

## 37MBRAQ

### Outdoor Unit Single Zone Ductless System Sizes 36 / 48 / 58K



## Product Data

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**NOTE:** Images are for illustration purposes only. Actual models may differ slightly.

## INDUSTRY LEADING FEATURES / BENEFITS

### A PERFECT BALANCE BETWEEN BUDGET LIMITS, ENERGY SAVINGS AND COMFORT

The 37MBRAQ series ductless system is a matched combination of an outdoor condensing unit and an indoor fan coil unit connected only by refrigerant tubing and wires.

The ductless system permits creative solutions for design problems such as:

- Add-ons to current space (an office or family room addition)
- Special space requirements
- When adding air conditioning to spaces that are heated by hydronic or electric heat and have no ductwork
- Historical renovations or any application where preserving the look of the original structure is essential.

Advanced system components incorporate innovative technology to provide reliable cooling and heating performance at low sound levels.

### Inverter Technology

The inverter driven compressor is designed to run at various input power frequencies (Hz) which controls the compressor's motor speed.

**Even Temperature** – The control package, including the inverter, monitors the outdoor and indoor temperatures as they relate to the selected indoor set point and adjusts the compressor speed to match the load and keep the system operating continuously rather than cycling and creating temperature swings. This translates to higher comfort levels for the occupants.

**Rapid Pull Down/Warm-Up** – Comfort is increased by the inverter system's ability to ramp up the compressor speed enabling the system to reach the user selected room temperature set point quicker.

**Humidity Control** – Running the system for longer periods and continuously varying the compressor speed enhances the humidity control.

### Individual Room Comfort

Maximum comfort is provided because each space can be controlled individually based on the usage pattern.

### Low Sound Levels

When noise is a concern, ductless systems are the answer. When sound ordinances and proximity to neighbors demand quiet operation, the 37MBRAQ unit is the right choice. With the inverter technology, these units run at lower speeds most of the time resulting in reduced sound levels.

### Inverter Technology – Enhanced Economical Operation

Ductless systems are inherently economical to operate. Individual rooms are heated or cooled only when required, and since the air is delivered directly to the space, there is no need to use additional energy to move the air in the ductwork. This economical operation is enhanced further when the inverter system output matches the load resulting in a more efficient system.

### Easy-To-Use Controls

The systems have microprocessor-based controls which provide the ultimate in comfort and efficiency. The user friendly wired and wireless remote controls provide the interface between the user and the unit.

### Secure Operation

If security is an issue, outdoor and indoor units are connected only by refrigerant piping and wiring to prevent intruders from crawling through ductwork or wall openings. In addition, since the 37MBRAQ can be installed close to an outside wall, coils are protected from vandals and severe weather.

### Fast Installation

This compact ductless system is simple to install. Only wires and piping need to run between the indoor and outdoor units. These units are fast and easy to install ensuring minimal disruption to customers in homes or the workplace. This makes the 37MBRAQ systems the equipment of choice for retrofit applications.

### Simple Servicing and Maintenance

Removing the top panel (36K) or side panel (48K) of the outdoor unit provides immediate access to the control compartment, providing the service technician access to the diagnostic components to facilitate the troubleshooting process. In addition, the draw-thru design of the outdoor unit means that dirt accumulates on the outside surface of the coil. Coils can be cleaned quickly from the inside using a pressure hose and detergent.

On the indoor units, service and maintenance expense is reduced due to readily accessible filters. Also, error codes are displayed to alert the user to certain system malfunctions.

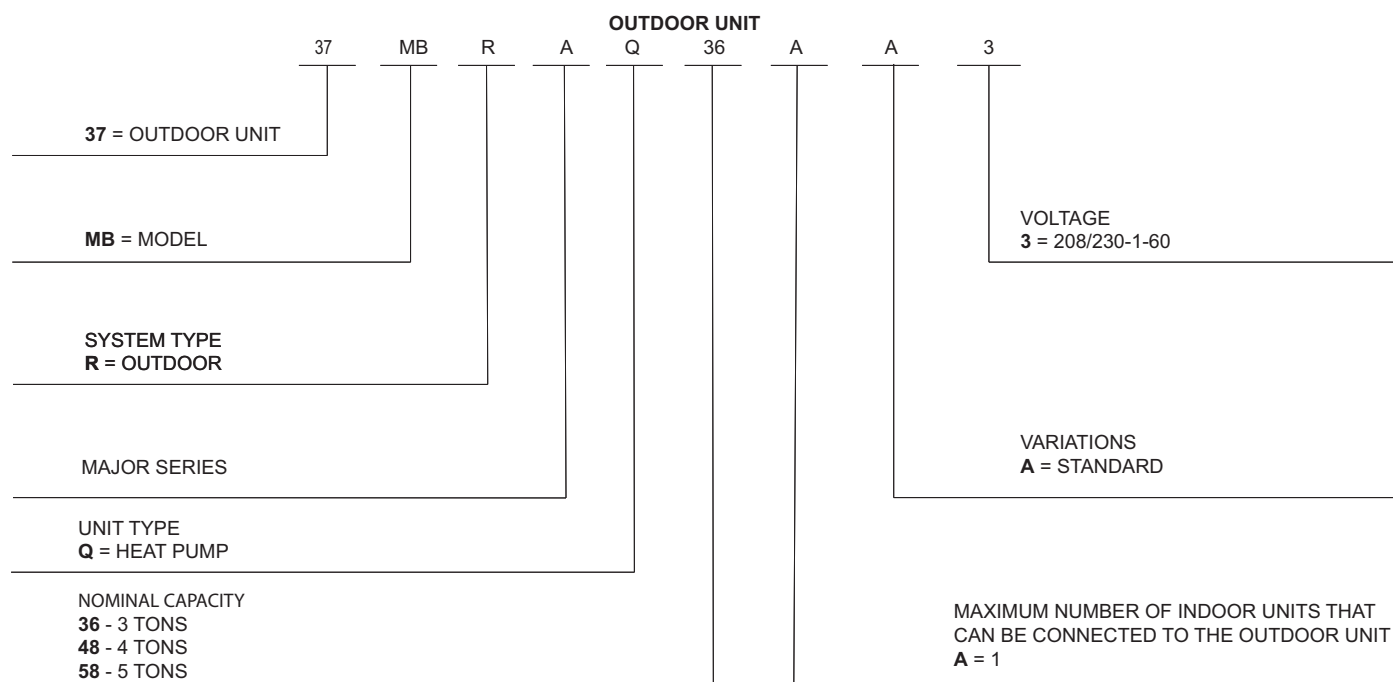
### Built-in Reliability

Ductless system indoor and outdoor units are designed to provide years of trouble-free operation. Both the indoor and outdoor units are well protected. Whenever the microprocessor detects abnormal conditions, the unit stops and an error code appears. Inverter systems provide additional reliability due to the soft start. This refers to the ability of the inverter to start the compressor motor using reduced voltage and reduced current. This feature is beneficial from an electrical standpoint (eliminates current spikes) as well as an overall reliability standpoint due to reduced stress on all associated system components.

### Agency Listings

All systems are listed with AHRI (Air conditioning, Heating, and Refrigeration Institute) and are CSA certified per UL1995 standard.

## MODEL NUMBER NOMENCLATURE



## STANDARD FEATURES AND ACCESSORIES

**Table 1 — Features**

| <b>Ease Of Installation</b>                           |   |
|-------------------------------------------------------|---|
| Low Voltage Controls                                  | S |
| <b>Comfort Features</b>                               |   |
| Microprocessor Control                                | S |
| Auto Restart Function                                 | S |
| Auto Changeover                                       | S |
| <b>Energy Saving Features</b>                         |   |
| Inverter Driven Compressor                            | S |
| 46° F Heating Mode (Heating Setback)                  | S |
| <b>Safety And Reliability</b>                         |   |
| 3 Minute Time Delay For Compressor                    | S |
| High Compressor Discharge Temperature                 | S |
| Over Current Protection for Compressor                | S |
| Low Voltage Protection                                | S |
| Compressor Overload Protection                        | S |
| Compressor Over Current Protection                    | S |
| IPM Module Protection                                 | S |
| Condenser High Temperature Protection in Cooling Mode |   |
| Aluminum Hydrophilic pre-coated fins                  | S |
| <b>Ease Of Service And Maintenance</b>                |   |
| Diagnostics                                           | S |
| Liquid Line Pressure Taps                             | S |
| <b>Application Flexibility</b>                        |   |
| Crankcase Heater                                      | S |
| Base pan Heater                                       | S |

**LEGEND**  
 S - Standard  
 A - Accessory

## ACCESSORIES

**Table 2 — Accessories**

| Outdoor Unit Size | Base Pan Base Rubber Plugs RCD Part No. | Quantity per Unit |
|-------------------|-----------------------------------------|-------------------|
| 36K               | 12600801A00117                          | 5                 |
| 48K               | 12600801A00118                          | 5                 |
| 58K               | 12600801A00118                          | 5                 |

**NOTE:** Base pan built in with multiple holes for proper draining during defrost. For applications where it is required to seal these holes, and redirect the condensate drain, rubber plugs are available through RCD.

### Outdoor Units

#### Crankcase Heater

The crankcase heater is standard on all unit sizes.

#### Base pan Heater

The base pan heater is standard on all unit sizes.

#### Long Line Piping Length

Piping flexibility up to a total piping length of 246ft. (65m).

DIMENSIONS

Table 3 – Dimensions

| UNIT SIZE                 | 36K           | 48K           | 58K         |
|---------------------------|---------------|---------------|-------------|
| Height in (mm)            | 31.84 (809)   | 52.5 (1333)   | 52.5 (1333) |
| Width in (mm)             | 37.26 (946)   | 37.5 (952)    | 37.5 (952)  |
| Depth in (mm)             | 16.02 (407)   | 16.3 (415)    | 16.3 (415)  |
| Operating Weight lbs (kg) | 162.48 (73.7) | 208.78 (94.7) | 209.44 (95) |

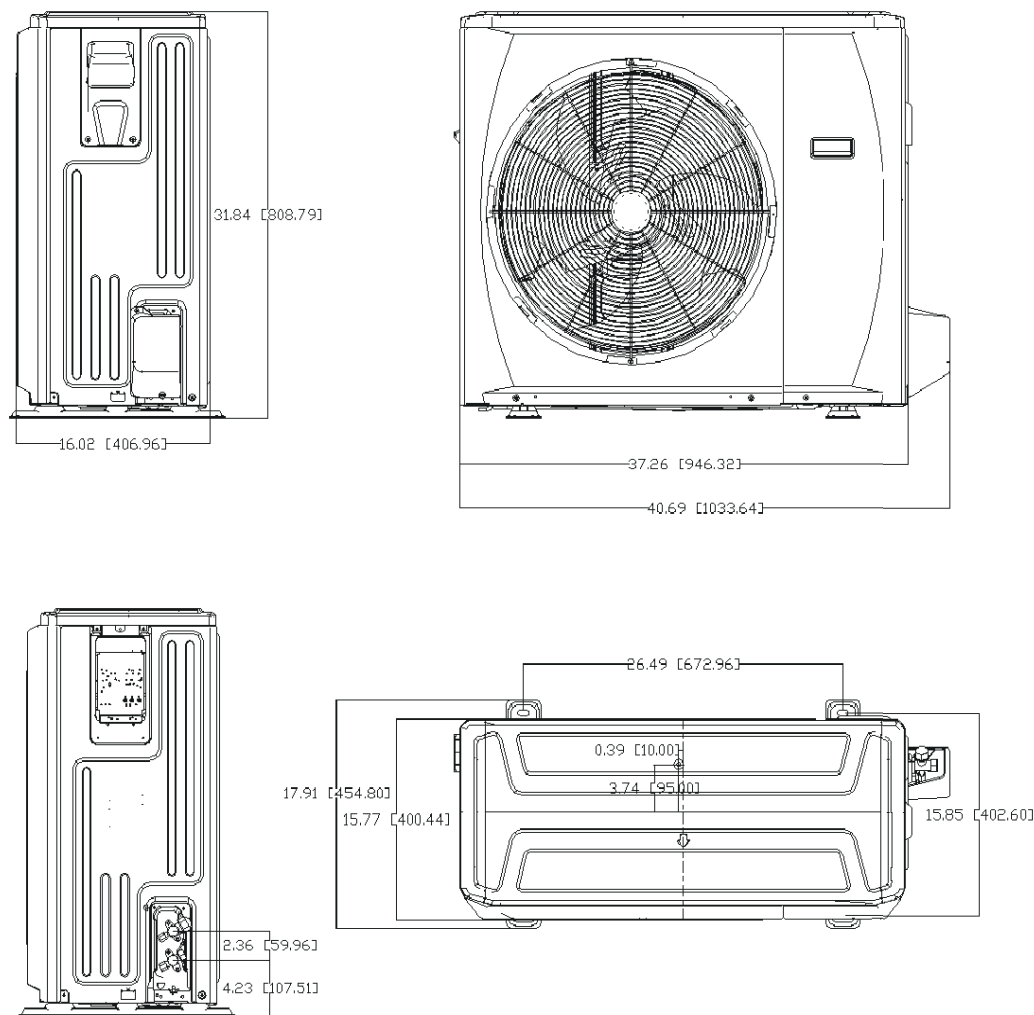


Fig. 3 – Outdoor Dimensions Size 36K, in. (mm)

DIMENSIONS (CONT)

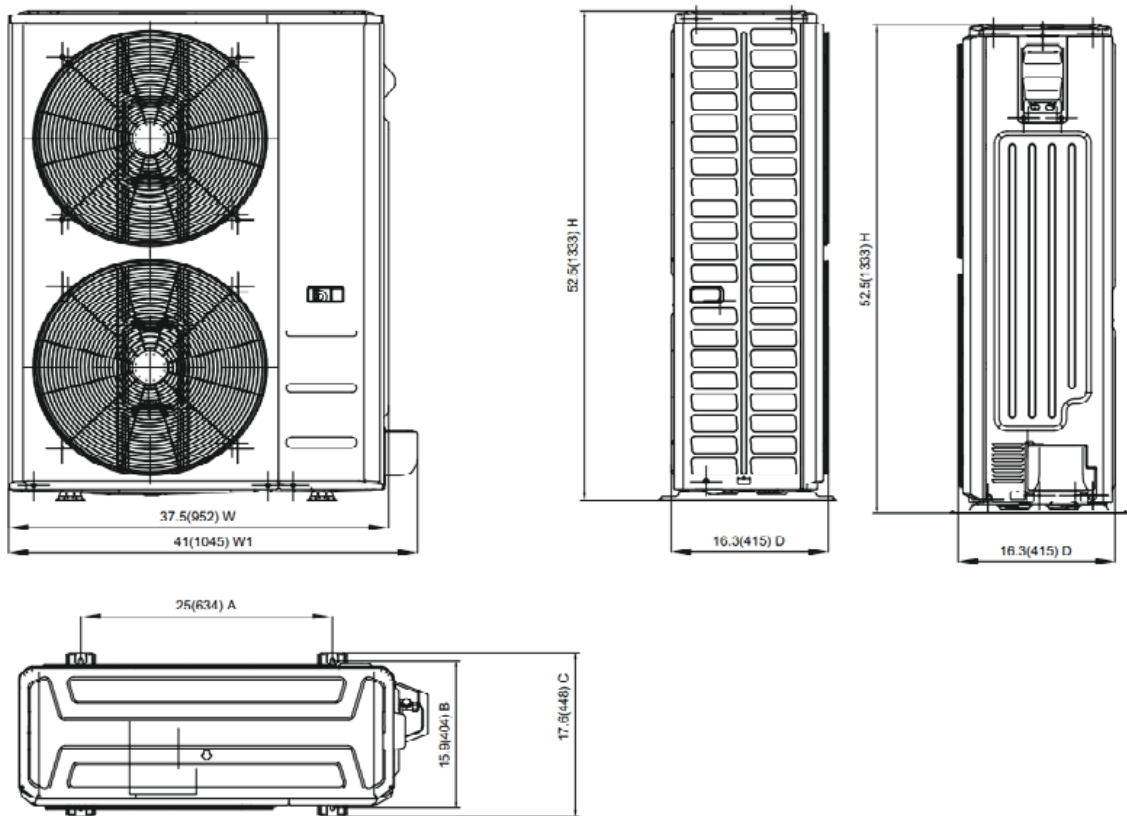


Fig. 4 – Outdoor Dimensions Size 48K and 58K, in. (mm)

CLEARANCES

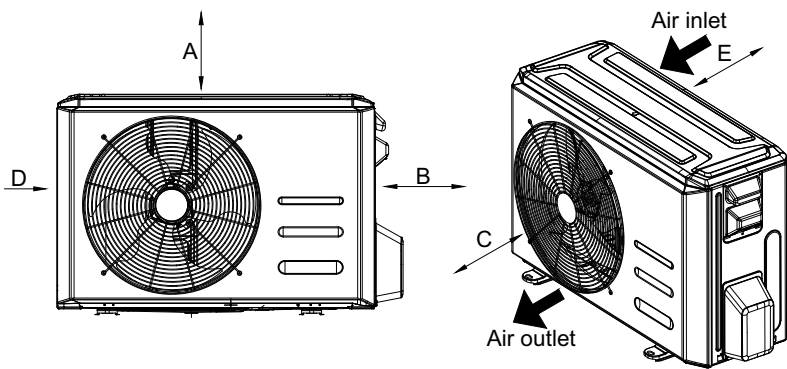


Fig. 5 – Clearances  
Table 4 — Clearances

| UNIT | MINIMUM VALUE in. (mm) |
|------|------------------------|
| A    | 20 (500)               |
| B    | 14 (350)               |
| C    | 20 (500)               |
| D    | 4 (101)                |
| E    | 4 (101)                |

**NOTE:** The outdoor unit must be mounted at least 2in (50mm) above the maximum anticipated snow depth.

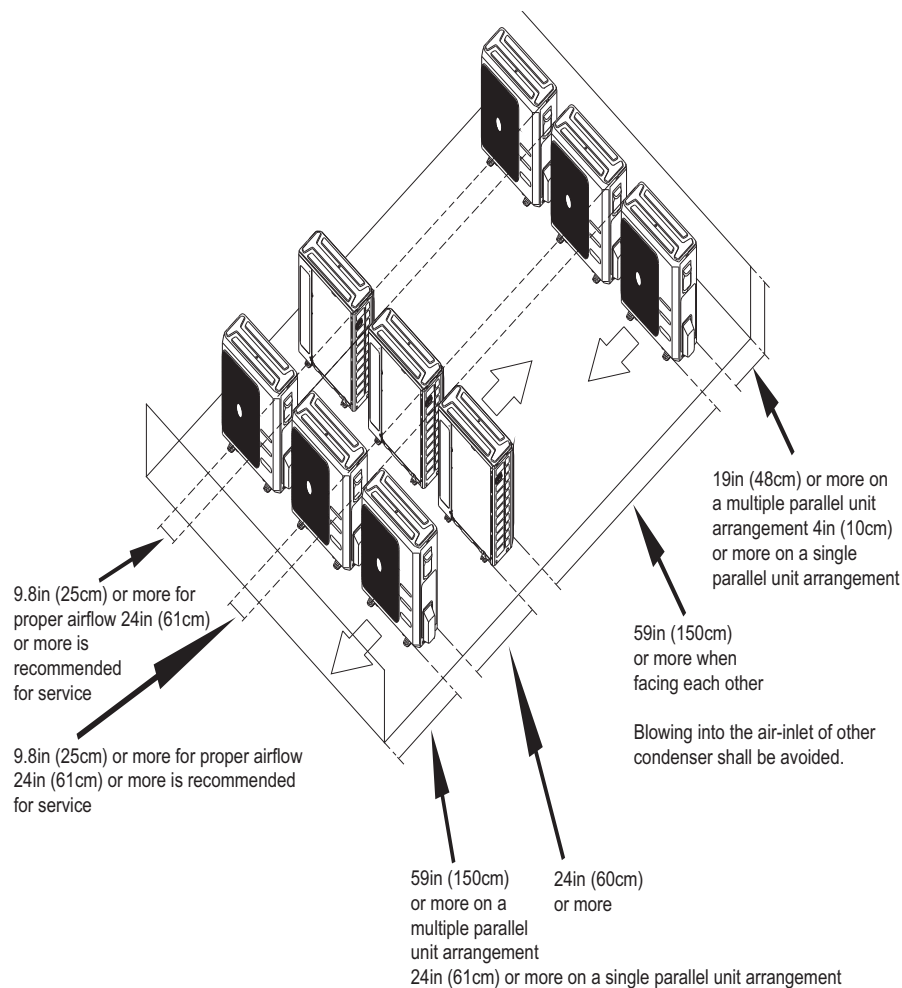


Fig. 6 – Clearances for multiple units

## SPECIFICATIONS

Table 5 – Comprehensive Specifications

| Outdoor model                     |                 |        | 37MBRAQ36AA3                 | 37MBRAQ48AA3                 | 37MBRAQ58AA3       |
|-----------------------------------|-----------------|--------|------------------------------|------------------------------|--------------------|
| Power supply: V;Ph;Hz             |                 |        | 208/230V;1Ph;60HZ            | 208/230V;1Ph;60HZ            | 208/230V;1Ph;60HZ  |
| COMPRESSOR SPECIFICATIONS         | Model           |        | KTF310D43UMT                 | KTQ420D1UMU                  | KTQ420D1UMU        |
|                                   | Type            |        | ROTARY                       | ROTARY                       | ROTARY             |
|                                   | Brand           |        | GMCC                         | GMCC                         | GMCC               |
|                                   | Capacity        | W      | 10010                        | 13700                        | 13700              |
|                                   |                 | Btu/h  | 34154                        | 46744                        | 46744              |
|                                   | Input           | W      | 2765                         | 3700                         | 3700               |
|                                   | Rated current   | A      | 5.4                          | 7.0                          | 7.0                |
|                                   | Refrigerant Oil |        | ESTER OIL                    | ESTER OIL                    | ESTER OIL          |
|                                   | Oil Type        |        | VG74                         | VG74                         | VG74               |
|                                   | Oil Charge      | fl. Oz | 33.82                        | 47.35                        | 47.35              |
| OUTDOOR SINGLE FAN SPECIFICATIONS | Material        | -      | Acrylonitrile Styrene +20%GF |                              |                    |
|                                   | Type            | -      | ZL-560*139*12-3KN            | ZL-554*148*12-3KFN           | ZL-554*148*12-3KFN |
|                                   | Diameter        | inch   | 22.0                         | 21.8                         | 21.8               |
|                                   |                 | mm     | 560                          | 554                          | 554                |
|                                   | Height          | inch   | 5.5                          | 5.8                          | 5.8                |
|                                   |                 | mm     | 139                          | 148                          | 148                |
| OUTDOOR DUAL FAN SPECIFICATIONS   | Material        | -      | N/A                          | Acrylonitrile Styrene +20%GF |                    |
|                                   | Type            | -      | N/A                          | ZL-554*148*12-3KFN           | ZL-554*148*12-3KFN |
|                                   | Diameter        | inch   | N/A                          | 21.8                         | 21.8               |
|                                   |                 | mm     | N/A                          | 554                          | 554                |
|                                   | Height          | inch   | N/A                          | 5.8                          | 5.8                |
|                                   |                 | mm     | N/A                          | 148                          | 148                |

Table 5 – Comprehensive Specifications (Continued)

| Outdoor model                                  |                                                     |                 | 37MBRAQ36AA3              | 37MBRAQ48AA3              | 37MBRAQ58AA3              |
|------------------------------------------------|-----------------------------------------------------|-----------------|---------------------------|---------------------------|---------------------------|
| OUTDOOR MOTOR SPECIFICATIONS                   | Model                                               | -               | ZKFN-120-10-1L            | ZKFN-85-10-1L             | ZKFN-85-8-22-5            |
|                                                | Type                                                | -               | DC                        | DC                        | DC                        |
|                                                | Input                                               | W               | 125                       | 126                       | 108                       |
|                                                | Max. input                                          | W               | 181                       | 167                       | 126                       |
|                                                | Output                                              | W               | 93.8                      | 94.5                      | 81                        |
|                                                | FLA (The rated current of the conversion equipment) | A               | 1.35                      | 1.2                       | 2.2                       |
|                                                | Rated HP                                            | HP              | 0.13                      | 0.13                      | 0.11                      |
|                                                | Range of current                                    | Amps            | 0.84~1.69                 | 0.77~1.44                 | 0.81~1.18                 |
|                                                | Rated current                                       | Amps            | 1.33                      | 1.19                      | 1.04                      |
|                                                | Speed                                               | rev/min         | 950 / 800 / 500           | 850 / 750 / 650           | 850 / 750 / 650           |
|                                                | Rated RPM                                           | rev/min         | 950                       | 850                       | 850                       |
|                                                | Insulation class                                    | -               | B                         | B                         | E                         |
|                                                | Safe class                                          | -               | IP44                      | IP44                      | IPX4                      |
| OUTDOOR MOTOR DUAL UNIT SPECIFICATIONS         | Model                                               | -               | N/A                       | ZKFN-85-10-1L             | ZKFN-85-8-22-5            |
|                                                | Type                                                | -               | N/A                       | DC                        | DC                        |
|                                                | Input                                               | W               | N/A                       | 126                       | 108                       |
|                                                | Max. input                                          | W               | N/A                       | 167                       | 126                       |
|                                                | Output                                              | W               | N/A                       | 94.5                      | 81                        |
|                                                | FLA (The rated current of the conversion equipment) | A               | N/A                       | 1.2                       | 2.2                       |
|                                                | Rated HP                                            | HP              | N/A                       | 0.13                      | 0.11                      |
|                                                | Range of current                                    | Amps            | N/A                       | 0.77~1.44                 | 0.81~1.18                 |
|                                                | Rated current                                       | Amps            | N/A                       | 1.19                      | 1.04                      |
|                                                | Speed                                               | rev/min         | N/A                       | 850 / 750 / 650           | 850 / 750 / 650           |
|                                                | Rated RPM                                           | rev/min         | N/A                       | 850                       | 850                       |
|                                                | Insulation class                                    | -               | N/A                       | B                         | E                         |
|                                                | Safe class                                          | -               | N/A                       | IP44                      | IPX4                      |
| OUTDOOR REFRIGERANT SINGLE COIL SPECIFICATIONS | Number of rows                                      | Rows            | 2                         | 2                         | 3                         |
|                                                | Tube outside dia.                                   | inch            | 0.276                     | 0.276                     | 0.276                     |
|                                                |                                                     | mm              | Φ7                        | Φ7                        | Φ7                        |
|                                                | Nominal Tube Wall                                   | mm              | 0.00945 (0.24)            | 0.00945 (0.24)            | 0.00945 (0.24)            |
|                                                | Tube Enhancement                                    | (Yes/No)        | Yes                       | Yes                       | Yes                       |
|                                                | Tube Material                                       |                 | Copper                    | Copper                    | Copper                    |
|                                                | Tube pitch (a) x row pitch (b)                      | inch            | 1 × 0.87                  | 0.83 × 0.87               | 0.83 × 0.53               |
|                                                |                                                     | mm              | 25.4 x 22                 | 21 x 22                   | 21 x 13.37                |
|                                                | Fin Spacing                                         | FPI             | 20                        | 22                        | 19                        |
|                                                |                                                     | mm              | 1.3                       | 1.2                       | 1.4                       |
|                                                | Fin type                                            |                 | Louvered                  | Louvered                  | Louvered                  |
|                                                | Fin Material                                        |                 | Gold hydrophilic aluminum | Gold hydrophilic aluminum | Gold hydrophilic aluminum |
|                                                | Coil length x height x width                        | inch            | 39.17 x 30 x 1.73         | 38.39 x 24.8 x 1.73       | 38.78 x 49.61 x 1.58      |
|                                                |                                                     | mm              | 995 x 76 2x 44            | 975 x 630 x 44            | 985 x 1260 x 40.11        |
|                                                | Face area                                           | ft <sup>2</sup> | 9.85                      | 6.61                      | 13.36                     |
| OUTDOOR REFRIGERANT DUAL COIL SPECIFICATIONS   | Number of rows                                      | Rows            | N/A                       | 2                         | 3                         |
|                                                | Tube outside dia.                                   | inch            | N/A                       | 0.276                     | 0.276                     |
|                                                |                                                     | mm              | N/A                       | Φ7                        | Φ7                        |
|                                                | Nominal Tube Wall                                   | mm              | N/A                       | 0.00945 (0.24)            | 0.00945 (0.24)            |
|                                                | Tube Enhancement                                    | (Yes/No)        | N/A                       | Yes                       | Yes                       |
|                                                | Tube Material                                       |                 | N/A                       | Copper                    | Copper                    |
|                                                | Tube pitch (a) x row pitch (b)                      | inch            | N/A                       | 0.83 × 0.87               | 0.83 × 0.53               |
|                                                |                                                     | mm              | N/A                       | 21 x 22                   | 21 x 13.37                |
|                                                | Fin Spacing                                         | FPI             | N/A                       | 22                        | 19                        |
|                                                |                                                     | mm              | N/A                       | 1.2                       | 1.4                       |
|                                                | Fin type                                            |                 | N/A                       | Louvered                  | Louvered                  |
|                                                | Fin Material                                        |                 | N/A                       | Gold hydrophilic aluminum | Gold hydrophilic aluminum |
|                                                | Coil length x height x width                        | inch            | N/A                       | 38.39 x 24.8 x 1.73       | 38.78 x 49.61 x 1.58      |
|                                                |                                                     | mm              | N/A                       | 975 x 630 x 44            | 985 x 1260 x 40.11        |
|                                                | Face area                                           | ft <sup>2</sup> | N/A                       | 6.61                      | 13.36                     |
|                                                | Number of circuits                                  | #               | N/A                       | 10                        | 14                        |
|                                                | High Burst Pressure                                 | Psi (MPa)       | N/A                       | 550 (3.79)                | 550 (3.79)                |
|                                                | Low Burst Pressure                                  | Psi (MPa)       | N/A                       | 340 (2.34)                | 340 (2.34)                |

Table 5 – Comprehensive Specifications (Continued)

| Outdoor model                      |                                                                     |                              | 37MBRAQ36AA3 | 37MBRAQ48AA3 | 37MBRAQ58AA3 |
|------------------------------------|---------------------------------------------------------------------|------------------------------|--------------|--------------|--------------|
| Piping and Refrigerant Information | Refrigerant Type                                                    | Type                         | R454B        | R454B        | R454B        |
|                                    | Charge Amount                                                       | lb. (kg)                     | 5.73 (2.6)   | 7.94 (3.6)   | 9.04 (4.1)   |
|                                    | Additional refrigerant charge, >25 ft.                              | Oz/ft (g/m)                  | 0.32 (30)    | 0.32 (30)    | 0.32 (30)    |
|                                    | Liquid Pipe (size - connection type)                                | In (mm)                      | 3/8" (9.52)  | 3/8" (9.52)  | 3/8" (9.52)  |
|                                    | Suction Pipe (size - connection type)                               | In (mm)                      | 3/4" (19)    | 3/4" (19)    | 3/4" (19)    |
|                                    | Min. Piping Length                                                  | ft. (m)                      | 10 (3)       | 10 (3)       | 10 (3)       |
|                                    | Standard Piping Length                                              | ft. (m)                      | 24.6 (7.5)   | 24.6 (7.5)   | 24.6 (7.5)   |
|                                    | Max. Piping Length with no additional refrigerant charge per System | ft. (m)                      | 24.6 (7.5)   | 24.6 (7.5)   | 24.6 (7.5)   |
|                                    | Total Maximum Piping Length per system                              | ft. (m)                      | 246 (75)     | 246 (75)     | 246 (75)     |
|                                    | Max. outdoor-indoor height difference (OU higher than IU)           | ft. (m)                      | 98.4 (30)    | 98.4 (30)    | 98.4 (30)    |
|                                    | Max. outdoor-indoor height difference (IU higher than OU)           | ft. (m)                      | 98.4 (30)    | 98.4 (30)    | 98.4 (30)    |
| AIRFLOW SPECIFICATIONS             |                                                                     | Outdoor (CFM)                | CFM          | 2414.6       | 4240.3       |
| SOUND DATA                         |                                                                     | Outdoor Sound Pressure Level | dB(A)        | 62.5         | 63.5         |
| ENVIRONMENTAL SPECIFICATIONS       | Cooling Operating Range                                             | Indoor Min - Max DB          | °F           | 60~90        | 60~90        |
|                                    |                                                                     |                              | (°C)         | (16~32)      | (16~32)      |
|                                    |                                                                     | Indoor Min - Max WB          | °F           | 59-84        | 59-84        |
|                                    |                                                                     |                              | (°C)         | (15-29)      | (15-29)      |
|                                    |                                                                     | Outdoor Min - Max DB         | °F           | -13~122      | -13~122      |
|                                    |                                                                     |                              | (°C)         | (-25~50)     | (-25~50)     |
|                                    | Heating Operating Range                                             | Indoor Min - Max DB          | °F           | 32~86        | 32~86        |
|                                    |                                                                     |                              | (°C)         | (0~30)       | (0~30)       |
|                                    |                                                                     | Outdoor Min - Max DB         | °F           | -13~75       | -13~75       |
|                                    |                                                                     |                              | (°C)         | (-25~24)     | (-25~24)     |
|                                    | Non-operating environment Storage                                   | Temperature range (DB)       | °F           | -49-140      | -49-140      |
|                                    |                                                                     |                              | (°C)         | (-45-60)     | (-45-60)     |
|                                    | Operation Humidity                                                  | %                            |              | 0-80 %       | 0-80 %       |
|                                    | Ambient Humidity                                                    | %                            |              | 0-80 %       | 0-80 %       |

## COOLING PERFORMANCE

For the following tables:

TC = Total Cooling Capacity (BTU/hr)

S/T = Sensible Cooling Capacity Ratio

PI = Power Input (kW)

Extrapolated Data

The highlighted data is tested; other data is simulated and for reference.

Table 6 – 36K Cooling — 37MBRA + 45MBAA

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
|                |                    | TC    | S/T              | PI               | TC               | S/T              | PI               | TC               | S/T              | PI               | TC               | S/T              | PI               | TC               | S/T              | PI               | TC               | S/T              | PI               | TC               | S/T              | PI               |
| 865            | -13°F<br>25°C      | TC    | 31573            | 31568            | 31564            | 31564            | 31558            | 33043            | 33034            | 33029            | 33028            | 33022            | 34084            | 34076            | 34068            | 34067            | 34059            | 36039            | 36030            | 36021            | 36020            | 36008            |
|                |                    | S/T   | 0.72             | 0.80             | 0.87             | 0.88             | 0.97             | 0.59             | 0.67             | 0.74             | 0.76             | 0.83             | 0.51             | 0.59             | 0.66             | 0.67             | 0.75             | 0.38             | 0.46             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             | 2.34             | 2.34             | 2.34             | 2.34             | 2.35             | 2.33             | 2.33             | 2.33             | 2.33             | 2.33             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             |
|                | -4°F<br>20°C       | TC    | 34002            | 33997            | 33992            | 33992            | 33986            | 35584            | 35575            | 35569            | 35568            | 35562            | 36706            | 36697            | 36689            | 36687            | 36679            | 38811            | 38801            | 38792            | 38791            | 38778            |
|                |                    | S/T   | 0.72             | 0.80             | 0.88             | 0.89             | 0.97             | 0.60             | 0.68             | 0.75             | 0.76             | 0.84             | 0.52             | 0.59             | 0.66             | 0.67             | 0.75             | 0.39             | 0.47             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.46             | 2.46             | 2.46             | 2.46             | 2.46             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.41             | 2.42             | 2.42             | 2.42             | 2.42             | 2.41             | 2.41             | 2.41             | 2.41             | 2.41             |
|                | 0°F<br>17.8°C      | TC    | 35108            | 35101            | 35096            | 35095            | 35085            | 36726            | 36719            | 36711            | 36709            | 36700            | 37872            | 37862            | 37853            | 37852            | 37840            | 40009            | 39999            | 39991            | 39989            | 39974            |
|                |                    | S/T   | 0.72             | 0.81             | 0.88             | 0.90             | 0.98             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.46             | 2.46             | 2.46             | 2.46             | 2.46             | 2.45             | 2.45             | 2.45             | 2.45             | 2.45             | 2.46             | 2.46             | 2.46             | 2.46             | 2.46             |
|                | 5°F<br>15°C        | TC    | 36209            | 36209            | 36209            | 36209            | 36751            | 38018            | 38011            | 38009            | 38010            | 38013            | 39317            | 39315            | 39309            | 39308            | 39312            | 41810            | 41799            | 41789            | 41787            | 41787            |
|                |                    | S/T   | 0.73             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.86             | 0.52             | 0.60             | 0.67             | 0.68             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.49             | 2.49             | 2.49             | 2.49             | 2.49             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             |
|                | 14°F<br>10°C       | TC    | 35069            | 35064            | 35060            | 35059            | 35230            | 36910            | 36900            | 36894            | 36894            | 36887            | 38225            | 38216            | 38206            | 38205            | 38197            | 40723            | 40711            | 40701            | 40699            | 40687            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 0.99             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.66             | 0.68             | 0.76             | 0.39             | 0.47             | 0.51             | 0.53             | 0.60             |
|                |                    | PI    | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.64             | 2.64             | 2.64             | 2.64             | 2.64             | 2.63             | 2.63             | 2.63             | 2.63             | 2.63             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             |
|                | 17°F<br>10°C       | TC    | 34717            | 34710            | 34705            | 34704            | 35204            | 36538            | 36529            | 36522            | 36520            | 36520            | 37845            | 37844            | 37838            | 37837            | 37843            | 40401            | 40389            | 40380            | 40378            | 40380            |
|                |                    | S/T   | 0.73             | 0.82             | 0.89             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.69             | 2.69             | 2.69             | 2.69             | 2.69             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.67             | 2.67             | 2.67             | 2.67             | 2.67             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             |
|                | 23°F<br>5°C        | TC    | 33639            | 33640            | 33640            | 33662            | 34277            | 35449            | 35442            | 35442            | 35443            | 35447            | 36752            | 36749            | 36744            | 36744            | 36747            | 39257            | 39246            | 39236            | 39235            | 39235            |
|                |                    | S/T   | 0.74             | 0.83             | 0.90             | 0.91             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.83             | 2.83             | 2.83             | 2.83             | 2.83             |
|                | 35°F<br>1.7°C      | TC    | 31756            | 31754            | 31752            | 31751            | 31795            | 33401            | 33398            | 33394            | 33393            | 33390            | 34564            | 34557            | 34555            | 34555            | 34549            | 36741            | 36732            | 36726            | 36724            | 36722            |
|                |                    | S/T   | 0.70             | 0.78             | 0.85             | 0.86             | 0.93             | 0.59             | 0.66             | 0.72             | 0.74             | 0.81             | 0.51             | 0.58             | 0.64             | 0.65             | 0.73             | 0.39             | 0.46             | 0.50             | 0.51             | 0.58             |
|                |                    | PI    | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 3.02             | 3.02             | 3.02             | 3.02             | 3.02             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             |
|                | 41°F<br>5°C        | TC    | 32234            | 32230            | 32228            | 32228            | 32303            | 33890            | 33887            | 33882            | 33882            | 33879            | 35061            | 35054            | 35051            | 35051            | 35045            | 37254            | 37246            | 37239            | 37238            | 37235            |
|                |                    | S/T   | 0.71             | 0.79             | 0.86             | 0.87             | 0.95             | 0.59             | 0.67             | 0.73             | 0.74             | 0.82             | 0.51             | 0.59             | 0.65             | 0.66             | 0.73             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             | 3.03             | 3.03             | 3.03             | 3.03             | 3.03             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             | 3.45             | 3.45             | 3.45             | 3.45             | 3.45             |
|                | 47°F<br>8.3°C      | TC    | 32706            | 32702            | 32701            | 32700            | 32814            | 34376            | 34372            | 34367            | 34367            | 34364            | 35558            | 35550            | 35547            | 35546            | 35541            | 37766            | 37757            | 37750            | 37749            | 37745            |
|                |                    | S/T   | 0.71             | 0.80             | 0.87             | 0.88             | 0.96             | 0.59             | 0.67             | 0.74             | 0.75             | 0.83             | 0.51             | 0.59             | 0.65             | 0.66             | 0.74             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.97             | 2.97             | 2.97             | 2.97             | 2.98             | 3.16             | 3.16             | 3.16             | 3.16             | 3.16             | 3.31             | 3.31             | 3.31             | 3.31             | 3.31             | 3.62             | 3.61             | 3.61             | 3.61             | 3.61             |
|                | 50°F<br>10°C       | TC    | 31669            | 31674            | 31966            | 32225            | 33422            | 33585            | 33592            | 33602            | 33603            | 33727            | 34975            | 34978            | 34994            | 34997            | 35010            | 37668            | 37654            | 37660            | 37657            | 37690            |
|                |                    | S/T   | 0.79             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 3.26             | 3.26             | 3.26             | 3.26             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             |
|                | 59°F<br>15°C       | TC    | 30020            | 30066            | 30658            | 30838            | 32043            | 31929            | 31936            | 31942            | 31943            | 32139            | 33327            | 33319            | 33332            | 33334            | 33343            | 36006            | 35991            | 35994            | 35992            | 36019            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 3.11             | 3.11             | 3.11             | 3.11             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             | 3.15             | 3.15             | 3.15             | 3.15             | 3.15             |
|                | 68°F<br>20°C       | TC    | 28403            | 28495            | 29300            | 29480            | 30685            | 30289            | 30294            | 30298            | 30299            | 30663            | 31665            | 31659            | 31670            | 31672            | 31678            | 34313            | 34298            | 34299            | 34298            | 34324            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.95             | 2.95             | 2.96             | 2.97             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.04             | 3.04             | 3.04             | 3.04             | 3.04             |
|                | 77°F<br>25°C       | TC    | 26754            | 26887            | 27810            | 27991            | 29196            | 28626            | 28636            | 28642            | 28670            | 29238            | 29995            | 29993            | 30009            | 30011            | 30047            | 32629            | 32614            | 32618            | 32618            | 32656            |
|                |                    | S/T   | 0.83             | 0.96             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.55             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 2.83             | 2.83             | 2.84             | 2.84             | 2.86             | 2.85             | 2.85             | 2.85             | 2.85             | 2.86             | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             | 2.90             | 2.90             | 2.90             | 2.90             | 2.89             |
|                | 82°F<br>27.8°C     | TC    | 26418            | 26589            | 27609            | 27792            | 29020            | 28315            | 28329            | 28352            | 28377            | 29062            | 29703            | 29705            | 29722            | 29724            | 29775            | 32376            | 32360            | 32366            | 32369            | 32412            |
|                |                    | S/T   | 0.84             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.88             | 0.90             | 1.00             | 0.56             | 0.67             | 0.77             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 2.91             | 2.91             | 2.92             | 2.92             | 2.94             | 2.93             | 2.93             | 2.93             | 2.93             | 2.94             | 2.95             | 2.95             | 2.94             | 2.94             | 2.95             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             |
|                | 86°F<br>30°C       | TC    | 26876            | 27110            | 28240            | 28431            | 29709            | 28840            | 28853            | 28893            | 28921            | 29752            | 30274            | 30278            | 30294            | 30296            | 30365            | 33039            | 33022            | 33028            | 33035            | 33076            |
|                |                    | S/T   | 0.85             | 0.98             | 1.00             | 1.00             | 1.00             | 0.67             | 0.80             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.15             | 3.16             | 3.17             | 3.18             | 3.19             | 3.18             | 3.18             | 3.18             | 3.18             | 3.19             | 3.20             | 3.20             | 3.20             | 3.20             | 3.20             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             |
|                | 95°F<br>35°C       | TC    | 28328            | 28327            | 28329            | 28361            | 29087            | 30225            | 30217            | 30215            | 30215            | 30221            | 31592            | 31589            | 31583            | 31582            | 31583            | 34236            | 34224            | 34214            | 34213            | 34213            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.87             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47</           |                  |                  |                  |

Table 6 – 36K Cooling — 37MBRA + 45MBAA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
|                |                    |       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 971            | -13°F<br>25°C      | TC    | 33740            | 33733            | 33726            | 33725            | 34417            | 35259            | 35249            | 35239            | 35238            | 35226            | 36336            | 36324            | 36311            | 36309            | 36293            | 38355            | 38346            | 38330            | 38329            | 38304            |
|                |                    | S/T   | 0.75             | 0.84             | 0.92             | 0.93             | 1.00             | 0.61             | 0.70             | 0.78             | 0.79             | 0.88             | 0.52             | 0.61             | 0.69             | 0.70             | 0.79             | 0.38             | 0.46             | 0.53             | 0.54             | 0.62             |
|                |                    | PI    | 2.44             | 2.45             | 2.45             | 2.45             | 2.43             | 2.42             | 2.42             | 2.42             | 2.42             | 2.42             | 2.41             | 2.41             | 2.42             | 2.42             | 2.42             | 2.42             | 2.42             | 2.42             | 2.42             | 2.42             |
|                | -4°F<br>20°C       | TC    | 36335            | 36328            | 36320            | 36319            | 37065            | 37971            | 37960            | 37950            | 37948            | 37936            | 39131            | 39118            | 39105            | 39102            | 39084            | 41306            | 41295            | 41279            | 41278            | 41251            |
|                |                    | S/T   | 0.75             | 0.84             | 0.92             | 0.94             | 1.00             | 0.61             | 0.71             | 0.78             | 0.79             | 0.88             | 0.53             | 0.61             | 0.69             | 0.70             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 2.53             | 2.53             | 2.53             | 2.53             | 2.52             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             |
|                | 0°F<br>17.8°C      | TC    | 37523            | 37513            | 37505            | 37503            | 38438            | 39197            | 39183            | 39168            | 39165            | 39149            | 40380            | 40363            | 40346            | 40342            | 40317            | 42578            | 42569            | 42564            | 42562            | 42567            |
|                |                    | S/T   | 0.75             | 0.85             | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 2.55             | 2.55             | 2.55             | 2.55             | 2.55             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.55             | 2.55             | 2.55             | 2.55             | 2.55             |
|                | 5°F<br>15°C        | TC    | 38664            | 38668            | 38789            | 38844            | 39980            | 40547            | 40545            | 40551            | 40552            | 40600            | 41897            | 41895            | 41898            | 41899            | 41907            | 44472            | 44460            | 44461            | 44459            | 44461            |
|                |                    | S/T   | 0.76             | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 2.58             | 2.58             | 2.58             | 2.58             | 2.58             | 2.58             | 2.58             | 2.58             | 2.58             | 2.58             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.63             | 2.63             | 2.63             | 2.63             | 2.63             |
|                | 14°F<br>10°C       | TC    | 37468            | 37459            | 37452            | 37451            | 38514            | 39381            | 39370            | 39359            | 39356            | 39344            | 40750            | 40736            | 40722            | 40719            | 40700            | 43351            | 43338            | 43321            | 43319            | 43291            |
|                |                    | S/T   | 0.75             | 0.85             | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 2.75             | 2.75             | 2.75             | 2.75             | 2.74             | 2.73             | 2.73             | 2.73             | 2.73             | 2.73             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             | 2.73             |
|                | 17°F<br>10°C       | TC    | 37067            | 37055            | 37152            | 37204            | 38319            | 38960            | 38946            | 38955            | 38957            | 38998            | 40324            | 40324            | 40330            | 40333            | 40345            | 42970            | 42957            | 42961            | 42959            | 42968            |
|                |                    | S/T   | 0.76             | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 2.78             | 2.78             | 2.78             | 2.78             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             |
|                | 23°F<br>5°C        | TC    | 35922            | 35925            | 36071            | 36136            | 37323            | 37807            | 37806            | 37812            | 37813            | 37874            | 39161            | 39160            | 39164            | 39165            | 39174            | 41755            | 41743            | 41745            | 41743            | 41749            |
|                |                    | S/T   | 0.77             | 0.87             | 0.95             | 0.97             | 1.00             | 0.62             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 2.86             | 2.86             | 2.86             | 2.86             | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             | 2.89             | 2.89             | 2.89             | 2.89             | 2.89             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             |
|                | 35°F<br>1.7°C      | TC    | 33966            | 33964            | 33964            | 33964            | 34401            | 35655            | 35648            | 35645            | 35645            | 35647            | 36840            | 36837            | 36831            | 36831            | 36829            | 39054            | 39045            | 39038            | 39036            | 39034            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 1.00             | 0.60             | 0.68             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 2.84             | 2.84             | 2.84             | 2.84             | 2.88             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             | 3.40             | 3.40             | 3.40             | 3.40             | 3.40             |
|                | 41°F<br>5°C        | TC    | 34385            | 34468            | 34468            | 34479            | 35046            | 36173            | 36166            | 36163            | 36164            | 36165            | 37369            | 37366            | 37360            | 37359            | 37358            | 39601            | 39592            | 39583            | 39582            | 39579            |
|                |                    | S/T   | 0.74             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.45             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.94             | 2.95             | 2.95             | 2.95             | 3.01             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.57             | 3.57             | 3.57             | 3.57             | 3.57             |
|                | 47°F<br>8.3°C      | TC    | 34973            | 34971            | 34970            | 35005            | 35694            | 36689            | 36682            | 36679            | 36679            | 36680            | 37898            | 37894            | 37888            | 37887            | 37887            | 40149            | 40140            | 40132            | 40131            | 40128            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.70             | 0.77             | 0.78             | 0.87             | 0.52             | 0.61             | 0.68             | 0.69             | 0.78             | 0.39             | 0.45             | 0.52             | 0.53             | 0.62             |
|                |                    | PI    | 3.07             | 3.07             | 3.07             | 3.08             | 3.16             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.43             | 3.43             | 3.43             | 3.43             | 3.43             | 3.74             | 3.74             | 3.74             | 3.74             | 3.74             |
|                | 50°F<br>10°C       | TC    | 33796            | 33939            | 34897            | 35095            | 36422            | 35801            | 35824            | 35833            | 35870            | 36467            | 37255            | 37276            | 37298            | 37301            | 37355            | 40030            | 40015            | 40061            | 40072            | 40126            |
|                |                    | S/T   | 0.83             | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             |
|                | 59°F<br>15°C       | TC    | 32038            | 32267            | 33407            | 33606            | 34942            | 34043            | 34059            | 34110            | 34141            | 34987            | 35492            | 35510            | 35527            | 35529            | 35616            | 38278            | 38262            | 38299            | 38308            | 38348            |
|                |                    | S/T   | 0.85             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.22             | 3.22             | 3.23             | 3.23             | 3.24             | 3.23             | 3.23             | 3.23             | 3.23             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             |
|                | 68°F<br>20°C       | TC    | 30312            | 30821            | 31941            | 32140            | 33474            | 32296            | 32308            | 32397            | 32436            | 33517            | 33727            | 33745            | 33756            | 33757            | 33889            | 36486            | 36470            | 36506            | 36513            | 36542            |
|                |                    | S/T   | 0.87             | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.91             | 0.93             | 1.00             | 0.57             | 0.69             | 0.79             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |
|                |                    | PI    | 3.06             | 3.06             | 3.08             | 3.08             | 3.10             | 3.09             | 3.09             | 3.09             | 3.09             | 3.10             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.15             | 3.15             | 3.15             | 3.15             | 3.14             |
|                | 77°F<br>25°C       | TC    | 28551            | 29217            | 30336            | 30536            | 31871            | 30525            | 30540            | 30657            | 30707            | 31912            | 31941            | 31969            | 31985            | 31987            | 32152            | 34682            | 34665            | 34720            | 34729            | 34769            |
|                |                    | S/T   | 0.88             | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.82             | 0.93             | 0.95             | 1.00             | 0.57             | 0.70             | 0.80             | 0.82             | 0.94             | 0.39             | 0.49             | 0.59             | 0.60             | 0.72             |
|                |                    | PI    | 2.93             | 2.94             | 2.95             | 2.95             | 2.97             | 2.95             | 2.95             | 2.95             | 2.95             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             |
|                | 82°F<br>27.8°C     | TC    | 28215            | 28982            | 30123            | 30325            | 31685            | 30193            | 30210            | 30355            | 30415            | 31728            | 31628            | 31662            | 31679            | 31681            | 31881            | 34406            | 34412            | 34456            | 34465            | 34510            |
|                |                    | S/T   | 0.88             | 1.00             | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.96             | 1.00             | 0.58             | 0.70             | 0.81             | 0.83             | 0.96             | 0.39             | 0.49             | 0.59             | 0.61             | 0.72             |
|                |                    | PI    | 3.01             | 3.02             | 3.03             | 3.04             | 3.05             | 3.04             | 3.03             | 3.04             | 3.04             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.08             | 3.08             | 3.08             | 3.08             | 3.08             |
|                | 86°F<br>30°C       | TC    | 28723            | 29629            | 30818            | 31027            | 32443            | 30756            | 30771            | 30955            | 31037            | 32486            | 32240            | 32274            | 32289            | 32291            | 32541            | 35113            | 35116            | 35167            | 35176            | 35217            |
|                |                    | S/T   | 0.90             | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.84             | 0.96             | 0.98             | 1.00             | 0.58             | 0.71             | 0.82             | 0.84             | 0.97             | 0.39             | 0.50             | 0.60             | 0.61             | 0.73             |
|                |                    | PI    | 3.27             | 3.28             | 3.30             | 3.30             | 3.32             | 3.30             | 3.30             | 3.30             | 3.30             | 3.32             | 3.32             | 3.32             | 3.32             | 3.32             | 3.32             | 3.36             | 3.36             | 3.35             | 3.35             | 3.35             |
|                | 95°F<br>35°C       | TC    | 30263            | 30269            | 30436            | 30514            | 31772            | 32241            | 32237            | 32246            | 32247            | 32305            | 33664            | 33663            | 33662            | 33664            | 33679            | 36408            | 36395            | 36384            | 36401            | 36391            |
|                |                    | S/T   | 0.77             | 0.87             | 0.96             | 0.98             | 1.00             | 0.63             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 3.71             | 3.71             | 3.72             | 3.73             | 3.80             | 3.83             | 3.83             | 3.83             | 3.83             | 3.83             | 3.91             | 3.91             | 3.91             | 3.91             | 3.91             | 4.08             | 4.08             | 4.08             |                  |                  |

Table 6 – 36K Cooling — 37MBRA + 45MBAA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
|                |                    |       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 1082           | -13°F<br>25°C      | TC    | 36039            | 36026            | 36016            | 36225            | 37292            | 37625            | 37605            | 37588            | 37585            | 37559            | 38748            | 38728            | 38702            | 38698            | 38671            | 40875            | 40864            | 40834            | 40824            | 40763            |
|                |                    | S/T   | 0.77             | 0.88             | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.81             | 0.83             | 0.93             | 0.54             | 0.63             | 0.71             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 2.55             | 2.55             | 2.55             | 2.55             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.52             | 2.52             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             |
|                | -4°F<br>20°C       | TC    | 38811            | 38797            | 38786            | 39012            | 40160            | 40520            | 40497            | 40479            | 40476            | 40448            | 41729            | 41707            | 41680            | 41675            | 41646            | 44019            | 44007            | 43975            | 43964            | 43898            |
|                |                    | S/T   | 0.78             | 0.88             | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |
|                |                    | PI    | 2.64             | 2.64             | 2.64             | 2.64             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.61             | 2.61             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             |
|                | 0°F<br>17.8°C      | TC    | 40092            | 40074            | 40229            | 40536            | 41658            | 41840            | 41808            | 41784            | 41780            | 41773            | 43067            | 43042            | 43003            | 42997            | 42958            | 45388            | 45374            | 45377            | 45382            | 45415            |
|                |                    | S/T   | 0.78             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.95             | 0.54             | 0.64             | 0.73             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 2.66             | 2.66             | 2.66             | 2.66             | 2.65             | 2.65             | 2.65             | 2.65             | 2.65             | 2.65             | 2.65             | 2.65             | 2.66             | 2.66             | 2.66             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             |
|                | 5°F<br>15°C        | TC    | 41271            | 41308            | 41865            | 42057            | 43343            | 43233            | 43242            | 43247            | 43248            | 43461            | 44648            | 44645            | 44657            | 44658            | 44663            | 47316            | 47302            | 47303            | 47306            | 47332            |
|                |                    | S/T   | 0.79             | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 2.68             | 2.68             | 2.68             | 2.68             | 2.69             | 2.69             | 2.69             | 2.69             | 2.69             | 2.69             | 2.71             | 2.71             | 2.71             | 2.71             | 2.71             | 2.76             | 2.76             | 2.76             | 2.76             | 2.76             |
|                | 14°F<br>10°C       | TC    | 39998            | 39983            | 40149            | 40500            | 41757            | 42006            | 41982            | 41962            | 41958            | 41936            | 43457            | 43437            | 43403            | 43398            | 43361            | 46190            | 46176            | 46143            | 46132            | 46061            |
|                |                    | S/T   | 0.78             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |
|                |                    | PI    | 2.87             | 2.87             | 2.87             | 2.86             | 2.86             | 2.85             | 2.85             | 2.85             | 2.85             | 2.86             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             |
|                | 17°F<br>10°C       | TC    | 39625            | 39635            | 40120            | 40352            | 41651            | 41614            | 41618            | 41627            | 41628            | 41825            | 42941            | 42958            | 42986            | 42988            | 42999            | 45798            | 45783            | 45788            | 45797            | 45839            |
|                |                    | S/T   | 0.79             | 0.89             | 1.00             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.85             | 0.95             | 0.55             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.89             | 2.89             | 2.90             | 2.90             | 2.90             | 2.89             | 2.89             | 2.90             | 2.90             | 2.90             | 2.92             | 2.92             | 2.92             | 2.92             | 2.92             |
|                | 23°F<br>5°C        | TC    | 38342            | 38395            | 39020            | 39211            | 40493            | 40310            | 40320            | 40325            | 40326            | 40565            | 41731            | 41730            | 41743            | 41744            | 41751            | 44421            | 44408            | 44410            | 44415            | 44446            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.97             | 0.54             | 0.65             | 0.74             | 0.75             | 0.85             | 0.39             | 0.47             | 0.56             | 0.57             | 0.66             |
|                |                    | PI    | 2.98             | 2.98             | 2.99             | 2.99             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.01             | 3.02             | 3.02             | 3.02             | 3.02             | 3.02             | 3.07             | 3.07             | 3.07             | 3.07             | 3.07             |
|                | 35°F<br>1.7°C      | TC    | 36299            | 36300            | 36370            | 36411            | 37347            | 38041            | 38036            | 38037            | 38038            | 38039            | 39263            | 39260            | 39256            | 39256            | 39261            | 41537            | 41528            | 41519            | 41525            | 41517            |
|                |                    | S/T   | 0.75             | 0.85             | 0.93             | 0.94             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 2.96             | 2.96             | 2.97             | 2.97             | 3.06             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             |
|                | 41°F<br>5°C        | TC    | 36834            | 36835            | 36937            | 36987            | 38036            | 38593            | 38588            | 38589            | 38590            | 38624            | 39827            | 39823            | 39820            | 39820            | 39825            | 42120            | 42110            | 42101            | 42106            | 42100            |
|                |                    | S/T   | 0.76             | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.64             |
|                |                    | PI    | 3.09             | 3.09             | 3.10             | 3.11             | 3.22             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.43             | 3.43             | 3.43             | 3.43             | 3.43             | 3.74             | 3.74             | 3.73             | 3.74             | 3.73             |
|                | 47°F<br>8.3°C      | TC    | 37366            | 37366            | 37510            | 37575            | 38731            | 39144            | 39139            | 39140            | 39140            | 39199            | 40391            | 40386            | 40383            | 40383            | 40386            | 42708            | 42698            | 42695            | 42693            | 42687            |
|                |                    | S/T   | 0.77             | 0.87             | 0.95             | 0.97             | 1.00             | 0.63             | 0.72             | 0.81             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.82             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 3.21             | 3.21             | 3.23             | 3.24             | 3.38             | 3.43             | 3.43             | 3.43             | 3.43             | 3.43             | 3.59             | 3.59             | 3.58             | 3.58             | 3.59             | 3.91             | 3.91             | 3.91             | 3.91             | 3.91             |
|                | 50°F<br>10°C       | TC    | 36058            | 36647            | 37871            | 38088            | 39547            | 38176            | 38199            | 38323            | 38372            | 39594            | 39680            | 39731            | 39754            | 39756            | 39936            | 42538            | 42559            | 42662            | 42674            | 42731            |
|                |                    | S/T   | 0.87             | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.92             | 0.94             | 1.00             | 0.57             | 0.69             | 0.80             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |
|                |                    | PI    | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.53             | 3.53             | 3.53             | 3.53             | 3.53             |
|                | 59°F<br>15°C       | TC    | 34215            | 35039            | 36272            | 36490            | 37959            | 36303            | 36319            | 36499            | 36570            | 38002            | 37810            | 37851            | 37866            | 37868            | 38118            | 40698            | 40709            | 40789            | 40798            | 40838            |
|                |                    | S/T   | 0.88             | 1.00             | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.97             | 1.00             | 0.58             | 0.71             | 0.81             | 0.83             | 0.96             | 0.39             | 0.50             | 0.59             | 0.61             | 0.73             |
|                |                    | PI    | 3.37             | 3.37             | 3.38             | 3.38             | 3.39             | 3.38             | 3.38             | 3.38             | 3.38             | 3.39             | 3.39             | 3.39             | 3.39             | 3.39             | 3.39             | 3.41             | 3.41             | 3.41             | 3.41             | 3.41             |
|                | 68°F<br>20°C       | TC    | 32414            | 33460            | 34691            | 34910            | 36378            | 34440            | 34451            | 34720            | 34947            | 36418            | 35939            | 35969            | 35979            | 35980            | 36389            | 38807            | 38819            | 38881            | 38889            | 38916            |
|                |                    | S/T   | 0.91             | 1.00             | 1.00             | 1.00             | 1.00             | 0.72             | 0.85             | 0.97             | 1.00             | 1.00             | 0.59             | 0.72             | 0.84             | 0.86             | 0.99             | 0.40             | 0.50             | 0.61             | 0.62             | 0.75             |
|                |                    | PI    | 3.20             | 3.21             | 3.23             | 3.23             | 3.25             | 3.23             | 3.23             | 3.23             | 3.23             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.29             | 3.29             | 3.29             | 3.29             | 3.29             |
|                | 77°F<br>25°C       | TC    | 30563            | 31734            | 32965            | 33183            | 34650            | 32550            | 32566            | 32940            | 33222            | 34691            | 34036            | 34075            | 34091            | 34130            | 34722            | 36863            | 36896            | 36979            | 36988            | 37028            |
|                |                    | S/T   | 0.92             | 1.00             | 1.00             | 1.00             | 1.00             | 0.72             | 0.87             | 0.99             | 1.00             | 1.00             | 0.59             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                    | PI    | 3.06             | 3.08             | 3.09             | 3.09             | 3.11             | 3.09             | 3.09             | 3.09             | 3.09             | 3.11             | 3.11             | 3.10             | 3.10             | 3.10             | 3.11             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             |
|                | 82°F<br>27.8°C     | TC    | 30203            | 31484            | 32738            | 32962            | 34461            | 32197            | 32249            | 32778            | 33001            | 34499            | 33703            | 33748            | 33765            | 33818            | 34531            | 36557            | 36604            | 36695            | 36705            | 36749            |
|                |                    | S/T   | 0.94             | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.87             | 1.00             | 1.00             | 1.00             | 0.60             | 0.74             | 0.86             | 0.87             | 1.00             | 0.40             | 0.51             | 0.62             | 0.63             | 0.76             |
|                |                    | PI    | 3.15             | 3.16             | 3.18             | 3.18             | 3.20             | 3.17             | 3.17             | 3.18             | 3.18             | 3.20             | 3.19             | 3.19             | 3.19             | 3.19             | 3.20             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             |
|                | 86°F<br>30°C       | TC    | 30729            | 32152            | 33457            | 33687            | 35257            | 32758            | 32826            | 33497            | 33728            | 35285            | 34321            | 34361            | 34415            | 34447            | 35318            | 37271            | 37325            | 37412            | 37422            | 37460            |
|                |                    | S/T   | 0.95             | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.88             | 1.00             | 1.00             | 1.00             | 0.60             | 0.75             | 0.86             | 0.88             | 1.00             | 0.40             | 0.51             | 0.62             | 0.64             | 0.77             |
|                |                    | PI    | 3.42             | 3.44             | 3.45             | 3.46             | 3.48             | 3.45             | 3.45             | 3.46             | 3.46             | 3.48             | 3.47             | 3.47             | 3.47             | 3.47             | 3.48             | 3.51             | 3.51             | 3.51             | 3.51             | 3.51             |
|                | 95°F<br>35°C       | TC    | 32307            | 32364            | 33059            | 33254            | 34558            | 34373            | 34381            | 34393            | 34395            | 34628            | 35857            | 35861            | 35879            | 35882            | 35898            | 38709            | 38695            | 38699            | 38697            | 38726            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 3.88             | 3.89             | 3.93             | 3.94             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 6 – 36K Cooling — 37MBRA + 45MBAA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB  | 60.8°F (16.0°C) |        |        |        |        | 64.4°F (16.0°C) |        |        |        |        | 67.0°F (19.4°C) |        |        |        |        | 71.6°F (22.0°C) |        |        |        |        |
|----------------|--------------------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|
|                |                    |        | ID DB           | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F |
|                |                    | 23.0°C |                 | 25.0°C | 26.7°C | 27.0°C | 29.0°C | 23.0°C          | 25.0°C | 26.7°C | 27.0°C | 29.0°C | 23.0°C          | 25.0°C | 26.7°C | 27.0°C | 29.0°C | 23.0°C          | 25.0°C | 26.7°C | 27.0°C | 29.0°C |
| 1188           | -13°F<br>25°C      | TC     | 38474           | 38456  | 39005  | 39167  | 40245  | 40142           | 40109  | 40083  | 40080  | 40047  | 41342           | 41290  | 41251  | 41245  | 41206  | 43608           | 43596  | 43507  | 43490  | 43398  |
|                |                    | S/T    | 0.80            | 0.91   | 1.00   | 1.00   | 1.00   | 0.65            | 0.75   | 0.85   | 0.86   | 0.97   | 0.55            | 0.65   | 0.74   | 0.76   | 0.86   | 0.39            | 0.47   | 0.56   | 0.57   | 0.67   |
|                |                    | PI     | 2.68            | 2.68   | 2.68   | 2.68   | 2.67   | 2.67            | 2.67   | 2.67   | 2.67   | 2.67   | 2.66            | 2.66   | 2.67   | 2.67   | 2.67   | 2.68            | 2.68   | 2.68   | 2.68   | 2.68   |
|                | -4°F<br>20°C       | TC     | 41433           | 41415  | 42005  | 42179  | 43340  | 43230           | 43194  | 43167  | 43163  | 43127  | 44522           | 44466  | 44424  | 44418  | 44376  | 46962           | 46950  | 46853  | 46836  | 46737  |
|                |                    | S/T    | 0.80            | 0.92   | 1.00   | 1.00   | 1.00   | 0.65            | 0.76   | 0.85   | 0.87   | 0.98   | 0.55            | 0.65   | 0.74   | 0.76   | 0.86   | 0.39            | 0.48   | 0.56   | 0.57   | 0.67   |
|                |                    | PI     | 2.78            | 2.78   | 2.77   | 2.77   | 2.76   | 2.76            | 2.76   | 2.76   | 2.76   | 2.77   | 2.76            | 2.76   | 2.76   | 2.76   | 2.76   | 2.78            | 2.78   | 2.78   | 2.78   | 2.78   |
|                | 0°F<br>17.8°C      | TC     | 42809           | 42783  | 43577  | 43759  | 44961  | 44645           | 44595  | 44561  | 44555  | 45004  | 45957           | 45892  | 45835  | 45828  | 45806  | 48428           | 48417  | 48413  | 48420  | 48451  |
|                |                    | S/T    | 0.81            | 0.93   | 1.00   | 1.00   | 1.00   | 0.66            | 0.77   | 0.86   | 0.88   | 1.00   | 0.55            | 0.66   | 0.75   | 0.77   | 0.87   | 0.39            | 0.48   | 0.57   | 0.58   | 0.68   |
|                |                    | PI     | 2.80            | 2.80   | 2.80   | 2.80   | 2.80   | 2.80            | 2.80   | 2.80   | 2.80   | 2.80   | 2.80            | 2.80   | 2.80   | 2.80   | 2.80   | 2.83            | 2.83   | 2.83   | 2.83   | 2.84   |
|                | 5°F<br>15°C        | TC     | 44036           | 44188  | 45197  | 45406  | 46805  | 46101           | 46113  | 46116  | 46163  | 46851  | 47575           | 47588  | 47597  | 47599  | 47662  | 50366           | 50351  | 50377  | 50383  | 50405  |
|                |                    | S/T    | 0.82            | 0.94   | 1.00   | 1.00   | 1.00   | 0.66            | 0.78   | 0.87   | 0.88   | 1.00   | 0.56            | 0.67   | 0.76   | 0.78   | 0.88   | 0.39            | 0.48   | 0.57   | 0.59   | 0.69   |
|                |                    | PI     | 2.82            | 2.82   | 2.83   | 2.83   | 2.84   | 2.84            | 2.84   | 2.84   | 2.84   | 2.85   | 2.85            | 2.86   | 2.86   | 2.86   | 2.86   | 2.92            | 2.92   | 2.92   | 2.92   | 2.92   |
|                | 14°F<br>10°C       | TC     | 42710           | 42689  | 43560  | 43765  | 45122  | 44831           | 44791  | 44761  | 44756  | 45175  | 46367           | 46309  | 46262  | 46254  | 46208  | 49303           | 49287  | 49193  | 49176  | 49071  |
|                |                    | S/T    | 0.81            | 0.93   | 1.00   | 1.00   | 1.00   | 0.65            | 0.76   | 0.86   | 0.87   | 1.00   | 0.55            | 0.66   | 0.75   | 0.76   | 0.87   | 0.39            | 0.48   | 0.56   | 0.57   | 0.67   |
|                |                    | PI     | 3.02            | 3.02   | 3.01   | 3.01   | 3.01   | 3.01            | 3.01   | 3.01   | 3.01   | 3.01   | 3.00            | 3.00   | 3.01   | 3.01   | 3.01   | 3.02            | 3.02   | 3.02   | 3.02   | 3.02   |
|                | 17°F<br>10°C       | TC     | 42171           | 42308  | 43286  | 43497  | 44910  | 44270           | 44288  | 44296  | 44334  | 44958  | 45781           | 45798  | 45816  | 45818  | 45875  | 48689           | 48676  | 48668  | 48677  | 48718  |
|                |                    | S/T    | 0.82            | 0.93   | 1.00   | 1.00   | 1.00   | 0.66            | 0.77   | 0.87   | 0.88   | 1.00   | 0.55            | 0.66   | 0.76   | 0.77   | 0.87   | 0.39            | 0.48   | 0.57   | 0.58   | 0.68   |
|                |                    | PI     | 3.05            | 3.05   | 3.05   | 3.05   | 3.05   | 3.05            | 3.05   | 3.05   | 3.05   | 3.05   | 3.05            | 3.06   | 3.06   | 3.06   | 3.06   | 3.08            | 3.08   | 3.08   | 3.08   | 3.08   |
|                | 23°F<br>5°C        | TC     | 40910           | 41086  | 42149  | 42357  | 43753  | 42982           | 42995  | 43000  | 43056  | 43800  | 44465           | 44480  | 44491  | 44493  | 44564  | 47279           | 47265  | 47298  | 47305  | 47332  |
|                |                    | S/T    | 0.83            | 0.95   | 1.00   | 1.00   | 1.00   | 0.66            | 0.78   | 0.88   | 0.89   | 1.00   | 0.56            | 0.67   | 0.76   | 0.78   | 0.89   | 0.39            | 0.48   | 0.57   | 0.59   | 0.69   |
|                |                    | PI     | 3.14            | 3.15   | 3.16   | 3.16   | 3.18   | 3.17            | 3.17   | 3.17   | 3.17   | 3.18   | 3.19            | 3.19   | 3.19   | 3.19   | 3.19   | 3.25            | 3.25   | 3.25   | 3.25   | 3.25   |
|                | 35°F<br>1.7°C      | TC     | 38760           | 38762  | 38989  | 39098  | 40359  | 40572           | 40570  | 40574  | 40574  | 40682  | 41842           | 41839  | 41841  | 41842  | 41847  | 44198           | 44188  | 44185  | 44184  | 44187  |
|                |                    | S/T    | 0.78            | 0.88   | 0.97   | 0.99   | 1.00   | 0.63            | 0.73   | 0.82   | 0.83   | 0.93   | 0.54            | 0.63   | 0.72   | 0.73   | 0.83   | 0.39            | 0.46   | 0.54   | 0.56   | 0.65   |
|                |                    | PI     | 3.12            | 3.12   | 3.14   | 3.16   | 3.29   | 3.31            | 3.31   | 3.31   | 3.31   | 3.32   | 3.45            | 3.45   | 3.45   | 3.45   | 3.45   | 3.76            | 3.75   | 3.75   | 3.75   | 3.75   |
|                | 41°F<br>5°C        | TC     | 39329           | 39330  | 39643  | 39918  | 41098  | 41158           | 41157  | 41159  | 41160  | 41304  | 42442           | 42439  | 42442  | 42443  | 42445  | 44824           | 44813  | 44810  | 44808  | 44813  |
|                |                    | S/T    | 0.78            | 0.89   | 0.98   | 1.00   | 1.00   | 0.64            | 0.74   | 0.83   | 0.84   | 0.94   | 0.54            | 0.64   | 0.72   | 0.74   | 0.84   | 0.39            | 0.47   | 0.55   | 0.56   | 0.66   |
|                |                    | PI     | 3.25            | 3.25   | 3.29   | 3.32   | 3.45   | 3.46            | 3.46   | 3.46   | 3.46   | 3.48   | 3.62            | 3.62   | 3.62   | 3.62   | 3.62   | 3.94            | 3.94   | 3.94   | 3.94   | 3.94   |
|                | 47°F<br>8.3°C      | TC     | 39897           | 39923  | 40459  | 40640  | 41842  | 41747           | 41745  | 41746  | 41746  | 41939  | 43043           | 43039  | 43042  | 43042  | 43042  | 45453           | 45442  | 45438  | 45436  | 45440  |
|                |                    | S/T    | 0.79            | 0.90   | 1.00   | 1.00   | 1.00   | 0.64            | 0.75   | 0.84   | 0.85   | 0.96   | 0.54            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.57   | 0.67   |
|                |                    | PI     | 3.39            | 3.40   | 3.46   | 3.48   | 3.63   | 3.62            | 3.62   | 3.62   | 3.62   | 3.64   | 3.78            | 3.78   | 3.78   | 3.78   | 3.78   | 4.13            | 4.12   | 4.12   | 4.12   | 4.12   |
|                | 50°F<br>10°C       | TC     | 38531           | 39592  | 40928  | 41165  | 42761  | 40707           | 40729  | 41010  | 41140  | 42802  | 42294           | 42350  | 42372  | 42374  | 42782  | 45210           | 45329  | 45446  | 45459  | 45516  |
|                |                    | S/T    | 0.90            | 1.00   | 1.00   | 1.00   | 1.00   | 0.71            | 0.85   | 0.96   | 0.99   | 1.00   | 0.59            | 0.72   | 0.83   | 0.85   | 0.99   | 0.40            | 0.50   | 0.60   | 0.62   | 0.74   |
|                |                    | PI     | 3.74            | 3.74   | 3.74   | 3.74   | 3.73   | 3.74            | 3.74   | 3.74   | 3.74   | 3.73   | 3.73            | 3.73   | 3.73   | 3.73   | 3.73   | 3.73            | 3.73   | 3.73   | 3.73   | 3.73   |
|                | 59°F<br>15°C       | TC     | 36585           | 37868  | 39212  | 39451  | 41056  | 38708           | 38761  | 39201  | 39493  | 41097  | 40305           | 40346  | 40360  | 40419  | 41131  | 43280           | 43366  | 43453  | 43462  | 43499  |
|                |                    | S/T    | 0.92            | 1.00   | 1.00   | 1.00   | 1.00   | 0.73            | 0.86   | 1.00   | 1.00   | 1.00   | 0.60            | 0.73   | 0.85   | 0.86   | 1.00   | 0.40            | 0.51   | 0.61   | 0.63   | 0.76   |
|                |                    | PI     | 3.55            | 3.56   | 3.57   | 3.57   | 3.58   | 3.57            | 3.57   | 3.57   | 3.57   | 3.58   | 3.58            | 3.58   | 3.58   | 3.58   | 3.58   | 3.61            | 3.60   | 3.60   | 3.60   | 3.60   |
|                | 68°F<br>20°C       | TC     | 34634           | 36112  | 37451  | 37689  | 39289  | 36665           | 36748  | 37492  | 37730  | 39328  | 38250           | 38279  | 38348  | 38382  | 39360  | 41215           | 41291  | 41356  | 41363  | 41384  |
|                |                    | S/T    | 0.95            | 1.00   | 1.00   | 1.00   | 1.00   | 0.74            | 0.89   | 1.00   | 1.00   | 1.00   | 0.61            | 0.75   | 0.87   | 0.89   | 1.00   | 0.40            | 0.51   | 0.63   | 0.65   | 0.78   |
|                |                    | PI     | 3.38            | 3.40   | 3.42   | 3.42   | 3.44   | 3.41            | 3.41   | 3.42   | 3.42   | 3.44   | 3.43            | 3.43   | 3.43   | 3.43   | 3.44   | 3.48            | 3.48   | 3.47   | 3.47   | 3.47   |
|                | 77°F<br>25°C       | TC     | 32670           | 34243  | 35583  | 35820  | 37421  | 34634           | 34744  | 35622  | 35860  | 37458  | 36203           | 36244  | 36336  | 36377  | 37490  | 39101           | 39219  | 39310  | 39320  | 39356  |
|                |                    | S/T    | 0.97            | 1.00   | 1.00   | 1.00   | 1.00   | 0.75            | 0.90   | 1.00   | 1.00   | 1.00   | 0.61            | 0.76   | 0.88   | 0.90   | 1.00   | 0.40            | 0.52   | 0.63   | 0.65   | 0.79   |
|                |                    | PI     | 3.23            | 3.25   | 3.27   | 3.27   | 3.29   | 3.26            | 3.26   | 3.27   | 3.27   | 3.29   | 3.28            | 3.28   | 3.28   | 3.28   | 3.29   | 3.32            | 3.31   | 3.31   | 3.31   | 3.31   |
|                | 82°F<br>27.8°C     | TC     | 32310           | 33960  | 35329  | 35569  | 37198  | 34239           | 34371  | 35360  | 35609  | 37237  | 35831           | 35877  | 35988  | 36033  | 37269  | 38741           | 38887  | 38988  | 38999  | 39041  |
|                |                    | S/T    | 0.99            | 1.00   | 1.00   | 1.00   | 1.00   | 0.76            | 0.91   | 1.00   | 1.00   | 1.00   | 0.62            | 0.77   | 0.89   | 0.92   | 1.00   | 0.40            | 0.52   | 0.64   | 0.66   | 0.80   |
|                |                    | PI     | 3.33            | 3.35   | 3.36   | 3.36   | 3.38   | 3.35            | 3.35   | 3.36   | 3.36   | 3.38   | 3.37            | 3.37   | 3.37   | 3.37   | 3.38   | 3.41            | 3.40   | 3.40   | 3.40   | 3.40   |
|                | 86°F<br>30°C       | TC     | 33050           | 34700  | 36119  | 36371  | 38065  | 34854           | 35014  | 36159  | 36412  | 38104  | 36506           | 36548  | 36682  | 36735  | 38137  | 39522           | 39674  | 39768  | 39778  | 39815  |
|                |                    | S/T    | 1.00            | 1.00   | 1.00   | 1.00   | 1.00   | 0.77            | 0.93   | 1.00   | 1.00   | 1.00   | 0.62            | 0.78   | 0.91   | 0.93   | 1.00   | 0.40            | 0.52   | 0.64   | 0.66   | 0.81   |
|                |                    | PI     | 3.61            | 3.63   | 3.65   | 3.66   | 3.67   | 3.64            | 3.64   | 3.65   | 3.66   | 3.68   | 3.66            | 3.66   | 3.66   | 3.66   | 3.68   | 3.71            | 3.70   | 3.70   | 3.70   | 3.70   |
|                | 95°F<br>35°C       | TC     | 34473           | 34659  | 35780  | 35992  | 37414  | 36638           | 36659  | 36671  | 36714  | 37461  | 38210           | 38218  | 38242  | 38245  | 38309  | 41173           | 41158  | 41166  | 41178  | 41233  |
|                |                    | S/T    | 0.83            | 0.95   | 1.00   | 1.00   | 1.00   | 0.66            | 0.78   | 0.88   | 0.89   | 1.00   | 0.56            | 0.67   | 0.76   | 0.78   | 0.88   | 0.39            | 0.48   | 0.57   | 0.58   | 0.68   |
|                |                    | PI     | 4.10            | 4.11   | 4.17   | 4.18   | 4.27   | 4.22            | 4.22   | 4.22   | 4.23   | 4.27   | 4.32            | 4.32   | 4.32   | 4.32   | 4.33   | 4.50            | 4.50   | 4.50   | 4.50   | 4.50   |
|                |                    |        |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |

Table 7 – 48K Cooling — 37MBRA + 45MBAA

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
|                |                    |       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 1094           | -13°F<br>25°C      | TC    | 40705            | 40699            | 40693            | 40693            | 40685            | 42599            | 42588            | 42581            | 42580            | 42572            | 43942            | 43931            | 43921            | 43919            | 43910            | 46462            | 46450            | 46439            | 46437            | 46422            |
|                |                    | S/T   | 0.72             | 0.80             | 0.87             | 0.88             | 0.97             | 0.59             | 0.67             | 0.74             | 0.76             | 0.83             | 0.51             | 0.59             | 0.66             | 0.67             | 0.75             | 0.38             | 0.46             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.83             | 2.83             | 2.83             | 2.83             | 2.83             | 2.80             | 2.80             | 2.80             | 2.80             | 2.80             | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             |
|                | -4°F<br>20°C       | TC    | 43836            | 43829            | 43824            | 43823            | 43815            | 45876            | 45864            | 45857            | 45855            | 45847            | 47323            | 47311            | 47300            | 47298            | 47287            | 50036            | 50023            | 50012            | 50009            | 49993            |
|                |                    | S/T   | 0.72             | 0.80             | 0.88             | 0.89             | 0.97             | 0.60             | 0.68             | 0.75             | 0.76             | 0.84             | 0.52             | 0.59             | 0.66             | 0.67             | 0.75             | 0.39             | 0.47             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             |
|                | 0°F<br>17.8°C      | TC    | 45262            | 45253            | 45246            | 45245            | 45232            | 47348            | 47339            | 47328            | 47327            | 47314            | 48826            | 48812            | 48801            | 48799            | 48784            | 51580            | 51567            | 51557            | 51555            | 51535            |
|                |                    | S/T   | 0.72             | 0.81             | 0.88             | 0.90             | 0.98             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 2.95             | 2.95             | 2.95             | 2.95             | 2.96             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             |
|                | 5°F<br>15°C        | TC    | 46681            | 46681            | 46682            | 46682            | 47379            | 49013            | 49004            | 49002            | 49003            | 49008            | 50689            | 50686            | 50678            | 50677            | 50681            | 53902            | 53888            | 53875            | 53873            | 53873            |
|                |                    | S/T   | 0.73             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.86             | 0.52             | 0.60             | 0.67             | 0.68             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.99             | 2.99             | 2.99             | 2.99             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 3.02             | 3.02             | 3.02             | 3.02             | 3.02             |
|                | 14°F<br>10°C       | TC    | 52326            | 52319            | 52312            | 52311            | 52566            | 55073            | 55059            | 55050            | 55049            | 55039            | 57035            | 57022            | 57007            | 57006            | 56993            | 60763            | 60745            | 60731            | 60728            | 60708            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 0.99             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.66             | 0.68             | 0.76             | 0.39             | 0.47             | 0.51             | 0.53             | 0.60             |
|                |                    | PI    | 3.62             | 3.62             | 3.62             | 3.62             | 3.62             | 3.59             | 3.59             | 3.59             | 3.59             | 3.59             | 3.58             | 3.58             | 3.58             | 3.58             | 3.58             | 3.57             | 3.57             | 3.57             | 3.57             | 3.57             |
|                | 17°F<br>10°C       | TC    | 54240            | 54229            | 54221            | 54219            | 55001            | 57085            | 57071            | 57060            | 57058            | 57058            | 59127            | 59126            | 59117            | 59115            | 59125            | 63120            | 63103            | 63088            | 63085            | 63088            |
|                |                    | S/T   | 0.73             | 0.82             | 0.89             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 3.80             | 3.80             | 3.80             | 3.80             | 3.79             | 3.78             | 3.78             | 3.78             | 3.78             | 3.78             | 3.78             | 3.78             | 3.78             | 3.78             | 3.78             | 3.79             | 3.79             | 3.78             | 3.79             | 3.79             |
|                | 23°F<br>5°C        | TC    | 51212            | 51214            | 51214            | 51247            | 52183            | 53968            | 53958            | 53957            | 53958            | 53964            | 55952            | 55948            | 55939            | 55938            | 55944            | 59765            | 59748            | 59734            | 59731            | 59732            |
|                |                    | S/T   | 0.74             | 0.83             | 0.90             | 0.91             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 3.58             | 3.58             | 3.58             | 3.58             | 3.58             | 3.59             | 3.59             | 3.59             | 3.59             | 3.59             | 3.60             | 3.60             | 3.60             | 3.60             | 3.60             | 3.65             | 3.65             | 3.65             | 3.65             | 3.65             |
|                | 35°F<br>1.7°C      | TC    | 45567            | 45563            | 45560            | 45560            | 45623            | 47927            | 47923            | 47917            | 47916            | 47912            | 49596            | 49586            | 49584            | 49583            | 49575            | 52720            | 52708            | 52698            | 52696            | 52693            |
|                |                    | S/T   | 0.70             | 0.78             | 0.85             | 0.86             | 0.93             | 0.59             | 0.66             | 0.72             | 0.74             | 0.81             | 0.51             | 0.58             | 0.64             | 0.65             | 0.73             | 0.39             | 0.46             | 0.50             | 0.51             | 0.58             |
|                |                    | PI    | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.53             | 3.53             | 3.53             | 3.53             | 3.53             |
|                | 41°F<br>5°C        | TC    | 47812            | 47806            | 47804            | 47803            | 47915            | 50269            | 50264            | 50257            | 50256            | 50252            | 52005            | 51995            | 51991            | 51990            | 51981            | 55258            | 55247            | 55236            | 55234            | 55230            |
|                |                    | S/T   | 0.71             | 0.79             | 0.86             | 0.87             | 0.95             | 0.59             | 0.67             | 0.73             | 0.74             | 0.82             | 0.51             | 0.59             | 0.65             | 0.66             | 0.73             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 3.16             | 3.16             | 3.16             | 3.16             | 3.17             | 3.36             | 3.36             | 3.36             | 3.36             | 3.36             | 3.51             | 3.50             | 3.50             | 3.50             | 3.50             | 3.82             | 3.82             | 3.82             | 3.82             | 3.82             |
|                | 47°F<br>8.3°C      | TC    | 50051            | 50044            | 50042            | 50041            | 50215            | 52605            | 52600            | 52592            | 52592            | 52588            | 54414            | 54402            | 54398            | 54397            | 54389            | 57793            | 57780            | 57769            | 57767            | 57761            |
|                |                    | S/T   | 0.71             | 0.80             | 0.87             | 0.88             | 0.96             | 0.59             | 0.67             | 0.74             | 0.75             | 0.83             | 0.51             | 0.59             | 0.65             | 0.66             | 0.74             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 3.37             | 3.37             | 3.37             | 3.37             | 3.39             | 3.59             | 3.59             | 3.59             | 3.59             | 3.59             | 3.76             | 3.76             | 3.76             | 3.76             | 3.76             | 4.11             | 4.10             | 4.10             | 4.10             | 4.10             |
|                | 50°F<br>10°C       | TC    | 48478            | 48486            | 48932            | 49329            | 51161            | 51411            | 51422            | 51436            | 51439            | 51628            | 53538            | 53543            | 53567            | 53571            | 53592            | 57661            | 57640            | 57648            | 57644            | 57695            |
|                |                    | S/T   | 0.79             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             |
|                | 59°F<br>15°C       | TC    | 45998            | 46069            | 46975            | 47250            | 49097            | 48923            | 48933            | 48943            | 48944            | 49244            | 51064            | 51052            | 51072            | 51075            | 51090            | 55169            | 55147            | 55151            | 55149            | 55189            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 3.77             | 3.77             | 3.77             | 3.78             | 3.79             | 3.79             | 3.79             | 3.79             | 3.79             | 3.79             | 3.80             | 3.80             | 3.80             | 3.80             | 3.80             | 3.82             | 3.82             | 3.82             | 3.82             | 3.82             |
|                | 68°F<br>20°C       | TC    | 43566            | 43708            | 44942            | 45218            | 47067            | 46459            | 46467            | 46473            | 46474            | 47032            | 48569            | 48560            | 48578            | 48580            | 48589            | 52631            | 52608            | 52610            | 52608            | 52649            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 3.77             | 3.77             | 3.79             | 3.79             | 3.81             | 3.81             | 3.81             | 3.81             | 3.81             | 3.81             | 3.83             | 3.83             | 3.83             | 3.83             | 3.83             | 3.88             | 3.88             | 3.88             | 3.88             | 3.88             |
|                | 77°F<br>25°C       | TC    | 41086            | 41289            | 42706            | 42985            | 44835            | 43960            | 43976            | 43985            | 44027            | 44899            | 46062            | 46059            | 46083            | 46087            | 46142            | 50107            | 50084            | 50090            | 50091            | 50149            |
|                |                    | S/T   | 0.83             | 0.96             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.55             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 3.81             | 3.81             | 3.83             | 3.83             | 3.85             | 3.84             | 3.84             | 3.84             | 3.84             | 3.85             | 3.86             | 3.86             | 3.86             | 3.86             | 3.86             | 3.90             | 3.90             | 3.90             | 3.90             | 3.90             |
|                | 82°F<br>27.8°C     | TC    | 40456            | 40716            | 42278            | 42558            | 44439            | 43359            | 43381            | 43417            | 43455            | 44503            | 45485            | 45488            | 45514            | 45517            | 45595            | 49578            | 49554            | 49563            | 49567            | 49634            |
|                |                    | S/T   | 0.84             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.88             | 0.90             | 1.00             | 0.56             | 0.67             | 0.77             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 4.02             | 4.02             | 4.04             | 4.04             | 4.06             | 4.05             | 4.05             | 4.05             | 4.05             | 4.06             | 4.07             | 4.07             | 4.07             | 4.07             | 4.07             | 4.11             | 4.11             | 4.11             | 4.11             | 4.11             |
|                | 86°F<br>30°C       | TC    | 40887            | 41244            | 42963            | 43253            | 45198            | 43876            | 43896            | 43956            | 43999            | 45263            | 46058            | 46064            | 46088            | 46091            | 46196            | 50264            | 50239            | 50248            | 50259            | 50321            |
|                |                    | S/T   | 0.85             | 0.98             | 1.00             | 1.00             | 1.00             | 0.67             | 0.80             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 4.42             | 4.43             | 4.45             | 4.45             | 4.48             | 4.46             | 4.46             | 4.46             | 4.46             | 4.48             | 4.49             | 4.49             | 4.49             | 4.49             | 4.49             | 4.54             | 4.54             | 4.54             | 4.54             | 4.54             |
|                | 95°F<br>35°C       | TC    | 42498            | 42496            | 42500            | 42548            | 43637            | 45343            | 45332            | 45329            | 45330            | 45339            | 47395            | 47391            | 47381            | 47380            | 47382            | 51361            | 51343            | 51329            | 51327            | 51327            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.87             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 5.15             | 5.15.            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 7 – 48K Cooling — 37MBRA + 45MBAA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    |       |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 1282           | -13°F<br>25°C      | TC    | 43109           | 43100            | 43091            | 43090            | 43974            | 45050            | 45037            | 45025            | 45023            | 45008            | 46425            | 46410            | 46394            | 46391            | 46370            | 49006            | 48993            | 48974            | 48972            | 48940            |
|                |                    | S/T   | 0.75            | 0.84             | 0.92             | 0.93             | 1.00             | 0.61             | 0.70             | 0.78             | 0.79             | 0.88             | 0.52             | 0.61             | 0.69             | 0.70             | 0.79             | 0.38             | 0.46             | 0.53             | 0.54             | 0.62             |
|                |                    | PI    | 2.89            | 2.89             | 2.89             | 2.89             | 2.88             | 2.86             | 2.87             | 2.87             | 2.87             | 2.87             | 2.85             | 2.85             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             |
|                | -4°F<br>20°C       | TC    | 46425           | 46415            | 46406            | 46405            | 47357            | 48515            | 48501            | 48488            | 48486            | 48470            | 49996            | 49980            | 49963            | 49959            | 49937            | 52776            | 52762            | 52741            | 52739            | 52705            |
|                |                    | S/T   | 0.75            | 0.84             | 0.92             | 0.94             | 1.00             | 0.61             | 0.71             | 0.78             | 0.79             | 0.88             | 0.53             | 0.61             | 0.69             | 0.70             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 2.99            | 2.99             | 3.00             | 3.00             | 2.98             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             |
|                | 0°F<br>17.8°C      | TC    | 47943           | 47929            | 47919            | 47917            | 49111            | 50081            | 50063            | 50044            | 50040            | 50019            | 51592            | 51572            | 51549            | 51545            | 51513            | 54401            | 54390            | 54384            | 54380            | 54387            |
|                |                    | S/T   | 0.75            | 0.85             | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 3.02            | 3.02             | 3.02             | 3.02             | 3.01             | 3.00             | 3.00             | 3.00             | 3.00             | 3.01             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.02             | 3.02             | 3.02             | 3.02             | 3.02             |
|                | 5°F<br>15°C        | TC    | 49401           | 49405            | 49560            | 49630            | 51081            | 51806            | 51804            | 51811            | 51812            | 51874            | 53531            | 53528            | 53532            | 53534            | 53544            | 56821            | 56806            | 56806            | 56804            | 56807            |
|                |                    | S/T   | 0.76            | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 3.05            | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.06             | 3.06             | 3.06             | 3.06             | 3.06             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             |
|                | 14°F<br>10°C       | TC    | 55405           | 55393            | 55382            | 55380            | 56953            | 58235            | 58218            | 58202            | 58198            | 58180            | 60259            | 60238            | 60217            | 60213            | 60185            | 64104            | 64086            | 64060            | 64058            | 64016            |
|                |                    | S/T   | 0.75            | 0.85             | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 3.70            | 3.70             | 3.70             | 3.70             | 3.69             | 3.68             | 3.68             | 3.68             | 3.68             | 3.68             | 3.67             | 3.67             | 3.67             | 3.67             | 3.67             | 3.67             | 3.67             | 3.67             | 3.67             | 3.67             |
|                | 17°F<br>10°C       | TC    | 57393           | 57375            | 57525            | 57605            | 59331            | 60324            | 60303            | 60317            | 60319            | 60383            | 62437            | 62436            | 62446            | 62450            | 62469            | 66533            | 66513            | 66520            | 66516            | 66531            |
|                |                    | S/T   | 0.76            | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 3.89            | 3.89             | 3.89             | 3.89             | 3.88             | 3.88             | 3.88             | 3.88             | 3.88             | 3.88             | 3.88             | 3.88             | 3.88             | 3.88             | 3.88             | 3.90             | 3.89             | 3.90             | 3.90             | 3.90             |
|                | 23°F<br>5°C        | TC    | 54198           | 54203            | 54424            | 54520            | 56311            | 57042            | 57041            | 57050            | 57052            | 57143            | 59085            | 59083            | 59089            | 59092            | 59105            | 63000            | 62980            | 62983            | 62980            | 62990            |
|                |                    | S/T   | 0.77            | 0.87             | 0.95             | 0.97             | 1.00             | 0.62             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 3.66            | 3.66             | 3.66             | 3.66             | 3.67             | 3.68             | 3.68             | 3.68             | 3.68             | 3.68             | 3.70             | 3.70             | 3.70             | 3.70             | 3.70             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             |
|                | 35°F<br>1.7°C      | TC    | 48302           | 48299            | 48299            | 48299            | 48921            | 50703            | 50694            | 50690            | 50690            | 50692            | 52389            | 52385            | 52376            | 52375            | 52373            | 55538            | 55525            | 55514            | 55512            | 55510            |
|                |                    | S/T   | 0.73            | 0.81             | 0.89             | 0.90             | 1.00             | 0.60             | 0.68             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 3.02            | 3.02             | 3.02             | 3.02             | 3.07             | 3.20             | 3.20             | 3.20             | 3.20             | 3.20             | 3.34             | 3.34             | 3.33             | 3.33             | 3.33             | 3.62             | 3.62             | 3.62             | 3.62             | 3.62             |
|                | 41°F<br>5°C        | TC    | 50546           | 50668            | 50668            | 50684            | 51518            | 53174            | 53164            | 53159            | 53161            | 53162            | 54932            | 54928            | 54919            | 54918            | 54916            | 58213            | 58200            | 58188            | 58185            | 58181            |
|                |                    | S/T   | 0.74            | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.45             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 3.23            | 3.24             | 3.24             | 3.24             | 3.31             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.60             | 3.60             | 3.60             | 3.60             | 3.60             | 3.92             | 3.92             | 3.92             | 3.92             | 3.92             |
|                | 47°F<br>8.3°C      | TC    | 53039           | 53037            | 53036            | 53089            | 54134            | 55642            | 55632            | 55628            | 55628            | 55629            | 57476            | 57470            | 57461            | 57460            | 57459            | 60890            | 60876            | 60864            | 60862            | 60858            |
|                |                    | S/T   | 0.74            | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.70             | 0.77             | 0.78             | 0.87             | 0.52             | 0.61             | 0.68             | 0.69             | 0.78             | 0.39             | 0.45             | 0.52             | 0.53             | 0.62             |
|                |                    | PI    | 3.46            | 3.46             | 3.46             | 3.46             | 3.55             | 3.70             | 3.70             | 3.70             | 3.70             | 3.70             | 3.86             | 3.86             | 3.86             | 3.86             | 3.86             | 4.21             | 4.21             | 4.21             | 4.21             | 4.21             |
|                | 50°F<br>10°C       | TC    | 51270           | 51487            | 52941            | 53241            | 55254            | 54313            | 54346            | 54361            | 54417            | 55323            | 56518            | 56550            | 56583            | 56587            | 56670            | 60727            | 60705            | 60775            | 60792            | 60874            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 3.87            | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.86             | 3.86             | 3.86             | 3.86             | 3.86             |
|                | 59°F<br>15°C       | TC    | 48650           | 48997            | 50729            | 51032            | 53060            | 51694            | 51719            | 51796            | 51844            | 53128            | 53895            | 53922            | 53948            | 53951            | 54083            | 58126            | 58101            | 58158            | 58171            | 58232            |
|                |                    | S/T   | 0.85            | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.87            | 3.87             | 3.88             | 3.88             | 3.90             | 3.89             | 3.89             | 3.89             | 3.89             | 3.90             | 3.90             | 3.90             | 3.90             | 3.90             | 3.90             | 3.93             | 3.93             | 3.92             | 3.92             | 3.92             |
|                | 68°F<br>20°C       | TC    | 46077           | 46851            | 48554            | 48857            | 50885            | 49093            | 49112            | 49247            | 49307            | 50951            | 51269            | 51297            | 51313            | 51315            | 51515            | 55463            | 55439            | 55493            | 55504            | 55549            |
|                |                    | S/T   | 0.87            | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.91             | 0.93             | 1.00             | 0.57             | 0.69             | 0.79             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |
|                |                    | PI    | 3.87            | 3.88             | 3.90             | 3.90             | 3.93             | 3.91             | 3.91             | 3.91             | 3.91             | 3.93             | 3.93             | 3.93             | 3.93             | 3.93             | 3.93             | 3.98             | 3.98             | 3.98             | 3.98             | 3.98             |
|                | 77°F<br>25°C       | TC    | 43452           | 44466            | 46170            | 46473            | 48505            | 46457            | 46479            | 46658            | 46733            | 48567            | 48612            | 48654            | 48678            | 48681            | 48933            | 52782            | 52757            | 52841            | 52854            | 52915            |
|                |                    | S/T   | 0.88            | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.82             | 0.93             | 0.95             | 1.00             | 0.57             | 0.70             | 0.80             | 0.82             | 0.94             | 0.39             | 0.49             | 0.59             | 0.60             | 0.72             |
|                |                    | PI    | 3.91            | 3.92             | 3.94             | 3.94             | 3.96             | 3.94             | 3.94             | 3.94             | 3.94             | 3.96             | 3.97             | 3.97             | 3.96             | 3.96             | 3.97             | 4.01             | 4.01             | 4.01             | 4.01             | 4.00             |
|                | 82°F<br>27.8°C     | TC    | 42820           | 43984            | 45715            | 46023            | 48086            | 45822            | 45847            | 46068            | 46158            | 48151            | 48000            | 48052            | 48077            | 48080            | 48383            | 52216            | 52225            | 52291            | 52305            | 52373            |
|                |                    | S/T   | 0.88            | 1.00             | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.96             | 1.00             | 0.58             | 0.70             | 0.81             | 0.83             | 0.96             | 0.39             | 0.49             | 0.59             | 0.61             | 0.72             |
|                |                    | PI    | 4.13            | 4.14             | 4.16             | 4.16             | 4.18             | 4.16             | 4.16             | 4.16             | 4.16             | 4.18             | 4.18             | 4.18             | 4.18             | 4.18             | 4.18             | 4.23             | 4.22             | 4.22             | 4.22             | 4.22             |
|                | 86°F<br>30°C       | TC    | 43307           | 44673            | 46465            | 46781            | 48915            | 46372            | 46395            | 46672            | 46796            | 48980            | 48609            | 48660            | 48684            | 48687            | 49064            | 52942            | 52945            | 53023            | 53037            | 53098            |
|                |                    | S/T   | 0.90            | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.84             | 0.96             | 0.98             | 1.00             | 0.58             | 0.71             | 0.82             | 0.84             | 0.97             | 0.39             | 0.50             | 0.60             | 0.61             | 0.73             |
|                |                    | PI    | 4.54            | 4.56             | 4.58             | 4.58             | 4.61             | 4.58             | 4.58             | 4.58             | 4.58             | 4.61             | 4.61             | 4.61             | 4.61             | 4.61             | 4.61             | 4.66             | 4.66             | 4.66             | 4.66             | 4.66             |
|                | 95°F<br>35°C       | TC    | 44995           | 45004            | 45251            | 45368            | 47238            | 47936            | 47930            | 47943            | 47945            | 48030            | 50052            | 50050            | 50049            | 50051            | 50074            | 54131            | 54112            | 54096            | 54121            | 54106            |
|                |                    | S/T   | 0.77            | 0.87             | 0.96             | 0.98             | 1.00             | 0.63             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 5.28            | 5.28             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 7 – 48K Cooling — 37MBRA + 45MBAA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    | TC    | 45634           | 45618            | 45605            | 45870            | 47220            | 47643            | 47617            | 47595            | 47592            | 47559            | 49065            | 49039            | 49007            | 49001            | 48967            | 51757            | 51744            | 51705            | 51693            | 51615            |
| -13°F<br>25°C  | S/T                | 0.77  | 0.88            | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.81             | 0.83             | 0.93             | 0.54             | 0.63             | 0.71             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |                  |
|                | PI                 | 2.98  | 2.99            | 2.99             | 2.98             | 2.97             | 2.96             | 2.97             | 2.97             | 2.97             | 2.97             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             |                  |
|                | TC                 | 49144 | 49127           | 49113            | 49398            | 50853            | 51308            | 51279            | 51256            | 51253            | 51217            | 52839            | 52812            | 52777            | 52771            | 52734            | 55739            | 55724            | 55683            | 55669            | 55586            |                  |
| -4°F<br>20°C   | S/T                | 0.78  | 0.88            | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |                  |
|                | PI                 | 3.09  | 3.09            | 3.09             | 3.09             | 3.08             | 3.07             | 3.07             | 3.07             | 3.07             | 3.07             | 3.06             | 3.06             | 3.06             | 3.07             | 3.07             | 3.08             | 3.08             | 3.08             | 3.08             | 3.08             |                  |
|                | TC                 | 50766 | 50744           | 50940            | 51328            | 52750            | 52979            | 52939            | 52909            | 52904            | 52895            | 54533            | 54502            | 54452            | 54444            | 54396            | 57472            | 57455            | 57458            | 57464            | 57507            |                  |
| 0°F<br>17.8°C  | S/T                | 0.78  | 0.89            | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.95             | 0.54             | 0.64             | 0.73             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |                  |
|                | PI                 | 3.12  | 3.12            | 3.12             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             |                  |
|                | TC                 | 52259 | 52306           | 53011            | 53254            | 54883            | 54744            | 54755            | 54761            | 54762            | 55032            | 56536            | 56531            | 56546            | 56548            | 56555            | 59914            | 59896            | 59897            | 59901            | 59934            |                  |
| 5°F<br>15°C    | S/T                | 0.79  | 0.90            | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |                  |
|                | PI                 | 3.14  | 3.14            | 3.14             | 3.14             | 3.15             | 3.15             | 3.15             | 3.15             | 3.15             | 3.16             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             | 3.23             | 3.23             | 3.23             | 3.23             | 3.23             |                  |
|                | TC                 | 58617 | 58596           | 58838            | 59353            | 61195            | 61560            | 61525            | 61495            | 61490            | 61458            | 63687            | 63657            | 63608            | 63600            | 63546            | 67692            | 67672            | 67622            | 67607            | 67503            |                  |
| 14°F<br>10°C   | S/T                | 0.78  | 0.89            | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |                  |
|                | PI                 | 3.83  | 3.83            | 3.83             | 3.83             | 3.82             | 3.81             | 3.81             | 3.82             | 3.82             | 3.82             | 3.80             | 3.80             | 3.81             | 3.81             | 3.81             | 3.82             | 3.82             | 3.82             | 3.82             | 3.82             |                  |
|                | TC                 | 60805 | 60820           | 61565            | 61921            | 63914            | 63858            | 63863            | 63877            | 63879            | 64181            | 65894            | 65920            | 65962            | 65965            | 65982            | 70277            | 70255            | 70263            | 70276            | 70341            |                  |
| 17°F<br>10°C   | S/T                | 0.79  | 0.89            | 1.00             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.85             | 0.95             | 0.55             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |                  |
|                | PI                 | 4.02  | 4.02            | 4.02             | 4.02             | 4.02             | 4.02             | 4.02             | 4.02             | 4.02             | 4.02             | 4.02             | 4.02             | 4.02             | 4.02             | 4.02             | 4.05             | 4.05             | 4.05             | 4.05             | 4.05             |                  |
|                | TC                 | 57331 | 57411           | 58345            | 58631            | 60548            | 60274            | 60289            | 60297            | 60299            | 60655            | 62399            | 62397            | 62416            | 62419            | 62429            | 66422            | 66402            | 66404            | 66413            | 66459            |                  |
| 23°F<br>5°C    | S/T                | 0.80  | 0.91            | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.97             | 0.54             | 0.65             | 0.74             | 0.75             | 0.85             | 0.39             | 0.47             | 0.56             | 0.57             | 0.66             |                  |
|                | PI                 | 3.78  | 3.78            | 3.79             | 3.79             | 3.81             | 3.81             | 3.81             | 3.81             | 3.81             | 3.81             | 3.83             | 3.83             | 3.83             | 3.83             | 3.83             | 3.90             | 3.90             | 3.90             | 3.90             | 3.90             |                  |
|                | TC                 | 51158 | 51159           | 51258            | 51315            | 52634            | 53612            | 53605            | 53607            | 53608            | 53609            | 55335            | 55331            | 55325            | 55325            | 55332            | 58540            | 58526            | 58514            | 58522            | 58511            |                  |
| 35°F<br>1.7°C  | S/T                | 0.75  | 0.85            | 0.93             | 0.94             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 3.13  | 3.13            | 3.13             | 3.14             | 3.24             | 3.31             | 3.31             | 3.31             | 3.31             | 3.31             | 3.46             | 3.46             | 3.46             | 3.46             | 3.46             | 3.76             | 3.76             | 3.75             | 3.76             | 3.75             |                  |
|                | TC                 | 53662 | 53662           | 53811            | 53884            | 55413            | 56223            | 56217            | 56219            | 56219            | 56269            | 58022            | 58016            | 58011            | 58012            | 58018            | 61363            | 61348            | 61335            | 61342            | 61333            |                  |
| 41°F<br>5°C    | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.64             |                  |
|                | PI                 | 3.36  | 3.36            | 3.37             | 3.38             | 3.50             | 3.57             | 3.56             | 3.57             | 3.57             | 3.57             | 3.73             | 3.73             | 3.73             | 3.73             | 3.73             | 4.06             | 4.06             | 4.06             | 4.06             | 4.06             |                  |
|                | TC                 | 56162 | 56162           | 56379            | 56477            | 58214            | 58835            | 58826            | 58828            | 58828            | 58917            | 60708            | 60702            | 60697            | 60698            | 60701            | 64192            | 64176            | 64171            | 64169            | 64160            |                  |
| 47°F<br>8.3°C  | S/T                | 0.77  | 0.87            | 0.95             | 0.97             | 1.00             | 0.63             | 0.72             | 0.81             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.82             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 3.59  | 3.59            | 3.60             | 3.61             | 3.76             | 3.82             | 3.82             | 3.82             | 3.82             | 3.83             | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             | 4.36             | 4.36             | 4.36             | 4.36             | 4.36             |                  |
|                | TC                 | 54212 | 55098           | 56939            | 57265            | 59458            | 57398            | 57432            | 57618            | 57692            | 59528            | 59658            | 59735            | 59769            | 59773            | 60043            | 63956            | 63987            | 64142            | 64160            | 64245            |                  |
| 50°F<br>10°C   | S/T                | 0.87  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.92             | 0.94             | 1.00             | 0.57             | 0.69             | 0.80             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |                  |
|                | PI                 | 4.01  | 4.01            | 4.01             | 4.01             | 4.01             | 4.01             | 4.01             | 4.01             | 4.01             | 4.01             | 4.01             | 4.01             | 4.01             | 4.01             | 4.01             | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             |                  |
|                | TC                 | 51491 | 52731           | 54587            | 54915            | 57125            | 54633            | 54657            | 54929            | 55035            | 57191            | 56902            | 56963            | 56986            | 56988            | 57365            | 61247            | 61264            | 61384            | 61398            | 61458            |                  |
| 59°F<br>15°C   | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.97             | 1.00             | 0.58             | 0.71             | 0.81             | 0.83             | 0.96             | 0.39             | 0.50             | 0.59             | 0.61             | 0.73             |                  |
|                | PI                 | 4.01  | 4.02            | 4.03             | 4.03             | 4.04             | 4.03             | 4.03             | 4.03             | 4.03             | 4.04             | 4.04             | 4.04             | 4.04             | 4.04             | 4.04             | 4.07             | 4.07             | 4.07             | 4.07             | 4.07             |                  |
|                | TC                 | 48833 | 50408           | 52263            | 52592            | 54804            | 51885            | 51901            | 52307            | 52649            | 54865            | 54143            | 54187            | 54203            | 54204            | 54821            | 58463            | 58482            | 58576            | 58586            | 58628            |                  |
| 68°F<br>20°C   | S/T                | 0.91  | 1.00            | 1.00             | 1.00             | 1.00             | 0.72             | 0.85             | 0.97             | 1.00             | 1.00             | 0.59             | 0.72             | 0.84             | 0.86             | 0.99             | 0.40             | 0.50             | 0.61             | 0.62             | 0.75             |                  |
|                | PI                 | 4.01  | 4.03            | 4.05             | 4.06             | 4.08             | 4.05             | 4.05             | 4.05             | 4.06             | 4.08             | 4.08             | 4.08             | 4.07             | 4.07             | 4.08             | 4.13             | 4.13             | 4.13             | 4.13             | 4.13             |                  |
|                | TC                 | 46098 | 47864           | 49720            | 50050            | 52262            | 49095            | 49118            | 49683            | 50109            | 52324            | 51337            | 51396            | 51419            | 51479            | 52371            | 55600            | 55651            | 55775            | 55789            | 55849            |                  |
| 77°F<br>25°C   | S/T                | 0.92  | 1.00            | 1.00             | 1.00             | 1.00             | 0.72             | 0.87             | 0.99             | 1.00             | 1.00             | 0.59             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |                  |
|                | PI                 | 4.05  | 4.07            | 4.09             | 4.09             | 4.11             | 4.09             | 4.09             | 4.09             | 4.10             | 4.12             | 4.11             | 4.11             | 4.11             | 4.11             | 4.12             | 4.16             | 4.15             | 4.15             | 4.15             | 4.15             |                  |
|                | TC                 | 45427 | 47353           | 49240            | 49576            | 51830            | 48425            | 48504            | 49300            | 49636            | 51889            | 50691            | 50758            | 50784            | 50864            | 51936            | 54984            | 55054            | 55191            | 55207            | 55272            |                  |
| 82°F<br>27.8°C | S/T                | 0.94  | 1.00            | 1.00             | 1.00             | 1.00             | 0.73             | 0.87             | 1.00             | 1.00             | 1.00             | 0.60             | 0.74             | 0.86             | 0.87             | 1.00             | 0.40             | 0.51             | 0.62             | 0.63             | 0.76             |                  |
|                | PI                 | 4.28  | 4.30            | 4.32             | 4.32             | 4.34             | 4.31             | 4.31             | 4.32             | 4.32             | 4.34             | 4.33             | 4.33             | 4.33             | 4.33             | 4.34             | 4.38             | 4.38             | 4.38             | 4.37             | 4.37             |                  |
|                | TC                 | 45916 | 48043           | 49992            | 50337            | 52683            | 48949            | 49050            | 50052            | 50397            | 52724            | 51284            | 51344            | 51425            | 51472            | 52773            | 55692            | 55772            | 55903            | 55917            | 55975            |                  |
| 86°F<br>30°C   | S/T                | 0.95  | 1.00            | 1.00             | 1.00             | 1.00             | 0.74             | 0.88             | 1.00             | 1.00             | 1.00             | 0.60             | 0.75             | 0.86             | 0.88             | 1.00             | 0.40             | 0.51             | 0.62             | 0.64             | 0.77             |                  |
|                | PI                 | 4.71  | 4.73            | 4.76             | 4.76             | 4.79             | 4.75             | 4.75             | 4.76             | 4.76             | 4.79             | 4.78             | 4.77             | 4.77             | 4.77             | 4.79             | 4.84             | 4.83             | 4.83             | 4.83             | 4.82             |                  |
|                | TC                 | 47603 | 47688           | 48712            | 48999            | 50920            | 50648            | 50660            | 50678            | 50680            | 51024            | 52835            | 52840            | 52867            | 52872            | 52895            | 57036            | 57016            | 57022            | 57019            | 57062            |                  |
| 95°F<br>35°C   | S/T                | 0.80  | 0.91            | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |                  |
|                | PI                 | 5.47  | 5.48            | 5.53             | 5.55             | 5.66             | 5.64             | 5.64             | 5.64             | 5.64             | 5.66             | 5.77             | 5.77             | 5.77             | 5.77             | 5.77             | 6.01             | 6.01             | 6.01             | 6.01             | 6.01             |                  |
|                | TC                 | 40875 | 41021           | 42203            | 42451            | 44135            | 43490            | 43505            | 43516            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 7 – 48K Cooling — 37MBRA + 45MBAA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
|                |                    | ID DB |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 1600           | -13°F<br>25°C      | TC    | 48281            | 48259            | 48948            | 49151            | 50503            | 50375            | 50333            | 50301            | 50297            | 50255            | 51881            | 51815            | 51766            | 51759            | 51710            | 54724            | 54709            | 54597            | 54576            | 54461            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.85             | 0.86             | 0.97             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 3.11             | 3.12             | 3.11             | 3.11             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.09             | 3.09             | 3.10             | 3.10             | 3.10             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             |
|                | -4°F<br>20°C       | TC    | 51995            | 51971            | 52713            | 52931            | 54388            | 54250            | 54205            | 54170            | 54166            | 54121            | 55872            | 55801            | 55748            | 55741            | 55687            | 58934            | 58918            | 58797            | 58775            | 58650            |
|                |                    | S/T   | 0.80             | 0.92             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.85             | 0.87             | 0.98             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 3.23             | 3.23             | 3.22             | 3.22             | 3.21             | 3.21             | 3.21             | 3.21             | 3.21             | 3.21             | 3.20             | 3.21             | 3.21             | 3.21             | 3.21             | 3.22             | 3.22             | 3.22             | 3.22             | 3.23             |
|                | 0°F<br>17.8°C      | TC    | 53721            | 53689            | 54686            | 54914            | 56422            | 56025            | 55963            | 55920            | 55913            | 56475            | 57672            | 57590            | 57518            | 57510            | 57482            | 60773            | 60759            | 60754            | 60762            | 60802            |
|                |                    | S/T   | 0.81             | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.26             | 3.26             | 3.26             | 3.29             | 3.29             | 3.29             | 3.29             | 3.29             |
|                | 5°F<br>15°C        | TC    | 55261            | 55451            | 56719            | 56981            | 58736            | 57853            | 57867            | 57871            | 57931            | 58794            | 59703            | 59718            | 59730            | 59732            | 59811            | 63205            | 63186            | 63219            | 63226            | 63253            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.28             | 3.28             | 3.28             | 3.29             | 3.30             | 3.29             | 3.29             | 3.29             | 3.29             | 3.30             | 3.32             | 3.32             | 3.32             | 3.32             | 3.32             | 3.39             | 3.39             | 3.39             | 3.39             | 3.39             |
|                | 14°F<br>10°C       | TC    | 62032            | 62001            | 63267            | 63563            | 65534            | 65112            | 65055            | 65010            | 65003            | 65612            | 67343            | 67258            | 67190            | 67179            | 67112            | 71607            | 71585            | 71447            | 71423            | 71270            |
|                |                    | S/T   | 0.81             | 0.93             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.86             | 0.87             | 1.00             | 0.55             | 0.66             | 0.75             | 0.76             | 0.87             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 4.00             | 4.00             | 3.99             | 3.99             | 3.98             | 3.98             | 3.98             | 3.98             | 3.99             | 3.98             | 3.98             | 3.98             | 3.98             | 3.98             | 3.98             | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             |
|                | 17°F<br>10°C       | TC    | 64133            | 64342            | 65829            | 66150            | 68298            | 67325            | 67353            | 67365            | 67422            | 68372            | 69623            | 69649            | 69676            | 69680            | 69766            | 74045            | 74025            | 74014            | 74027            | 74089            |
|                |                    | S/T   | 0.82             | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 4.20             | 4.20             | 4.20             | 4.20             | 4.20             | 4.20             | 4.20             | 4.20             | 4.20             | 4.20             | 4.20             | 4.20             | 4.20             | 4.20             | 4.20             | 4.24             | 4.24             | 4.24             | 4.24             | 4.24             |
|                | 23°F<br>5°C        | TC    | 60625            | 60886            | 62461            | 62769            | 64837            | 63695            | 63714            | 63721            | 63804            | 64907            | 65892            | 65914            | 65931            | 65933            | 66039            | 70063            | 70041            | 70091            | 70100            | 70141            |
|                |                    | S/T   | 0.83             | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.95             | 3.95             | 3.97             | 3.97             | 3.99             | 3.98             | 3.98             | 3.98             | 3.98             | 3.99             | 4.01             | 4.01             | 4.01             | 4.01             | 4.01             | 4.08             | 4.08             | 4.08             | 4.08             | 4.09             |
|                | 35°F<br>1.7°C      | TC    | 54137            | 54139            | 54457            | 54609            | 56371            | 56668            | 56666            | 56670            | 56671            | 56822            | 58442            | 58438            | 58441            | 58442            | 58448            | 61732            | 61718            | 61715            | 61712            | 61717            |
|                |                    | S/T   | 0.78             | 0.88             | 0.97             | 0.99             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.63             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 3.27             | 3.27             | 3.29             | 3.30             | 3.44             | 3.46             | 3.46             | 3.46             | 3.46             | 3.48             | 3.61             | 3.61             | 3.62             | 3.62             | 3.62             | 3.93             | 3.93             | 3.93             | 3.93             | 3.93             |
|                | 41°F<br>5°C        | TC    | 56784            | 56784            | 57236            | 57634            | 59338            | 59425            | 59423            | 59426            | 59426            | 59635            | 61278            | 61274            | 61278            | 61279            | 61283            | 64717            | 64701            | 64697            | 64694            | 64701            |
|                |                    | S/T   | 0.78             | 0.89             | 0.98             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 3.51             | 3.51             | 3.54             | 3.58             | 3.72             | 3.73             | 3.73             | 3.73             | 3.73             | 3.75             | 3.90             | 3.90             | 3.90             | 3.90             | 3.90             | 4.25             | 4.25             | 4.25             | 4.25             | 4.25             |
|                | 47°F<br>8.3°C      | TC    | 59430            | 59469            | 60266            | 60536            | 62327            | 62185            | 62183            | 62185            | 62184            | 62472            | 64116            | 64110            | 64115            | 64114            | 64114            | 67706            | 67689            | 67683            | 67680            | 67687            |
|                |                    | S/T   | 0.79             | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.67             |
|                |                    | PI    | 3.75             | 3.75             | 3.82             | 3.85             | 4.01             | 4.00             | 4.00             | 4.00             | 4.00             | 4.02             | 4.18             | 4.18             | 4.18             | 4.18             | 4.18             | 4.56             | 4.56             | 4.56             | 4.56             | 4.56             |
|                | 50°F<br>10°C       | TC    | 57412            | 58993            | 60984            | 61337            | 63715            | 60654            | 60687            | 61107            | 61299            | 63776            | 63020            | 63102            | 63135            | 63139            | 63746            | 67364            | 67541            | 67715            | 67735            | 67820            |
|                |                    | S/T   | 0.90             | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.85             | 0.96             | 0.99             | 1.00             | 0.59             | 0.72             | 0.83             | 0.85             | 0.99             | 0.40             | 0.50             | 0.60             | 0.62             | 0.74             |
|                |                    | PI    | 4.20             | 4.20             | 4.20             | 4.20             | 4.19             | 4.20             | 4.20             | 4.20             | 4.20             | 4.19             | 4.19             | 4.19             | 4.19             | 4.19             | 4.19             | 4.19             | 4.19             | 4.19             | 4.19             | 4.19             |
|                | 59°F<br>15°C       | TC    | 54564            | 56479            | 58483            | 58839            | 61233            | 57732            | 57811            | 58466            | 58902            | 61294            | 60113            | 60174            | 60195            | 60283            | 61344            | 64550            | 64679            | 64808            | 64822            | 64876            |
|                |                    | S/T   | 0.92             | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.86             | 1.00             | 1.00             | 1.00             | 0.60             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                    | PI    | 4.20             | 4.21             | 4.22             | 4.22             | 4.23             | 4.22             | 4.22             | 4.22             | 4.22             | 4.23             | 4.23             | 4.23             | 4.23             | 4.23             | 4.23             | 4.26             | 4.26             | 4.25             | 4.25             | 4.25             |
|                | 68°F<br>20°C       | TC    | 51709            | 53917            | 55916            | 56272            | 58659            | 54743            | 54866            | 55977            | 56333            | 58718            | 57109            | 57152            | 57255            | 57305            | 58766            | 61535            | 61650            | 61746            | 61756            | 61788            |
|                |                    | S/T   | 0.95             | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.89             | 1.00             | 1.00             | 1.00             | 0.61             | 0.75             | 0.87             | 0.89             | 1.00             | 0.40             | 0.51             | 0.63             | 0.65             | 0.78             |
|                |                    | PI    | 4.20             | 4.23             | 4.25             | 4.25             | 4.28             | 4.24             | 4.24             | 4.25             | 4.25             | 4.28             | 4.27             | 4.26             | 4.26             | 4.26             | 4.28             | 4.32             | 4.32             | 4.32             | 4.32             | 4.31             |
|                | 77°F<br>25°C       | TC    | 48835            | 51186            | 53189            | 53544            | 55936            | 51771            | 51935            | 53247            | 53603            | 55992            | 54116            | 54177            | 54315            | 54376            | 56039            | 58447            | 58625            | 58760            | 58775            | 58829            |
|                |                    | S/T   | 0.97             | 1.00             | 1.00             | 1.00             | 1.00             | 0.75             | 0.90             | 1.00             | 1.00             | 1.00             | 0.61             | 0.76             | 0.88             | 0.90             | 1.00             | 0.40             | 0.52             | 0.63             | 0.65             | 0.79             |
|                |                    | PI    | 4.24             | 4.27             | 4.29             | 4.29             | 4.31             | 4.27             | 4.27             | 4.29             | 4.29             | 4.31             | 4.30             | 4.30             | 4.30             | 4.30             | 4.31             | 4.35             | 4.35             | 4.34             | 4.34             | 4.34             |
|                | 82°F<br>27.8°C     | TC    | 48161            | 50620            | 52661            | 53018            | 55447            | 51036            | 51233            | 52707            | 53078            | 55505            | 53410            | 53477            | 53644            | 53710            | 55553            | 57747            | 57964            | 58116            | 58131            | 58194            |
|                |                    | S/T   | 0.99             | 1.00             | 1.00             | 1.00             | 1.00             | 0.76             | 0.91             | 1.00             | 1.00             | 1.00             | 0.62             | 0.77             | 0.89             | 0.92             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.80             |
|                |                    | PI    | 4.48             | 4.50             | 4.53             | 4.53             | 4.55             | 4.51             | 4.51             | 4.52             | 4.53             | 4.55             | 4.54             | 4.53             | 4.53             | 4.53             | 4.55             | 4.59             | 4.58             | 4.58             | 4.58             | 4.57             |
|                | 86°F<br>30°C       | TC    | 48943            | 51386            | 53488            | 53861            | 56369            | 51614            | 51852            | 53547            | 53922            | 56428            | 54060            | 54122            | 54321            | 54399            | 56476            | 58526            | 58752            | 58892            | 58906            | 58961            |
|                |                    | S/T   | 1.00             | 1.00             | 1.00             | 1.00             | 1.00             | 0.77             | 0.93             | 1.00             | 1.00             | 1.00             | 0.62             | 0.78             | 0.91             | 0.93             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.81             |
|                |                    | PI    | 4.93             | 4.96             | 4.98             | 4.99             | 5.02             | 4.96             | 4.97             | 4.98             | 4.99             | 5.02             | 5.00             | 4.99             | 4.99             | 5.00             | 5.02             | 5.06             | 5.05             | 5.05             | 5.05             | 5.04             |
|                | 95°F<br>35°C       | TC    | 50341            | 50613            | 52249            | 52558            | 54636            | 53502            | 53533            | 53550            | 53614            | 54704            | 55798            | 55810            | 55844            | 55849            | 55942            | 60125            | 60102            | 60114            | 60132            | 60212            |
|                |                    | S/T   | 0.83             | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 5.72             | 5.73             | 5.83             | 5                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 8 – 54K Cooling — 37MBRA + 45MBAA

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
|                |                    |       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 1135           | -13°F<br>25°C      | TC    | 41122            | 41116            | 41110            | 41110            | 41102            | 43036            | 43024            | 43017            | 43016            | 43008            | 44393            | 44381            | 44371            | 44369            | 44359            | 46938            | 46926            | 46915            | 46913            | 46898            |
|                |                    | S/T   | 0.72             | 0.80             | 0.87             | 0.88             | 0.97             | 0.59             | 0.67             | 0.74             | 0.76             | 0.83             | 0.51             | 0.59             | 0.66             | 0.67             | 0.75             | 0.38             | 0.46             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.63             | 2.63             | 2.63             | 2.63             | 2.63             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.60             | 2.60             | 2.60             | 2.60             | 2.60             |
|                | -4°F<br>20°C       | TC    | 44285            | 44278            | 44273            | 44272            | 44264            | 46346            | 46334            | 46326            | 46325            | 46316            | 47807            | 47795            | 47784            | 47782            | 47772            | 50549            | 50536            | 50524            | 50522            | 50506            |
|                |                    | S/T   | 0.72             | 0.80             | 0.88             | 0.89             | 0.97             | 0.60             | 0.68             | 0.75             | 0.76             | 0.84             | 0.52             | 0.59             | 0.66             | 0.67             | 0.75             | 0.39             | 0.47             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             | 2.70             | 2.71             | 2.71             | 2.71             | 2.71             | 2.70             | 2.70             | 2.70             | 2.70             | 2.70             |
|                | 0°F<br>17.8°C      | TC    | 45726            | 45717            | 45710            | 45708            | 45695            | 47833            | 47824            | 47813            | 47811            | 47799            | 49326            | 49312            | 49301            | 49299            | 49284            | 52109            | 52095            | 52085            | 52083            | 52063            |
|                |                    | S/T   | 0.72             | 0.81             | 0.88             | 0.90             | 0.98             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             |
|                | 5°F<br>15°C        | TC    | 47160            | 47160            | 47160            | 47160            | 47865            | 49515            | 49506            | 49504            | 49505            | 49510            | 51208            | 51205            | 51197            | 51196            | 51201            | 54454            | 54440            | 54427            | 54425            | 54425            |
|                |                    | S/T   | 0.73             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.86             | 0.52             | 0.60             | 0.67             | 0.68             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.80             | 2.80             | 2.80             | 2.80             | 2.80             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.80             | 2.80             | 2.80             | 2.80             | 2.80             | 2.83             | 2.83             | 2.83             | 2.83             | 2.83             |
|                | 14°F<br>10°C       | TC    | 44902            | 44896            | 44891            | 44890            | 45108            | 47260            | 47247            | 47240            | 47239            | 47230            | 48944            | 48932            | 48919            | 48918            | 48907            | 52142            | 52127            | 52114            | 52112            | 52095            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 0.99             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.66             | 0.68             | 0.76             | 0.39             | 0.47             | 0.51             | 0.53             | 0.60             |
|                |                    | PI    | 2.80             | 2.80             | 2.80             | 2.80             | 2.80             | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             |
|                | 17°F<br>10°C       | TC    | 44187            | 44178            | 44171            | 44170            | 44807            | 46505            | 46494            | 46484            | 46483            | 46483            | 48169            | 48167            | 48160            | 48159            | 48166            | 51422            | 51407            | 51395            | 51392            | 51395            |
|                |                    | S/T   | 0.73             | 0.82             | 0.89             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.76             | 2.76             | 2.76             | 2.76             | 2.76             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             |
|                | 23°F<br>5°C        | TC    | 43746            | 43747            | 43747            | 43776            | 44575            | 46100            | 46091            | 46091            | 46092            | 46097            | 47794            | 47791            | 47784            | 47783            | 47788            | 51052            | 51037            | 51025            | 51023            | 51023            |
|                |                    | S/T   | 0.74             | 0.83             | 0.90             | 0.91             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.67             | 2.67             | 2.67             | 2.67             | 2.67             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.71             | 2.71             | 2.71             | 2.71             | 2.71             |
|                | 35°F<br>1.7°C      | TC    | 43221            | 43218            | 43215            | 43214            | 43274            | 45460            | 45456            | 45451            | 45449            | 45446            | 47043            | 47033            | 47031            | 47030            | 47023            | 50006            | 49994            | 49985            | 49983            | 49980            |
|                |                    | S/T   | 0.70             | 0.78             | 0.85             | 0.86             | 0.93             | 0.59             | 0.66             | 0.72             | 0.74             | 0.81             | 0.51             | 0.58             | 0.64             | 0.65             | 0.73             | 0.39             | 0.46             | 0.50             | 0.51             | 0.58             |
|                |                    | PI    | 2.28             | 2.28             | 2.28             | 2.28             | 2.29             | 2.41             | 2.41             | 2.41             | 2.41             | 2.41             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             |
|                | 41°F<br>5°C        | TC    | 41726            | 41721            | 41719            | 41718            | 41816            | 43870            | 43866            | 43860            | 43859            | 43856            | 45386            | 45377            | 45373            | 45373            | 45365            | 48225            | 48215            | 48205            | 48204            | 48200            |
|                |                    | S/T   | 0.71             | 0.79             | 0.86             | 0.87             | 0.95             | 0.59             | 0.67             | 0.73             | 0.74             | 0.82             | 0.51             | 0.59             | 0.65             | 0.66             | 0.73             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.14             | 2.14             | 2.14             | 2.14             | 2.15             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             |
|                | 47°F<br>8.3°C      | TC    | 40222            | 40217            | 40215            | 40214            | 40354            | 42274            | 42270            | 42264            | 42264            | 42261            | 43728            | 43718            | 43715            | 43714            | 43708            | 46444            | 46433            | 46424            | 46423            | 46418            |
|                |                    | S/T   | 0.71             | 0.80             | 0.87             | 0.88             | 0.96             | 0.59             | 0.67             | 0.74             | 0.75             | 0.83             | 0.51             | 0.59             | 0.65             | 0.66             | 0.74             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.01             | 2.01             | 2.01             | 2.01             | 2.02             | 2.14             | 2.14             | 2.14             | 2.14             | 2.14             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.45             | 2.45             | 2.45             | 2.45             | 2.45             |
|                | 50°F<br>10°C       | TC    | 39350            | 39356            | 39719            | 40041            | 41527            | 41730            | 41739            | 41751            | 41753            | 41907            | 43457            | 43461            | 43480            | 43484            | 43501            | 46804            | 46786            | 46793            | 46790            | 46831            |
|                |                    | S/T   | 0.79             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             |
|                | 59°F<br>15°C       | TC    | 38525            | 38584            | 39344            | 39574            | 41121            | 40975            | 40984            | 40992            | 40993            | 41244            | 42768            | 42758            | 42775            | 42778            | 42790            | 46206            | 46188            | 46191            | 46189            | 46224            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 2.60             | 2.60             | 2.61             | 2.61             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.63             | 2.63             | 2.62             | 2.63             | 2.62             | 2.64             | 2.64             | 2.64             | 2.64             | 2.64             |
|                | 68°F<br>20°C       | TC    | 37729            | 37853            | 38922            | 39160            | 40762            | 40235            | 40242            | 40247            | 40248            | 40732            | 42063            | 42055            | 42070            | 42072            | 42080            | 45580            | 45561            | 45562            | 45560            | 45596            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.86             | 2.86             | 2.88             | 2.88             | 2.90             | 2.89             | 2.89             | 2.89             | 2.89             | 2.90             | 2.91             | 2.91             | 2.91             | 2.91             | 2.91             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             |
|                | 77°F<br>25°C       | TC    | 36879            | 37061            | 38333            | 38583            | 40244            | 39459            | 39473            | 39481            | 39519            | 40302            | 41346            | 41343            | 41365            | 41368            | 41417            | 44976            | 44956            | 44961            | 44962            | 45014            |
|                |                    | S/T   | 0.83             | 0.96             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.55             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 3.15             | 3.15             | 3.17             | 3.17             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.19             | 3.20             | 3.20             | 3.20             | 3.20             | 3.20             | 3.23             | 3.23             | 3.23             | 3.23             | 3.23             |
|                | 82°F<br>27.8°C     | TC    | 36490            | 36725            | 38133            | 38386            | 40082            | 39109            | 39128            | 39161            | 39195            | 40140            | 41026            | 41028            | 41052            | 41055            | 41125            | 44718            | 44696            | 44704            | 44708            | 44768            |
|                |                    | S/T   | 0.84             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.88             | 0.90             | 1.00             | 0.56             | 0.67             | 0.77             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.39             | 3.40             | 3.41             | 3.41             | 3.43             | 3.42             | 3.42             | 3.42             | 3.42             | 3.43             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.47             | 3.47             | 3.47             | 3.47             | 3.47             |
|                | 86°F<br>30°C       | TC    | 36286            | 36602            | 38128            | 38385            | 40112            | 38938            | 38956            | 39009            | 39048            | 40169            | 40874            | 40880            | 40901            | 40904            | 40997            | 44607            | 44585            | 44593            | 44602            | 44658            |
|                |                    | S/T   | 0.85             | 0.98             | 1.00             | 1.00             | 1.00             | 0.67             | 0.80             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.69             | 3.69             | 3.71             | 3.71             | 3.73             | 3.72             | 3.72             | 3.72             | 3.72             | 3.73             | 3.74             | 3.74             | 3.74             | 3.74             | 3.74             | 3.78             | 3.78             | 3.78             | 3.78             | 3.78             |
|                | 95°F<br>35°C       | TC    | 36382            | 36381            | 36384            | 36425            | 37358            | 38818            | 38809            | 38806            | 38807            | 38814            | 40575            | 40571            | 40563            | 40562            | 40563            | 43970            | 43955            | 43943            | 43941            | 43940            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.87             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 4.19             | 4.19</           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 8 – 54K Cooling — 37MBRA + 45MBAA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    | TC    | 45683           | 45673            | 45664            | 45663            | 46600            | 47739            | 47726            | 47713            | 47711            | 47695            | 49197            | 49181            | 49164            | 49161            | 49139            | 51932            | 51918            | 51898            | 51896            | 51862            |
| -13°F<br>25°C  | S/T                | 0.75  | 0.84            | 0.92             | 0.93             | 1.00             | 0.61             | 0.70             | 0.78             | 0.79             | 0.88             | 0.52             | 0.61             | 0.69             | 0.70             | 0.79             | 0.38             | 0.46             | 0.53             | 0.54             | 0.62             |                  |
|                | PI                 | 2.85  | 2.85            | 2.85             | 2.85             | 2.84             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             | 2.81             | 2.81             | 2.81             | 2.81             | 2.81             | 2.81             | 2.81             | 2.81             | 2.81             | 2.81             |                  |
|                | TC                 | 49197 | 49186           | 49176            | 49175            | 50184            | 51412            | 51397            | 51383            | 51381            | 51364            | 52981            | 52964            | 52946            | 52942            | 52919            | 55927            | 55912            | 55890            | 55888            | 55852            |                  |
| -4°F<br>20°C   | S/T                | 0.75  | 0.84            | 0.92             | 0.94             | 1.00             | 0.61             | 0.71             | 0.78             | 0.79             | 0.88             | 0.53             | 0.61             | 0.69             | 0.70             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 2.95  | 2.95            | 2.95             | 2.95             | 2.94             | 2.92             | 2.92             | 2.92             | 2.92             | 2.92             | 2.91             | 2.91             | 2.91             | 2.91             | 2.91             | 2.91             | 2.91             | 2.91             | 2.91             | 2.91             |                  |
|                | TC                 | 50805 | 50791           | 50780            | 50778            | 52044            | 53071            | 53052            | 53032            | 53028            | 53006            | 54672            | 54651            | 54627            | 54622            | 54588            | 57649            | 57637            | 57631            | 57627            | 57634            |                  |
| 0°F<br>17.8°C  | S/T                | 0.75  | 0.85            | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 2.97  | 2.97            | 2.97             | 2.97             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             |                  |
|                | TC                 | 52350 | 52355           | 52518            | 52593            | 54131            | 54899            | 54897            | 54905            | 54906            | 54971            | 56727            | 56724            | 56728            | 56730            | 56741            | 60213            | 60197            | 60198            | 60195            | 60199            |                  |
| 5°F<br>15°C    | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 3.00  | 3.00            | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.01             | 3.01             | 3.01             | 3.01             | 3.01             | 3.06             | 3.06             | 3.06             | 3.06             | 3.06             |                  |
|                | TC                 | 49872 | 49861           | 49851            | 49849            | 51265            | 52419            | 52404            | 52389            | 52386            | 52370            | 54241            | 54223            | 54204            | 54200            | 54175            | 57703            | 57686            | 57663            | 57661            | 57623            |                  |
| 14°F<br>10°C   | S/T                | 0.75  | 0.85            | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 3.01  | 3.01            | 3.01             | 3.01             | 3.00             | 2.99             | 2.99             | 2.99             | 2.99             | 2.99             | 2.98             | 2.98             | 2.98             | 2.99             | 2.99             | 2.99             | 2.99             | 2.99             | 2.99             | 2.99             |                  |
|                | TC                 | 49044 | 49029           | 49157            | 49226            | 50701            | 51549            | 51531            | 51543            | 51545            | 51600            | 53355            | 53354            | 53362            | 53366            | 53382            | 56855            | 56838            | 56844            | 56841            | 56853            |                  |
| 17°F<br>10°C   | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 2.98  | 2.98            | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 2.99             | 2.99             | 2.99             | 2.99             | 2.99             |                  |
|                | TC                 | 48563 | 48567           | 48765            | 48852            | 50457            | 51111            | 51110            | 51119            | 51120            | 51202            | 52942            | 52940            | 52946            | 52948            | 52959            | 56449            | 56432            | 56435            | 56432            | 56440            |                  |
| 23°F<br>5°C    | S/T                | 0.77  | 0.87            | 0.95             | 0.97             | 1.00             | 0.62             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 2.86  | 2.86            | 2.86             | 2.86             | 2.86             | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             |                  |
|                | TC                 | 48058 | 48055           | 48056            | 48056            | 48674            | 50448            | 50438            | 50434            | 50434            | 50437            | 52125            | 52120            | 52112            | 52111            | 52109            | 55258            | 55245            | 55234            | 55232            | 55230            |                  |
| 35°F<br>1.7°C  | S/T                | 0.73  | 0.81            | 0.89             | 0.90             | 1.00             | 0.60             | 0.68             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |                  |
|                | PI                 | 2.45  | 2.45            | 2.45             | 2.45             | 2.48             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.70             | 2.70             | 2.70             | 2.70             | 2.70             | 2.94             | 2.94             | 2.93             | 2.93             | 2.93             |                  |
|                | TC                 | 46272 | 46383           | 46384            | 46398            | 47162            | 48678            | 48669            | 48664            | 48665            | 48667            | 50287            | 50283            | 50275            | 50274            | 50272            | 53291            | 53279            | 53267            | 53265            | 53261            |                  |
| 41°F<br>5°C    | S/T                | 0.74  | 0.82            | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.45             | 0.52             | 0.53             | 0.61             |                  |
|                | PI                 | 2.30  | 2.30            | 2.30             | 2.31             | 2.35             | 2.45             | 2.45             | 2.45             | 2.45             | 2.45             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             |                  |
|                | TC                 | 44710 | 44708           | 44707            | 44752            | 45633            | 46904            | 46896            | 46892            | 46892            | 46893            | 48450            | 48445            | 48438            | 48437            | 48436            | 51328            | 51316            | 51306            | 51305            | 51301            |                  |
| 47°F<br>8.3°C  | S/T                | 0.74  | 0.83            | 0.91             | 0.92             | 1.00             | 0.61             | 0.70             | 0.77             | 0.78             | 0.87             | 0.52             | 0.61             | 0.68             | 0.69             | 0.78             | 0.39             | 0.45             | 0.52             | 0.53             | 0.62             |                  |
|                | PI                 | 2.17  | 2.17            | 2.17             | 2.17             | 2.22             | 2.32             | 2.31             | 2.31             | 2.31             | 2.31             | 2.42             | 2.42             | 2.42             | 2.42             | 2.42             | 2.64             | 2.64             | 2.64             | 2.64             | 2.64             |                  |
|                | TC                 | 43654 | 43839           | 45076            | 45332            | 47046            | 46244            | 46273            | 46285            | 46333            | 47105            | 48122            | 48149            | 48177            | 48181            | 48251            | 51706            | 51687            | 51746            | 51761            | 51831            |                  |
| 50°F<br>10°C   | S/T                | 0.83  | 0.95            | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |                  |
|                | PI                 | 2.52  | 2.52            | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             |                  |
|                | TC                 | 42741 | 43046           | 44568            | 44834            | 46616            | 45416            | 45437            | 45506            | 45548            | 46675            | 47349            | 47373            | 47396            | 47398            | 47514            | 51066            | 51044            | 51095            | 51106            | 51160            |                  |
| 59°F<br>15°C   | S/T                | 0.85  | 0.97            | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |                  |
|                | PI                 | 2.80  | 2.80            | 2.81             | 2.81             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             | 2.83             | 2.83             | 2.83             | 2.83             | 2.83             | 2.84             | 2.84             | 2.84             | 2.84             | 2.84             |                  |
|                | TC                 | 41858 | 42561           | 44108            | 44383            | 46226            | 44598            | 44615            | 44738            | 44792            | 46285            | 46575            | 46600            | 46614            | 46616            | 46798            | 50385            | 50363            | 50412            | 50421            | 50462            |                  |
| 68°F<br>20°C   | S/T                | 0.87  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.91             | 0.93             | 1.00             | 0.57             | 0.69             | 0.79             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |                  |
|                | PI                 | 3.08  | 3.09            | 3.11             | 3.11             | 3.13             | 3.11             | 3.11             | 3.11             | 3.11             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             |                  |
|                | TC                 | 40913 | 41867           | 43471            | 43756            | 45670            | 43741            | 43762            | 43930            | 44002            | 45728            | 45771            | 45810            | 45833            | 45836            | 46073            | 49697            | 49674            | 49752            | 49765            | 49822            |                  |
| 77°F<br>25°C   | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.82             | 0.93             | 0.95             | 1.00             | 0.57             | 0.70             | 0.80             | 0.82             | 0.94             | 0.39             | 0.49             | 0.59             | 0.60             | 0.72             |                  |
|                | PI                 | 3.39  | 3.40            | 3.42             | 3.42             | 3.44             | 3.42             | 3.42             | 3.42             | 3.42             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.48             | 3.48             | 3.48             | 3.48             | 3.48             |                  |
|                | TC                 | 40513 | 41614           | 43252            | 43543            | 45496            | 43353            | 43377            | 43586            | 43672            | 45557            | 45414            | 45463            | 45487            | 45490            | 45776            | 49402            | 49411            | 49474            | 49487            | 49551            |                  |
| 82°F<br>27.8°C | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.96             | 1.00             | 0.58             | 0.70             | 0.81             | 0.83             | 0.96             | 0.39             | 0.49             | 0.59             | 0.61             | 0.72             |                  |
|                | PI                 | 3.66  | 3.67            | 3.68             | 3.69             | 3.70             | 3.68             | 3.68             | 3.69             | 3.69             | 3.70             | 3.70             | 3.70             | 3.70             | 3.70             | 3.70             | 3.74             | 3.74             | 3.74             | 3.74             | 3.74             |                  |
|                | TC                 | 40315 | 41587           | 43255            | 43549            | 45535            | 43168            | 43189            | 43447            | 43562            | 45595            | 45250            | 45298            | 45320            | 45323            | 45674            | 49283            | 49287            | 49359            | 49372            | 49429            |                  |
| 86°F<br>30°C   | S/T                | 0.90  | 1.00            | 1.00             | 1.00             | 1.00             | 0.71             | 0.84             | 0.96             | 0.98             | 1.00             | 0.58             | 0.71             | 0.82             | 0.84             | 0.97             | 0.39             | 0.50             | 0.60             | 0.61             | 0.73             |                  |
|                | PI                 | 3.97  | 3.98            | 4.00             | 4.01             | 4.03             | 4.00             | 4.00             | 4.01             | 4.01             | 4.03             | 4.03             | 4.03             | 4.03             | 4.03             | 4.03             | 4.08             | 4.08             | 4.07             | 4.07             | 4.07             |                  |
|                | TC                 | 40406 | 40414           | 40636            | 40741            | 42420            | 43047            | 43042            | 43053            | 43055            | 43132            | 44947            | 44946            | 44944            | 44946            | 44967            | 48610            | 48593            | 48579            | 48601            | 48588            |                  |
| 95°F<br>35°C   | S/T                | 0.77  | 0.87            | 0.96             | 0.98             | 1.00             | 0.63             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 4.51  | 4.51            | 4.53             | 4.53             | 4.62             | 4.66             | 4.66             | 4.66             | 4.66             | 4.66             | 4.76             | 4.76             | 4.76             | 4.76             | 4.76             | 4.96             | 4.96             | 4.96             | 4.96             | 4.96             |                  |
|                | TC                 | 34410 | 34416           | 34770            | 35090            | 36473            | 36655            | 36653            | 36664            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 8 – 54K Cooling — 37MBRA + 45MBAA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB  | 60.8°F (16.0°C) |        |        |        |        | 64.4°F (16.0°C) |        |        |        |        | 67.0°F (19.4°C) |        |        |        |        | 71.6°F (22.0°C) |        |        |        |        |
|----------------|--------------------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|
|                |                    |        | ID DB           | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F |
|                |                    | 23.0°C |                 | 25.0°C | 26.7°C | 27.0°C | 29.0°C | 23.0°C          | 25.0°C | 26.7°C | 27.0°C | 29.0°C | 23.0°C          | 25.0°C | 26.7°C | 27.0°C | 29.0°C | 23.0°C          | 25.0°C | 26.7°C | 27.0°C | 29.0°C |
| 1582           | -13°F<br>25°C      | TC     | 50726           | 50708  | 50694  | 50988  | 52489  | 52959           | 52930  | 52906  | 52902  | 52865  | 54540           | 54511  | 54475  | 54469  | 54431  | 57533           | 57517  | 57475  | 57460  | 57375  |
|                |                    | S/T    | 0.77            | 0.88   | 0.97   | 1.00   | 1.00   | 0.63            | 0.73   | 0.81   | 0.83   | 0.93   | 0.54            | 0.63   | 0.71   | 0.73   | 0.83   | 0.39            | 0.46   | 0.54   | 0.56   | 0.65   |
|                |                    | PI     | 3.08            | 3.08   | 3.08   | 3.08   | 3.07   | 3.06            | 3.06   | 3.06   | 3.06   | 3.06   | 3.05            | 3.06   | 3.06   | 3.06   | 3.06   | 3.07            | 3.07   | 3.07   | 3.07   | 3.07   |
|                | -4°F<br>20°C       | TC     | 54627           | 54608  | 54593  | 54910  | 56527  | 57033           | 57001  | 56976  | 56971  | 56932  | 58735           | 58704  | 58665  | 58659  | 58618  | 61958           | 61942  | 61896  | 61881  | 61788  |
|                |                    | S/T    | 0.78            | 0.88   | 0.97   | 1.00   | 1.00   | 0.63            | 0.73   | 0.82   | 0.83   | 0.93   | 0.54            | 0.64   | 0.72   | 0.73   | 0.83   | 0.39            | 0.47   | 0.55   | 0.56   | 0.65   |
|                |                    | PI     | 3.19            | 3.19   | 3.20   | 3.19   | 3.18   | 3.17            | 3.17   | 3.17   | 3.17   | 3.17   | 3.16            | 3.16   | 3.17   | 3.17   | 3.17   | 3.18            | 3.18   | 3.18   | 3.18   | 3.18   |
|                | 0°F<br>17.8°C      | TC     | 56430           | 56406  | 56624  | 57056  | 58636  | 58891           | 58846  | 58812  | 58807  | 58797  | 60618           | 60583  | 60528  | 60519  | 60466  | 63885           | 63866  | 63869  | 63876  | 63924  |
|                |                    | S/T    | 0.78            | 0.89   | 0.99   | 1.00   | 1.00   | 0.64            | 0.74   | 0.83   | 0.84   | 0.95   | 0.54            | 0.64   | 0.73   | 0.74   | 0.84   | 0.39            | 0.47   | 0.55   | 0.57   | 0.66   |
|                |                    | PI     | 3.22            | 3.22   | 3.22   | 3.22   | 3.21   | 3.21            | 3.21   | 3.21   | 3.21   | 3.21   | 3.21            | 3.21   | 3.21   | 3.21   | 3.22   | 3.24            | 3.24   | 3.24   | 3.24   | 3.24   |
|                | 5°F<br>15°C        | TC     | 58090           | 58143  | 58926  | 59196  | 61006  | 60853           | 60865  | 60872  | 60873  | 61173  | 62844           | 62839  | 62856  | 62857  | 62865  | 66599           | 66580  | 66580  | 66585  | 66622  |
|                |                    | S/T    | 0.79            | 0.90   | 1.00   | 1.00   | 1.00   | 0.64            | 0.75   | 0.84   | 0.85   | 0.96   | 0.54            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.57   | 0.66   |
|                |                    | PI     | 3.25            | 3.25   | 3.25   | 3.25   | 3.26   | 3.26            | 3.26   | 3.26   | 3.26   | 3.26   | 3.27            | 3.27   | 3.28   | 3.28   | 3.28   | 3.34            | 3.34   | 3.34   | 3.34   | 3.34   |
|                | 14°F<br>10°C       | TC     | 55347           | 55326  | 55555  | 56041  | 57781  | 58125           | 58092  | 58064  | 58059  | 58029  | 60134           | 60105  | 60059  | 60051  | 60000  | 63915           | 63896  | 63849  | 63835  | 63737  |
|                |                    | S/T    | 0.78            | 0.89   | 0.99   | 1.00   | 1.00   | 0.64            | 0.74   | 0.82   | 0.84   | 0.94   | 0.54            | 0.64   | 0.72   | 0.74   | 0.83   | 0.39            | 0.47   | 0.55   | 0.56   | 0.65   |
|                |                    | PI     | 3.27            | 3.27   | 3.27   | 3.26   | 3.25   | 3.25            | 3.25   | 3.25   | 3.25   | 3.25   | 3.24            | 3.24   | 3.24   | 3.24   | 3.25   | 3.25            | 3.25   | 3.26   | 3.26   | 3.26   |
|                | 17°F<br>10°C       | TC     | 54504           | 54518  | 55186  | 55504  | 57291  | 57241           | 57245  | 57258  | 57259  | 57530  | 59066           | 59089  | 59127  | 59130  | 59145  | 62994           | 62975  | 62982  | 62994  | 63052  |
|                |                    | S/T    | 0.79            | 0.89   | 1.00   | 1.00   | 1.00   | 0.64            | 0.74   | 0.83   | 0.85   | 0.95   | 0.55            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.57   | 0.66   |
|                |                    | PI     | 3.24            | 3.24   | 3.24   | 3.24   | 3.23   | 3.23            | 3.23   | 3.23   | 3.23   | 3.23   | 3.23            | 3.23   | 3.23   | 3.23   | 3.23   | 3.26            | 3.26   | 3.26   | 3.26   | 3.26   |
|                | 23°F<br>5°C        | TC     | 53885           | 53960  | 54838  | 55107  | 56909  | 56651           | 56665  | 56673  | 56674  | 57010  | 58649           | 58647  | 58665  | 58667  | 58677  | 62430           | 62411  | 62413  | 62421  | 62464  |
|                |                    | S/T    | 0.80            | 0.91   | 1.00   | 1.00   | 1.00   | 0.65            | 0.75   | 0.84   | 0.86   | 0.97   | 0.54            | 0.65   | 0.74   | 0.75   | 0.85   | 0.39            | 0.47   | 0.56   | 0.57   | 0.66   |
|                |                    | PI     | 3.10            | 3.10   | 3.10   | 3.10   | 3.12   | 3.11            | 3.12   | 3.12   | 3.12   | 3.12   | 3.13            | 3.13   | 3.14   | 3.14   | 3.14   | 3.19            | 3.19   | 3.19   | 3.19   | 3.19   |
|                | 35°F<br>1.7°C      | TC     | 53391           | 53393  | 53496  | 53556  | 54933  | 55953           | 55945  | 55948  | 55949  | 55950  | 57751           | 57747  | 57741  | 57741  | 57748  | 61096           | 61082  | 61069  | 61077  | 61066  |
|                |                    | S/T    | 0.75            | 0.85   | 0.93   | 0.94   | 1.00   | 0.62            | 0.71   | 0.79   | 0.80   | 0.89   | 0.53            | 0.62   | 0.69   | 0.71   | 0.80   | 0.39            | 0.46   | 0.53   | 0.54   | 0.63   |
|                |                    | PI     | 2.66            | 2.66   | 2.66   | 2.67   | 2.75   | 2.82            | 2.82   | 2.82   | 2.82   | 2.82   | 2.94            | 2.94   | 2.94   | 2.94   | 2.94   | 3.19            | 3.19   | 3.19   | 3.19   | 3.19   |
|                | 41°F<br>5°C        | TC     | 51529           | 51530  | 51673  | 51742  | 53211  | 53989           | 53982  | 53984  | 53985  | 54032  | 55716           | 55710  | 55706  | 55706  | 55713  | 58924           | 58910  | 58898  | 58904  | 58895  |
|                |                    | S/T    | 0.76            | 0.86   | 0.94   | 0.96   | 1.00   | 0.62            | 0.72   | 0.80   | 0.81   | 0.90   | 0.53            | 0.62   | 0.70   | 0.71   | 0.81   | 0.39            | 0.46   | 0.53   | 0.55   | 0.64   |
|                |                    | PI     | 2.51            | 2.51   | 2.52   | 2.52   | 2.61   | 2.66            | 2.66   | 2.66   | 2.66   | 2.66   | 2.78            | 2.78   | 2.78   | 2.78   | 2.78   | 3.03            | 3.03   | 3.03   | 3.03   | 3.03   |
|                | 47°F<br>8.3°C      | TC     | 49660           | 49660  | 49852  | 49938  | 51475  | 52023           | 52016  | 52017  | 52018  | 52096  | 53680           | 53674  | 53670  | 53671  | 53674  | 56761           | 56746  | 56742  | 56740  | 56732  |
|                |                    | S/T    | 0.77            | 0.87   | 0.95   | 0.97   | 1.00   | 0.63            | 0.72   | 0.81   | 0.82   | 0.91   | 0.53            | 0.63   | 0.71   | 0.72   | 0.82   | 0.39            | 0.46   | 0.54   | 0.55   | 0.64   |
|                |                    | PI     | 2.35            | 2.35   | 2.37   | 2.37   | 2.47   | 2.51            | 2.51   | 2.51   | 2.51   | 2.51   | 2.63            | 2.63   | 2.63   | 2.63   | 2.63   | 2.87            | 2.86   | 2.86   | 2.86   | 2.86   |
|                | 50°F<br>10°C       | TC     | 48418           | 49210  | 50853  | 51145  | 53104  | 51263           | 51294  | 51460  | 51526  | 53166  | 53282           | 53351  | 53382  | 53385  | 53626  | 57120           | 57148  | 57287  | 57303  | 57379  |
|                |                    | S/T    | 0.87            | 1.00   | 1.00   | 1.00   | 1.00   | 0.69            | 0.81   | 0.92   | 0.94   | 1.00   | 0.57            | 0.69   | 0.80   | 0.81   | 0.93   | 0.39            | 0.49   | 0.58   | 0.60   | 0.71   |
|                |                    | PI     | 2.74            | 2.74   | 2.74   | 2.74   | 2.74   | 2.74            | 2.74   | 2.74   | 2.74   | 2.74   | 2.74            | 2.74   | 2.74   | 2.74   | 2.74   | 2.73            | 2.73   | 2.73   | 2.73   | 2.73   |
|                | 59°F<br>15°C       | TC     | 47452           | 48594  | 50305  | 50607  | 52644  | 50348           | 50370  | 50620  | 50717  | 52704  | 52438           | 52494  | 52516  | 52518  | 52865  | 56443           | 56458  | 56569  | 56581  | 56637  |
|                |                    | S/T    | 0.88            | 1.00   | 1.00   | 1.00   | 1.00   | 0.70            | 0.83   | 0.94   | 0.97   | 1.00   | 0.58            | 0.71   | 0.81   | 0.83   | 0.96   | 0.39            | 0.50   | 0.59   | 0.61   | 0.73   |
|                |                    | PI     | 3.05            | 3.05   | 3.06   | 3.06   | 3.07   | 3.06            | 3.06   | 3.06   | 3.06   | 3.07   | 3.07            | 3.07   | 3.07   | 3.07   | 3.07   | 3.09            | 3.09   | 3.09   | 3.09   | 3.09   |
|                | 68°F<br>20°C       | TC     | 46533           | 48034  | 49801  | 50115  | 52223  | 49441           | 49457  | 49844  | 50169  | 52281  | 51593           | 51635  | 51650  | 51651  | 52239  | 55709           | 55728  | 55817  | 55827  | 55867  |
|                |                    | S/T    | 0.91            | 1.00   | 1.00   | 1.00   | 1.00   | 0.72            | 0.85   | 0.97   | 1.00   | 1.00   | 0.59            | 0.72   | 0.84   | 0.86   | 0.99   | 0.40            | 0.50   | 0.61   | 0.62   | 0.75   |
|                |                    | PI     | 3.35            | 3.37   | 3.39   | 3.39   | 3.41   | 3.38            | 3.38   | 3.39   | 3.39   | 3.41   | 3.41            | 3.41   | 3.41   | 3.41   | 3.41   | 3.45            | 3.45   | 3.45   | 3.45   | 3.45   |
|                | 77°F<br>25°C       | TC     | 45528           | 47273  | 49106  | 49432  | 51617  | 48489           | 48512  | 49069  | 49490  | 51677  | 50702           | 50761  | 50784  | 50843  | 51724  | 54913           | 54963  | 55086  | 55100  | 55159  |
|                |                    | S/T    | 0.92            | 1.00   | 1.00   | 1.00   | 1.00   | 0.72            | 0.87   | 0.99   | 1.00   | 1.00   | 0.59            | 0.73   | 0.85   | 0.86   | 1.00   | 0.40            | 0.51   | 0.61   | 0.63   | 0.76   |
|                |                    | PI     | 3.69            | 3.71   | 3.73   | 3.73   | 3.75   | 3.72            | 3.72   | 3.72   | 3.73   | 3.75   | 3.74            | 3.74   | 3.74   | 3.74   | 3.75   | 3.78            | 3.78   | 3.78   | 3.78   | 3.78   |
|                | 82°F<br>27.8°C     | TC     | 45084           | 46995  | 48868  | 49201  | 51439  | 48059           | 48137  | 48927  | 49261  | 51496  | 50308           | 50375  | 50400  | 50479  | 51543  | 54568           | 54638  | 54774  | 54789  | 54855  |
|                |                    | S/T    | 0.94            | 1.00   | 1.00   | 1.00   | 1.00   | 0.73            | 0.87   | 1.00   | 1.00   | 1.00   | 0.60            | 0.74   | 0.86   | 0.87   | 1.00   | 0.40            | 0.51   | 0.62   | 0.63   | 0.76   |
|                |                    | PI     | 3.98            | 3.99   | 4.01   | 4.01   | 4.03   | 4.01            | 4.01   | 4.01   | 4.01   | 4.03   | 4.03            | 4.03   | 4.02   | 4.03   | 4.03   | 4.07            | 4.07   | 4.06   | 4.06   | 4.06   |
|                | 86°F<br>30°C       | TC     | 44836           | 46913  | 48816  | 49153  | 51444  | 47797           | 47897  | 48875  | 49212  | 51484  | 50077           | 50136  | 50215  | 50261  | 51532  | 54382           | 54460  | 54588  | 54602  | 54658  |
|                |                    | S/T    | 0.95            | 1.00   | 1.00   | 1.00   | 1.00   | 0.74            | 0.88   | 1.00   | 1.00   | 1.00   | 0.60            | 0.75   | 0.86   | 0.88   | 1.00   | 0.40            | 0.51   | 0.62   | 0.64   | 0.77   |
|                |                    | PI     | 4.32            | 4.34   | 4.36   | 4.37   | 4.40   | 4.35            | 4.35   | 4.36   | 4.37   | 4.39   | 4.38            | 4.38   | 4.38   | 4.38   | 4.39   | 4.43            | 4.43   | 4.43   | 4.43   | 4.42   |
|                | 95°F<br>35°C       | TC     | 44841           | 44921  | 45885  | 46155  | 47965  | 47709           | 47721  | 47737  | 47739  | 48063  | 49769           | 49774  | 49799  | 49804  | 49826  | 53727           | 53708  | 53713  | 53711  | 53751  |
|                |                    | S/T    | 0.80            | 0.91   | 1.00   | 1.00   | 1.00   | 0.65            | 0.75   | 0.84   | 0.86   | 0.96   | 0.54            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.56   | 0.66   |
|                |                    | PI     | 4.91            | 4.91   | 4.96   | 4.98   | 5.07   |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |

Table 8 – 54K Cooling — 37MBRA + 45MBAA (Continued)

| Airflow<br>CFM | Out-door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|----------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 1806           | -13°F<br>25°C  | TC    | 56296            | 56270            | 57073            | 57310            | 58887            | 58737            | 58688            | 58651            | 58646            | 58597            | 60493            | 60417            | 60360            | 60351            | 60293            | 63808            | 63791            | 63660            | 63636            | 63502            |
|                |                | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.85             | 0.86             | 0.97             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                | PI    | 3.37             | 3.38             | 3.37             | 3.37             | 3.36             | 3.36             | 3.36             | 3.36             | 3.36             | 3.36             | 3.35             | 3.35             | 3.35             | 3.35             | 3.36             | 3.37             | 3.37             | 3.37             | 3.37             | 3.37             |
|                | -4°F<br>20°C   | TC    | 60627            | 60599            | 61463            | 61718            | 63417            | 63255            | 63203            | 63163            | 63157            | 63105            | 65146            | 65064            | 65003            | 64994            | 64931            | 68717            | 68698            | 68557            | 68531            | 68386            |
|                |                | S/T   | 0.80             | 0.92             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.85             | 0.87             | 0.98             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                | PI    | 3.49             | 3.50             | 3.49             | 3.49             | 3.48             | 3.48             | 3.48             | 3.48             | 3.48             | 3.48             | 3.47             | 3.47             | 3.47             | 3.47             | 3.48             | 3.49             | 3.49             | 3.49             | 3.49             | 3.49             |
|                | 0°F<br>17.8°C  | TC    | 62639            | 62602            | 63763            | 64029            | 65788            | 65325            | 65253            | 65202            | 65195            | 65850            | 67245            | 67150            | 67066            | 67056            | 67024            | 70862            | 70845            | 70839            | 70849            | 70895            |
|                |                | S/T   | 0.81             | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                | PI    | 3.53             | 3.53             | 3.52             | 3.52             | 3.52             | 3.52             | 3.52             | 3.52             | 3.52             | 3.52             | 3.53             | 3.53             | 3.53             | 3.53             | 3.53             | 3.57             | 3.56             | 3.57             | 3.57             | 3.57             |
|                | 5°F<br>15°C    | TC    | 64434            | 64656            | 66134            | 66439            | 68487            | 67457            | 67473            | 67478            | 67547            | 68554            | 69613            | 69631            | 69646            | 69648            | 69740            | 73697            | 73674            | 73713            | 73721            | 73753            |
|                |                | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                | PI    | 3.55             | 3.55             | 3.56             | 3.56             | 3.58             | 3.57             | 3.57             | 3.57             | 3.57             | 3.58             | 3.59             | 3.59             | 3.59             | 3.59             | 3.60             | 3.67             | 3.67             | 3.67             | 3.67             | 3.67             |
|                | 14°F<br>10°C   | TC    | 61438            | 61408            | 62661            | 62955            | 64907            | 64489            | 64432            | 64388            | 64381            | 64983            | 66698            | 66614            | 66547            | 66536            | 66469            | 70921            | 70899            | 70763            | 70739            | 70588            |
|                |                | S/T   | 0.81             | 0.93             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.86             | 0.87             | 1.00             | 0.55             | 0.66             | 0.75             | 0.76             | 0.87             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                | PI    | 3.57             | 3.58             | 3.57             | 3.57             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.57             | 3.57             | 3.58             | 3.58             | 3.58             |
|                | 17°F<br>10°C   | TC    | 60301            | 60498            | 61896            | 62198            | 64218            | 63303            | 63329            | 63340            | 63394            | 64287            | 65463            | 65488            | 65514            | 65517            | 65598            | 69622            | 69603            | 69592            | 69605            | 69663            |
|                |                | S/T   | 0.82             | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                | PI    | 3.55             | 3.55             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.55             | 3.55             | 3.55             | 3.55             | 3.55             | 3.58             | 3.58             | 3.58             | 3.58             | 3.58             |
|                | 23°F<br>5°C    | TC    | 59770            | 60027            | 61580            | 61884            | 63924            | 62797            | 62816            | 62823            | 62905            | 63992            | 64963            | 64985            | 65002            | 65004            | 65109            | 69075            | 69054            | 69103            | 69112            | 69152            |
|                |                | S/T   | 0.83             | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                | PI    | 3.39             | 3.39             | 3.41             | 3.41             | 3.43             | 3.42             | 3.42             | 3.42             | 3.42             | 3.43             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.50             | 3.50             | 3.51             | 3.51             | 3.51             |
|                | 35°F<br>1.7°C  | TC    | 59267            | 59269            | 59617            | 59784            | 61712            | 62037            | 62035            | 62040            | 62041            | 62206            | 63980            | 63975            | 63978            | 63980            | 63986            | 67582            | 67566            | 67563            | 67560            | 67565            |
|                |                | S/T   | 0.78             | 0.88             | 0.97             | 0.99             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.63             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                | PI    | 2.91             | 2.91             | 2.93             | 2.94             | 3.07             | 3.09             | 3.09             | 3.09             | 3.09             | 3.10             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.50             | 3.50             | 3.50             | 3.50             | 3.50             |
|                | 41°F<br>5°C    | TC    | 57196            | 57197            | 57652            | 58053            | 59769            | 59857            | 59855            | 59858            | 59858            | 60069            | 61724            | 61720            | 61723            | 61724            | 61728            | 65187            | 65171            | 65167            | 65164            | 65171            |
|                |                | S/T   | 0.78             | 0.89             | 0.98             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                | PI    | 2.74             | 2.74             | 2.77             | 2.80             | 2.91             | 2.92             | 2.92             | 2.92             | 2.92             | 2.93             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.33             | 3.32             | 3.32             | 3.32             | 3.32             |
|                | 47°F<br>8.3°C  | TC    | 55122            | 55159            | 55898            | 56148            | 57809            | 57678            | 57676            | 57677            | 57676            | 57944            | 59469            | 59464            | 59468            | 59467            | 59467            | 62798            | 62783            | 62777            | 62775            | 62781            |
|                |                | S/T   | 0.79             | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.67             |
|                |                | PI    | 2.58             | 2.59             | 2.63             | 2.65             | 2.76             | 2.75             | 2.75             | 2.75             | 2.75             | 2.77             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             |
|                | 50°F<br>10°C   | TC    | 53787            | 55268            | 57133            | 57464            | 59692            | 56823            | 56855            | 57248            | 57428            | 59748            | 59040            | 59117            | 59148            | 59152            | 59720            | 63110            | 63276            | 63439            | 63458            | 63538            |
|                |                | S/T   | 0.90             | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.85             | 0.96             | 0.99             | 1.00             | 0.59             | 0.72             | 0.83             | 0.85             | 0.99             | 0.40             | 0.50             | 0.60             | 0.62             | 0.74             |
|                |                | PI    | 3.01             | 3.01             | 3.01             | 3.01             | 3.00             | 3.01             | 3.01             | 3.01             | 3.01             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             |
|                | 59°F<br>15°C   | TC    | 52746            | 54596            | 56534            | 56878            | 59193            | 55808            | 55884            | 56518            | 56939            | 59251            | 58110            | 58169            | 58189            | 58274            | 59300            | 62398            | 62523            | 62648            | 62662            | 62714            |
|                |                | S/T   | 0.92             | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.86             | 1.00             | 1.00             | 1.00             | 0.60             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                | PI    | 3.35             | 3.36             | 3.36             | 3.36             | 3.37             | 3.36             | 3.36             | 3.36             | 3.36             | 3.37             | 3.37             | 3.37             | 3.37             | 3.37             | 3.37             | 3.40             | 3.39             | 3.39             | 3.39             | 3.39             |
|                | 68°F<br>20°C   | TC    | 51686            | 53893            | 55891            | 56247            | 58633            | 54718            | 54842            | 55952            | 56307            | 58691            | 57084            | 57127            | 57229            | 57280            | 58740            | 61508            | 61622            | 61719            | 61729            | 61761            |
|                |                | S/T   | 0.95             | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.89             | 1.00             | 1.00             | 1.00             | 0.61             | 0.75             | 0.87             | 0.89             | 1.00             | 0.40             | 0.51             | 0.63             | 0.65             | 0.78             |
|                |                | PI    | 3.68             | 3.70             | 3.72             | 3.73             | 3.75             | 3.71             | 3.71             | 3.72             | 3.73             | 3.75             | 3.74             | 3.74             | 3.74             | 3.74             | 3.75             | 3.79             | 3.79             | 3.79             | 3.78             | 3.78             |
|                | 77°F<br>25°C   | TC    | 50593            | 53028            | 55104            | 55471            | 57950            | 53635            | 53805            | 55164            | 55533            | 58008            | 56064            | 56127            | 56270            | 56333            | 58057            | 60551            | 60735            | 60875            | 60890            | 60947            |
|                |                | S/T   | 0.97             | 1.00             | 1.00             | 1.00             | 1.00             | 0.75             | 0.90             | 1.00             | 1.00             | 1.00             | 0.61             | 0.76             | 0.88             | 0.90             | 1.00             | 0.40             | 0.52             | 0.63             | 0.65             | 0.79             |
|                |                | PI    | 4.05             | 4.08             | 4.09             | 4.10             | 4.12             | 4.08             | 4.08             | 4.09             | 4.10             | 4.12             | 4.11             | 4.10             | 4.10             | 4.10             | 4.12             | 4.16             | 4.15             | 4.15             | 4.15             | 4.14             |
|                | 82°F<br>27.8°C | TC    | 50137            | 52697            | 54822            | 55194            | 57721            | 53130            | 53335            | 54870            | 55256            | 57782            | 55601            | 55671            | 55845            | 55913            | 57833            | 60117            | 60343            | 60500            | 60516            | 60582            |
|                |                | S/T   | 0.99             | 1.00             | 1.00             | 1.00             | 1.00             | 0.76             | 0.91             | 1.00             | 1.00             | 1.00             | 0.62             | 0.77             | 0.89             | 0.92             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.80             |
|                |                | PI    | 4.37             | 4.39             | 4.41             | 4.41             | 4.43             | 4.39             | 4.40             | 4.41             | 4.41             | 4.43             | 4.42             | 4.42             | 4.42             | 4.42             | 4.43             | 4.47             | 4.46             | 4.46             | 4.46             | 4.46             |
|                | 86°F<br>30°C   | TC    | 50131            | 52634            | 54787            | 55168            | 57738            | 52868            | 53111            | 54847            | 55231            | 57798            | 55373            | 55436            | 55640            | 55720            | 57847            | 59947            | 60179            | 60322            | 60336            | 60393            |
|                |                | S/T   | 1.00             | 1.00             | 1.00             | 1.00             | 1.00             | 0.77             | 0.93             | 1.00             | 1.00             | 1.00             | 0.62             | 0.78             | 0.91             | 0.93             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.81             |
|                |                | PI    | 4.74             | 4.77             | 4.79             | 4.80             | 4.82             | 4.78             | 4.78             | 4.79             | 4.80             | 4.82             | 4.81             | 4.80             | 4.80             | 4.81             | 4.82             | 4.87             | 4.86             | 4.86             | 4.86             | 4.85             |
|                | 95°F<br>35°C   | TC    | 49742            | 50010            | 51626            | 51932            | 53985            | 52865            | 52896            | 52912            | 52975            | 54053            | 55133            | 55145            | 55179            | 55184            | 55276            | 59409            | 59386            | 59398            | 59415            | 59495            |
|                |                | S/T   | 0.83             | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                | PI    | 5.38             | 5.39             | 5.48             | 5.50             | 5.61             | 5.55             | 5.55             | 5.55             | 5.55             | 5.61             | 5.68             | 5.68             | 5.68             | 5.68             | 5.68             | 5.91             | 5.91             | 5.91             | 5.91             | 5.91             |
|                | 104°F<br>40°C  | TC    | 42359            | 42747            | 44356            | 44623            | 46402            | 45027            | 45053            | 45132            | 45181            | 46460            | 46949            | 4                |                  |                  |                  |                  |                  |                  |                  |                  |

Table 9 – 36K Cooling — 37MBRA + 45MBCA

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 753            | -13°F<br>25°C      | TC    | 30054            | 30050            | 30046            | 30045            | 30040            | 31453            | 31445            | 31440            | 31439            | 31433            | 32436            | 32429            | 32428            | 32420            | 34305            | 34296            | 34288            | 34287            | 34276            |                  |
|                |                    | S/T   | 0.72             | 0.80             | 0.87             | 0.88             | 0.97             | 0.59             | 0.67             | 0.74             | 0.76             | 0.83             | 0.51             | 0.59             | 0.66             | 0.67             | 0.75             | 0.38             | 0.46             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 1.89             | 1.89             | 1.89             | 1.89             | 1.89             | 1.87             | 1.87             | 1.87             | 1.87             | 1.87             | 1.86             | 1.86             | 1.86             | 1.86             | 1.86             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             |
|                | -4°F<br>20°C       | TC    | 32366            | 32361            | 32357            | 32356            | 32351            | 33872            | 33864            | 33858            | 33857            | 33851            | 34940            | 34932            | 34923            | 34922            | 34914            | 36944            | 36934            | 36926            | 36924            | 36912            |
|                |                    | S/T   | 0.72             | 0.80             | 0.88             | 0.89             | 0.97             | 0.60             | 0.68             | 0.75             | 0.76             | 0.84             | 0.52             | 0.59             | 0.66             | 0.67             | 0.75             | 0.39             | 0.47             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.94             | 1.94             | 1.94             | 1.94             | 1.94             | 1.93             | 1.93             | 1.93             | 1.93             | 1.93             | 1.92             | 1.92             | 1.92             | 1.92             | 1.92             |
|                | 0°F<br>17.8°C      | TC    | 33419            | 33412            | 33407            | 33406            | 33397            | 34959            | 34952            | 34944            | 34943            | 34934            | 36050            | 36040            | 36032            | 36031            | 36020            | 38084            | 38074            | 38067            | 38065            | 38050            |
|                |                    | S/T   | 0.72             | 0.81             | 0.88             | 0.90             | 0.98             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 1.97             | 1.97             | 1.97             | 1.97             | 1.98             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             |
|                | 5°F<br>15°C        | TC    | 34467            | 34467            | 34467            | 34467            | 34982            | 36189            | 36182            | 36181            | 36181            | 36185            | 37426            | 37424            | 37418            | 37417            | 37420            | 39798            | 39788            | 39779            | 39777            | 39777            |
|                |                    | S/T   | 0.73             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.86             | 0.52             | 0.60             | 0.67             | 0.68             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.00             | 2.00             | 2.00             | 2.00             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 2.02             | 2.02             | 2.02             | 2.02             | 2.02             |
|                | 14°F<br>10°C       | TC    | 33458            | 33454            | 33449            | 33449            | 33612            | 35215            | 35206            | 35200            | 35199            | 35193            | 36470            | 36461            | 36451            | 36451            | 36443            | 38853            | 38842            | 38832            | 38830            | 38818            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 0.99             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.66             | 0.68             | 0.76             | 0.39             | 0.47             | 0.51             | 0.53             | 0.60             |
|                |                    | PI    | 2.24             | 2.24             | 2.24             | 2.24             | 2.23             | 2.22             | 2.22             | 2.22             | 2.22             | 2.22             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             |
|                | 17°F<br>10°C       | TC    | 33149            | 33142            | 33137            | 33136            | 33614            | 34888            | 34879            | 34872            | 34871            | 34871            | 36136            | 36135            | 36129            | 36128            | 36134            | 38576            | 38565            | 38556            | 38554            | 38556            |
|                |                    | S/T   | 0.73             | 0.82             | 0.89             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.30             | 2.30             | 2.30             | 2.30             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             |
|                | 23°F<br>5°C        | TC    | 32522            | 32523            | 32523            | 32545            | 33139            | 34272            | 34266            | 34265            | 34266            | 34270            | 35532            | 35529            | 35524            | 35524            | 35527            | 37954            | 37943            | 37934            | 37932            | 37933            |
|                |                    | S/T   | 0.74             | 0.83             | 0.90             | 0.91             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             |
|                | 35°F<br>1.7°C      | TC    | 31534            | 31531            | 31530            | 31529            | 31572            | 33167            | 33164            | 33161            | 33160            | 33157            | 34322            | 34315            | 34314            | 34313            | 34308            | 36484            | 36476            | 36469            | 36467            | 36466            |
|                |                    | S/T   | 0.70             | 0.78             | 0.85             | 0.86             | 0.93             | 0.59             | 0.66             | 0.72             | 0.74             | 0.81             | 0.51             | 0.58             | 0.64             | 0.65             | 0.73             | 0.39             | 0.46             | 0.50             | 0.51             | 0.58             |
|                |                    | PI    | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.41             | 2.41             | 2.41             | 2.41             | 2.41             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             |
|                | 41°F<br>5°C        | TC    | 30947            | 30943            | 30941            | 30941            | 31013            | 32537            | 32534            | 32529            | 32529            | 32526            | 33661            | 33654            | 33652            | 33651            | 33645            | 35767            | 35759            | 35752            | 35751            | 35748            |
|                |                    | S/T   | 0.71             | 0.79             | 0.86             | 0.87             | 0.95             | 0.59             | 0.67             | 0.73             | 0.74             | 0.82             | 0.51             | 0.59             | 0.65             | 0.66             | 0.73             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.11             | 2.11             | 2.11             | 2.11             | 2.12             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.55             | 2.55             | 2.55             | 2.55             | 2.55             |
|                | 47°F<br>8.3°C      | TC    | 30353            | 30349            | 30348            | 30347            | 30453            | 31902            | 31899            | 31894            | 31894            | 31892            | 32999            | 32992            | 32989            | 32989            | 32984            | 35048            | 35040            | 35034            | 35032            | 35029            |
|                |                    | S/T   | 0.71             | 0.80             | 0.87             | 0.88             | 0.96             | 0.59             | 0.67             | 0.74             | 0.75             | 0.83             | 0.51             | 0.59             | 0.65             | 0.66             | 0.74             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 1.95             | 1.95             | 1.95             | 1.95             | 1.96             | 2.08             | 2.08             | 2.08             | 2.08             | 2.08             | 2.18             | 2.17             | 2.17             | 2.17             | 2.17             | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             |
|                | 50°F<br>10°C       | TC    | 29912            | 29917            | 30192            | 30437            | 31567            | 31722            | 31728            | 31737            | 31739            | 31856            | 33034            | 33037            | 33052            | 33055            | 33068            | 35578            | 35565            | 35570            | 35567            | 35599            |
|                |                    | S/T   | 0.79             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             |
|                | 59°F<br>15°C       | TC    | 29936            | 29982            | 30572            | 30751            | 31953            | 31840            | 31847            | 31853            | 31854            | 32049            | 33233            | 33225            | 33239            | 33241            | 33250            | 35905            | 35890            | 35893            | 35892            | 35918            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 2.30             | 2.30             | 2.30             | 2.30             | 2.31             | 2.31             | 2.31             | 2.31             | 2.31             | 2.31             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.33             | 2.33             | 2.33             | 2.33             | 2.33             |
|                | 68°F<br>20°C       | TC    | 29977            | 30075            | 30924            | 31114            | 32386            | 31968            | 31974            | 31978            | 31978            | 32362            | 33420            | 33413            | 33426            | 33427            | 33434            | 36215            | 36199            | 36200            | 36199            | 36227            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.39             | 2.39             | 2.40             | 2.40             | 2.41             | 2.41             | 2.41             | 2.41             | 2.41             | 2.41             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.46             | 2.46             | 2.46             | 2.46             | 2.46             |
|                | 77°F<br>25°C       | TC    | 29967            | 30116            | 31149            | 31352            | 32702            | 32064            | 32075            | 32082            | 32113            | 32749            | 33597            | 33595            | 33613            | 33615            | 33655            | 36547            | 36531            | 36535            | 36536            | 36578            |
|                |                    | S/T   | 0.83             | 0.96             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.55             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 2.50             | 2.50             | 2.51             | 2.51             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             |
|                | 82°F<br>27.8°C     | TC    | 29843            | 30036            | 31188            | 31395            | 32782            | 31985            | 32001            | 32028            | 32056            | 32829            | 33553            | 33556            | 33575            | 33577            | 33635            | 36573            | 36555            | 36562            | 36565            | 36614            |
|                |                    | S/T   | 0.84             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.88             | 0.90             | 1.00             | 0.56             | 0.67             | 0.77             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 2.69             | 2.70             | 2.71             | 2.71             | 2.72             | 2.72             | 2.71             | 2.72             | 2.72             | 2.72             | 2.73             | 2.73             | 2.73             | 2.73             | 2.73             | 2.76             | 2.76             | 2.76             | 2.76             | 2.76             |
|                | 86°F<br>30°C       | TC    | 29600            | 29859            | 31103            | 31313            | 32721            | 31764            | 31778            | 31822            | 31853            | 32768            | 33344            | 33348            | 33366            | 33368            | 33443            | 36388            | 36370            | 36377            | 36385            | 36430            |
|                |                    | S/T   | 0.85             | 0.98             | 1.00             | 1.00             | 1.00             | 0.67             | 0.80             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.01             | 3.02             | 3.03             | 3.03             | 3.05             | 3.04             | 3.04             | 3.04             | 3.04             | 3.05             | 3.06             | 3.06             | 3.06             | 3.06             | 3.06             | 3.09             | 3.09             | 3.09             | 3.09             | 3.09             |
|                | 95°F<br>35°C       | TC    | 29505            | 29504            | 29506            | 29540            | 30296            | 31480            | 31473            | 31471            | 31471            | 31477            | 32905            | 32902            | 32895            | 32895            | 32895            | 35658            | 35646            | 35636            | 35635            | 35634            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.87             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 3.61             | 3.60             | 3.60             | 3.61             | 3.65             | 3.72             | 3.72             | 3.72             | 3.72             | 3.72             | 3.80             |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 9 – 36K Cooling — 37MBRA + 45MBCA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    | TC    | 32162           | 32155            | 32149            | 32148            | 32808            | 33610            | 33601            | 33592            | 33590            | 33579            | 34636            | 34625            | 34613            | 34611            | 34595            | 36562            | 36552            | 36538            | 36537            | 36513            |
| -13°F<br>25°C  | S/T                | 0.75  | 0.84            | 0.92             | 0.93             | 1.00             | 0.61             | 0.70             | 0.78             | 0.79             | 0.88             | 0.52             | 0.61             | 0.69             | 0.70             | 0.79             | 0.38             | 0.46             | 0.53             | 0.54             | 0.62             |                  |
|                | PI                 | 1.95  | 1.95            | 1.95             | 1.95             | 1.94             | 1.93             | 1.94             | 1.94             | 1.94             | 1.94             | 1.93             | 1.93             | 1.93             | 1.93             | 1.93             | 1.93             | 1.93             | 1.93             | 1.93             | 1.93             |                  |
|                | TC                 | 34636 | 34629           | 34622            | 34621            | 35332            | 36196            | 36185            | 36175            | 36174            | 36162            | 37301            | 37289            | 37276            | 37273            | 37257            | 39374            | 39364            | 39348            | 39347            | 39322            |                  |
| -4°F<br>20°C   | S/T                | 0.75  | 0.84            | 0.92             | 0.94             | 1.00             | 0.61             | 0.71             | 0.78             | 0.79             | 0.88             | 0.53             | 0.61             | 0.69             | 0.70             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 2.02  | 2.02            | 2.02             | 2.02             | 2.01             | 2.00             | 2.00             | 2.00             | 2.00             | 2.01             | 2.00             | 2.00             | 2.00             | 2.00             | 2.00             | 2.00             | 2.00             | 2.00             | 2.00             | 2.00             |                  |
|                | TC                 | 35769 | 35758           | 35751            | 35749            | 36640            | 37364            | 37350            | 37336            | 37334            | 37318            | 38491            | 38476            | 38459            | 38456            | 38432            | 40587            | 40578            | 40574            | 40571            | 40577            |                  |
| 0°F<br>17.8°C  | S/T                | 0.75  | 0.85            | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 2.04  | 2.04            | 2.04             | 2.04             | 2.03             | 2.03             | 2.03             | 2.03             | 2.03             | 2.03             | 2.03             | 2.03             | 2.03             | 2.03             | 2.03             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             |                  |
|                | TC                 | 36856 | 36859           | 36975            | 37027            | 38110            | 38651            | 38649            | 38655            | 38656            | 38702            | 39937            | 39936            | 39938            | 39940            | 39947            | 42392            | 42381            | 42381            | 42380            | 42382            |                  |
| 5°F<br>15°C    | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 2.06  | 2.06            | 2.06             | 2.06             | 2.06             | 2.06             | 2.06             | 2.06             | 2.06             | 2.06             | 2.07             | 2.07             | 2.07             | 2.07             | 2.07             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             |                  |
|                | TC                 | 35798 | 35790           | 35783            | 35781            | 36798            | 37626            | 37615            | 37604            | 37602            | 37590            | 38933            | 38920            | 38907            | 38904            | 38886            | 41418            | 41406            | 41390            | 41388            | 41361            |                  |
| 14°F<br>10°C   | S/T                | 0.75  | 0.85            | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 2.31  | 2.31            | 2.31             | 2.31             | 2.31             | 2.30             | 2.30             | 2.30             | 2.30             | 2.30             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             |                  |
|                | TC                 | 35442 | 35431           | 35524            | 35574            | 36640            | 37253            | 37240            | 37248            | 37250            | 37289            | 38557            | 38557            | 38563            | 38566            | 38577            | 41087            | 41075            | 41079            | 41076            | 41086            |                  |
| 17°F<br>10°C   | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 2.38  | 2.38            | 2.38             | 2.38             | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             |                  |
|                | TC                 | 34778 | 34782           | 34923            | 34985            | 36135            | 36603            | 36602            | 36609            | 36610            | 36668            | 37914            | 37913            | 37917            | 37919            | 37927            | 40426            | 40414            | 40416            | 40414            | 40420            |                  |
| 23°F<br>5°C    | S/T                | 0.77  | 0.87            | 0.95             | 0.97             | 1.00             | 0.62             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 2.42  | 2.42            | 2.42             | 2.42             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.45             | 2.45             | 2.45             | 2.45             | 2.45             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             |                  |
|                | TC                 | 33776 | 33774           | 33774            | 33774            | 34209            | 35456            | 35449            | 35446            | 35446            | 35448            | 36634            | 36631            | 36625            | 36625            | 36623            | 38836            | 38827            | 38820            | 38818            | 38816            |                  |
| 35°F<br>1.7°C  | S/T                | 0.73  | 0.81            | 0.89             | 0.90             | 1.00             | 0.60             | 0.68             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |                  |
|                | PI                 | 2.36  | 2.36            | 2.36             | 2.36             | 2.39             | 2.49             | 2.49             | 2.49             | 2.49             | 2.49             | 2.60             | 2.60             | 2.60             | 2.60             | 2.60             | 2.83             | 2.82             | 2.82             | 2.82             | 2.82             |                  |
|                | TC                 | 33059 | 33138           | 33139            | 33148            | 33694            | 34777            | 34771            | 34768            | 34769            | 34769            | 35927            | 35924            | 35918            | 35918            | 35916            | 38073            | 38064            | 38056            | 38055            | 38052            |                  |
| 41°F<br>5°C    | S/T                | 0.74  | 0.82            | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.45             | 0.52             | 0.53             | 0.61             |                  |
|                | PI                 | 2.18  | 2.19            | 2.19             | 2.19             | 2.23             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.65             | 2.65             | 2.64             | 2.64             | 2.64             |                  |
|                | TC                 | 32502 | 32500           | 32500            | 32532            | 33172            | 34097            | 34091            | 34088            | 34088            | 34089            | 35221            | 35217            | 35212            | 35211            | 35210            | 37313            | 37304            | 37297            | 37296            | 37293            |                  |
| 47°F<br>8.3°C  | S/T                | 0.74  | 0.83            | 0.91             | 0.92             | 1.00             | 0.61             | 0.70             | 0.77             | 0.78             | 0.87             | 0.52             | 0.61             | 0.68             | 0.69             | 0.78             | 0.39             | 0.45             | 0.52             | 0.53             | 0.62             |                  |
|                | PI                 | 2.02  | 2.02            | 2.02             | 2.02             | 2.08             | 2.16             | 2.16             | 2.16             | 2.16             | 2.16             | 2.26             | 2.26             | 2.26             | 2.26             | 2.26             | 2.46             | 2.46             | 2.46             | 2.46             | 2.46             |                  |
|                | TC                 | 31966 | 32101           | 33007            | 33195            | 34449            | 33863            | 33884            | 33893            | 33928            | 34493            | 35238            | 35257            | 35278            | 35281            | 35332            | 37862            | 37848            | 37892            | 37902            | 37953            |                  |
| 50°F<br>10°C   | S/T                | 0.83  | 0.95            | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |                  |
|                | PI                 | 2.29  | 2.29            | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             |                  |
|                | TC                 | 31993 | 32222           | 33361            | 33560            | 34894            | 33995            | 34011            | 34063            | 34094            | 34938            | 35442            | 35460            | 35478            | 35480            | 35566            | 38225            | 38209            | 38246            | 38255            | 38295            |                  |
| 59°F<br>15°C   | S/T                | 0.85  | 0.97            | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |                  |
|                | PI                 | 2.38  | 2.39            | 2.39             | 2.39             | 2.40             | 2.40             | 2.40             | 2.40             | 2.40             | 2.40             | 2.40             | 2.40             | 2.40             | 2.40             | 2.40             | 2.42             | 2.42             | 2.42             | 2.42             | 2.42             |                  |
|                | TC                 | 32037 | 32575           | 33759            | 33969            | 35380            | 34134            | 34146            | 34241            | 34283            | 35425            | 35647            | 35666            | 35677            | 35679            | 35817            | 38563            | 38546            | 38583            | 38591            | 38622            |                  |
| 68°F<br>20°C   | S/T                | 0.87  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.91             | 0.93             | 1.00             | 0.57             | 0.69             | 0.79             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |                  |
|                | PI                 | 2.48  | 2.48            | 2.50             | 2.50             | 2.51             | 2.50             | 2.50             | 2.50             | 2.50             | 2.51             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             | 2.55             | 2.55             | 2.55             | 2.55             | 2.55             |                  |
|                | TC                 | 32025 | 32772           | 34028            | 34251            | 35749            | 34239            | 34256            | 34387            | 34443            | 35795            | 35828            | 35859            | 35877            | 35879            | 36064            | 38901            | 38883            | 38945            | 38955            | 38999            |                  |
| 77°F<br>25°C   | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.82             | 0.93             | 0.95             | 1.00             | 0.57             | 0.70             | 0.80             | 0.82             | 0.94             | 0.39             | 0.49             | 0.59             | 0.60             | 0.72             |                  |
|                | PI                 | 2.59  | 2.60            | 2.61             | 2.61             | 2.63             | 2.61             | 2.61             | 2.61             | 2.61             | 2.63             | 2.63             | 2.63             | 2.63             | 2.63             | 2.63             | 2.66             | 2.66             | 2.65             | 2.65             | 2.65             |                  |
|                | TC                 | 31918 | 32785           | 34076            | 34305            | 35844            | 34155            | 34174            | 34339            | 34406            | 35892            | 35779            | 35818            | 35836            | 35839            | 36065            | 38921            | 38928            | 38978            | 38988            | 39039            |                  |
| 82°F<br>27.8°C | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.96             | 1.00             | 0.58             | 0.70             | 0.81             | 0.83             | 0.96             | 0.39             | 0.49             | 0.59             | 0.61             | 0.72             |                  |
|                | PI                 | 2.79  | 2.80            | 2.81             | 2.82             | 2.83             | 2.82             | 2.82             | 2.82             | 2.82             | 2.83             | 2.83             | 2.83             | 2.83             | 2.83             | 2.83             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             |                  |
|                | TC                 | 31680 | 32680           | 33990            | 34221            | 35782            | 33922            | 33939            | 34142            | 34232            | 35830            | 35559            | 35596            | 35613            | 35616            | 35891            | 38728            | 38730            | 38787            | 38797            | 38843            |                  |
| 86°F<br>30°C   | S/T                | 0.90  | 1.00            | 1.00             | 1.00             | 1.00             | 0.71             | 0.84             | 0.96             | 0.98             | 1.00             | 0.58             | 0.71             | 0.82             | 0.84             | 0.97             | 0.39             | 0.50             | 0.60             | 0.61             | 0.73             |                  |
|                | PI                 | 3.13  | 3.14            | 3.15             | 3.16             | 3.17             | 3.15             | 3.15             | 3.15             | 3.16             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             | 3.21             | 3.21             | 3.21             | 3.21             | 3.21             |                  |
|                | TC                 | 31565 | 31572           | 31745            | 31827            | 33139            | 33628            | 33625            | 33633            | 33635            | 33695            | 35113            | 35112            | 35111            | 35112            | 35128            | 37974            | 37961            | 37950            | 37967            | 37957            |                  |
| 95°F<br>35°C   | S/T                | 0.77  | 0.87            | 0.96             | 0.98             | 1.00             | 0.63             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 3.74  | 3.74            | 3.75             | 3.75             | 3.82             | 3.85             | 3.85             | 3.85             | 3.85             | 3.86             | 3.94             | 3.94             | 3.94             | 3.94             | 3.94             | 4.10             | 4.10             | 4.10             | 4.10             | 4.10             |                  |
|                | TC                 | 25745 | 25749           | 26014            | 26253            | 27288            | 27424            | 27423            | 27431            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 9 – 36K Cooling — 37MBRA + 45MBCA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |        |        |        |        | 64.4°F (16.0°C) |        |        |        |        | 67.0°F (19.4°C) |        |        |        |        | 71.6°F (22.0°C) |        |        |        |        |        |
|----------------|--------------------|-------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|--------|
|                |                    |       | ID DB           | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F |
|                |                    |       |                 | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C |
| 947            | -13°F<br>25°C      | TC    | 34402           | 34390  | 34380  | 34580  | 35598  | 35917           | 35897  | 35881  | 35878  | 35853  | 36989           | 36969  | 36945  | 36941  | 36915  | 39018           | 39008  | 38979  | 38969  | 38911  |        |
|                |                    | S/T   | 0.77            | 0.88   | 0.97   | 1.00   | 1.00   | 0.63            | 0.73   | 0.81   | 0.83   | 0.93   | 0.54            | 0.63   | 0.71   | 0.73   | 0.83   | 0.39            | 0.46   | 0.54   | 0.56   | 0.65   |        |
|                |                    | PI    | 2.04            | 2.04   | 2.04   | 2.04   | 2.03   | 2.02            | 2.02   | 2.02   | 2.02   | 2.02   | 2.02            | 2.02   | 2.02   | 2.02   | 2.02   | 2.03            | 2.03   | 2.03   | 2.03   | 2.03   |        |
|                | -4°F<br>20°C       | TC    | 37048           | 37035  | 37025  | 37240  | 38336  | 38679           | 38658  | 38641  | 38638  | 38611  | 39834           | 39813  | 39787  | 39782  | 39755  | 42020           | 42009  | 41977  | 41967  | 41904  |        |
|                |                    | S/T   | 0.78            | 0.88   | 0.97   | 1.00   | 1.00   | 0.63            | 0.73   | 0.82   | 0.83   | 0.93   | 0.54            | 0.64   | 0.72   | 0.73   | 0.83   | 0.39            | 0.47   | 0.55   | 0.56   | 0.65   |        |
|                |                    | PI    | 2.11            | 2.11   | 2.11   | 2.11   | 2.10   | 2.09            | 2.10   | 2.10   | 2.10   | 2.10   | 2.09            | 2.09   | 2.09   | 2.09   | 2.09   | 2.10            | 2.10   | 2.10   | 2.10   | 2.10   |        |
|                | 0°F<br>17.8°C      | TC    | 38271           | 38254  | 38402  | 38695  | 39767  | 39940           | 39909  | 39886  | 39882  | 39876  | 41111           | 41087  | 41050  | 41044  | 41007  | 43326           | 43314  | 43316  | 43321  | 43353  |        |
|                |                    | S/T   | 0.78            | 0.89   | 0.99   | 1.00   | 1.00   | 0.64            | 0.74   | 0.83   | 0.84   | 0.95   | 0.54            | 0.64   | 0.73   | 0.74   | 0.84   | 0.39            | 0.47   | 0.55   | 0.57   | 0.66   |        |
|                |                    | PI    | 2.13            | 2.13   | 2.13   | 2.13   | 2.12   | 2.12            | 2.12   | 2.12   | 2.12   | 2.12   | 2.12            | 2.12   | 2.12   | 2.12   | 2.12   | 2.14            | 2.14   | 2.14   | 2.14   | 2.14   |        |
|                | 5°F<br>15°C        | TC    | 39396           | 39432  | 39964  | 40147  | 41374  | 41270           | 41278  | 41283  | 41284  | 41487  | 42621           | 42617  | 42629  | 42630  | 42635  | 45167           | 45154  | 45154  | 45158  | 45183  |        |
|                |                    | S/T   | 0.79            | 0.90   | 1.00   | 1.00   | 1.00   | 0.64            | 0.75   | 0.84   | 0.85   | 0.96   | 0.54            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.57   | 0.66   |        |
|                |                    | PI    | 2.15            | 2.15   | 2.15   | 2.15   | 2.15   | 2.15            | 2.15   | 2.15   | 2.15   | 2.15   | 2.16            | 2.16   | 2.16   | 2.16   | 2.16   | 2.21            | 2.21   | 2.21   | 2.21   | 2.21   |        |
|                | 14°F<br>10°C       | TC    | 38269           | 38255  | 38414  | 38749  | 39952  | 40190           | 40167  | 40148  | 40145  | 40124  | 41579           | 41560  | 41527  | 41522  | 41487  | 44194           | 44180  | 44148  | 44138  | 44071  |        |
|                |                    | S/T   | 0.78            | 0.89   | 0.99   | 1.00   | 1.00   | 0.64            | 0.74   | 0.82   | 0.84   | 0.94   | 0.54            | 0.64   | 0.72   | 0.74   | 0.83   | 0.39            | 0.47   | 0.55   | 0.56   | 0.65   |        |
|                |                    | PI    | 2.42            | 2.42   | 2.42   | 2.42   | 2.41   | 2.41            | 2.41   | 2.41   | 2.41   | 2.41   | 2.40            | 2.40   | 2.40   | 2.40   | 2.40   | 2.41            | 2.41   | 2.41   | 2.41   | 2.41   |        |
|                | 17°F<br>10°C       | TC    | 37942           | 37952  | 38417  | 38638  | 39882  | 39847           | 39851  | 39859  | 39860  | 40049  | 41118           | 41134  | 41160  | 41163  | 41173  | 43853           | 43839  | 43844  | 43852  | 43893  |        |
|                |                    | S/T   | 0.79            | 0.89   | 1.00   | 1.00   | 1.00   | 0.64            | 0.74   | 0.83   | 0.85   | 0.95   | 0.55            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.57   | 0.66   |        |
|                |                    | PI    | 2.48            | 2.48   | 2.48   | 2.48   | 2.48   | 2.48            | 2.48   | 2.48   | 2.48   | 2.48   | 2.48            | 2.48   | 2.48   | 2.48   | 2.48   | 2.50            | 2.50   | 2.50   | 2.50   | 2.50   |        |
|                | 23°F<br>5°C        | TC    | 37174           | 37225  | 37831  | 38017  | 39259  | 39082           | 39092  | 39097  | 39098  | 39329  | 40460           | 40458  | 40471  | 40473  | 40479  | 43068           | 43055  | 43057  | 43062  | 43092  |        |
|                |                    | S/T   | 0.80            | 0.91   | 1.00   | 1.00   | 1.00   | 0.65            | 0.75   | 0.84   | 0.86   | 0.97   | 0.54            | 0.65   | 0.74   | 0.75   | 0.85   | 0.39            | 0.47   | 0.56   | 0.57   | 0.66   |        |
|                |                    | PI    | 2.53            | 2.53   | 2.53   | 2.54   | 2.55   | 2.54            | 2.54   | 2.55   | 2.55   | 2.55   | 2.56            | 2.56   | 2.56   | 2.56   | 2.56   | 2.61            | 2.60   | 2.61   | 2.61   | 2.61   |        |
|                | 35°F<br>1.7°C      | TC    | 36147           | 36148  | 36218  | 36259  | 37191  | 37882           | 37877  | 37878  | 37879  | 37880  | 39099           | 39096  | 39092  | 39092  | 39097  | 41363           | 41354  | 41345  | 41351  | 41343  |        |
|                |                    | S/T   | 0.75            | 0.85   | 0.93   | 0.94   | 1.00   | 0.62            | 0.71   | 0.79   | 0.80   | 0.89   | 0.53            | 0.62   | 0.69   | 0.71   | 0.80   | 0.39            | 0.46   | 0.53   | 0.54   | 0.63   |        |
|                |                    | PI    | 2.46            | 2.46   | 2.47   | 2.47   | 2.55   | 2.61            | 2.61   | 2.61   | 2.61   | 2.61   | 2.72            | 2.72   | 2.72   | 2.72   | 2.72   | 2.96            | 2.96   | 2.96   | 2.96   | 2.96   |        |
|                | 41°F<br>5°C        | TC    | 35463           | 35464  | 35562  | 35610  | 36621  | 37156           | 37152  | 37153  | 37154  | 37186  | 38345           | 38341  | 38338  | 38338  | 38343  | 40553           | 40543  | 40535  | 40539  | 40533  |        |
|                |                    | S/T   | 0.76            | 0.86   | 0.94   | 0.96   | 1.00   | 0.62            | 0.72   | 0.80   | 0.81   | 0.90   | 0.53            | 0.62   | 0.70   | 0.71   | 0.81   | 0.39            | 0.46   | 0.53   | 0.55   | 0.64   |        |
|                |                    | PI    | 2.29            | 2.29   | 2.30   | 2.31   | 2.38   | 2.43            | 2.43   | 2.43   | 2.43   | 2.43   | 2.54            | 2.54   | 2.54   | 2.54   | 2.54   | 2.77            | 2.77   | 2.77   | 2.77   | 2.77   |        |
|                | 47°F<br>8.3°C      | TC    | 34775           | 34776  | 34909  | 34970  | 36046  | 36430           | 36425  | 36426  | 36426  | 36481  | 37590           | 37586  | 37583  | 37584  | 37586  | 39747           | 39737  | 39735  | 39733  | 39727  |        |
|                |                    | S/T   | 0.77            | 0.87   | 0.95   | 0.97   | 1.00   | 0.63            | 0.72   | 0.81   | 0.82   | 0.91   | 0.53            | 0.63   | 0.71   | 0.72   | 0.82   | 0.39            | 0.46   | 0.54   | 0.55   | 0.64   |        |
|                |                    | PI    | 2.12            | 2.12   | 2.13   | 2.13   | 2.22   | 2.26            | 2.26   | 2.26   | 2.26   | 2.26   | 2.36            | 2.36   | 2.36   | 2.36   | 2.36   | 2.58            | 2.58   | 2.58   | 2.57   | 2.57   |        |
|                | 50°F<br>10°C       | TC    | 34153           | 34712  | 35871  | 36076  | 37459  | 36160           | 36182  | 36299  | 36346  | 37502  | 37584           | 37632  | 37654  | 37657  | 37827  | 40292           | 40311  | 40409  | 40420  | 40474  |        |
|                |                    | S/T   | 0.87            | 1.00   | 1.00   | 1.00   | 1.00   | 0.69            | 0.81   | 0.92   | 0.94   | 1.00   | 0.57            | 0.69   | 0.80   | 0.81   | 0.93   | 0.39            | 0.49   | 0.58   | 0.60   | 0.71   |        |
|                |                    | PI    | 2.40            | 2.40   | 2.40   | 2.40   | 2.40   | 2.40            | 2.40   | 2.40   | 2.40   | 2.40   | 2.40            | 2.40   | 2.40   | 2.40   | 2.40   | 2.40            | 2.40   | 2.40   | 2.40   | 2.40   |        |
|                | 59°F<br>15°C       | TC    | 34216           | 35040  | 36273  | 36491  | 37960  | 36304           | 36320  | 36500  | 36571  | 38003  | 37812           | 37852  | 37867  | 37869  | 38119  | 40699           | 40710  | 40790  | 40799  | 40839  |        |
|                |                    | S/T   | 0.88            | 1.00   | 1.00   | 1.00   | 1.00   | 0.70            | 0.83   | 0.94   | 0.97   | 1.00   | 0.58            | 0.71   | 0.81   | 0.83   | 0.96   | 0.39            | 0.50   | 0.59   | 0.61   | 0.73   |        |
|                |                    | PI    | 2.50            | 2.50   | 2.51   | 2.51   | 2.52   | 2.51            | 2.51   | 2.51   | 2.51   | 2.52   | 2.52            | 2.52   | 2.52   | 2.52   | 2.52   | 2.53            | 2.53   | 2.53   | 2.53   | 2.53   |        |
|                | 68°F<br>20°C       | TC    | 34308           | 35414  | 36717  | 36949  | 38503  | 36452           | 36463  | 36749  | 36989  | 38546  | 38038           | 38070  | 38080  | 38081  | 38515  | 41073           | 41087  | 41153  | 41160  | 41190  |        |
|                |                    | S/T   | 0.91            | 1.00   | 1.00   | 1.00   | 1.00   | 0.72            | 0.85   | 0.97   | 1.00   | 1.00   | 0.59            | 0.72   | 0.84   | 0.86   | 0.99   | 0.40            | 0.50   | 0.61   | 0.62   | 0.75   |        |
|                |                    | PI    | 2.59            | 2.61   | 2.62   | 2.62   | 2.64   | 2.62            | 2.62   | 2.62   | 2.62   | 2.64   | 2.64            | 2.63   | 2.63   | 2.63   | 2.64   | 2.67            | 2.67   | 2.67   | 2.67   | 2.67   |        |
|                | 77°F<br>25°C       | TC    | 34330           | 35645  | 37028  | 37274  | 38921  | 36563           | 36580  | 37000  | 37318  | 38967  | 38232           | 38276  | 38293  | 38338  | 39002  | 41407           | 41444  | 41537  | 41547  | 41592  |        |
|                |                    | S/T   | 0.92            | 1.00   | 1.00   | 1.00   | 1.00   | 0.72            | 0.87   | 0.99   | 1.00   | 1.00   | 0.59            | 0.73   | 0.85   | 0.86   | 1.00   | 0.40            | 0.51   | 0.61   | 0.63   | 0.76   |        |
|                |                    | PI    | 2.72            | 2.73   | 2.74   | 2.74   | 2.76   | 2.74            | 2.74   | 2.74   | 2.74   | 2.76   | 2.75            | 2.75   | 2.75   | 2.75   | 2.76   | 2.78            | 2.78   | 2.78   | 2.78   | 2.78   |        |
|                | 82°F<br>27.8°C     | TC    | 34215           | 35666  | 37087  | 37340  | 39038  | 36474           | 36533  | 37133  | 37385  | 39082  | 38180           | 38231  | 38250  | 38310  | 39118  | 41413           | 41466  | 41570  | 41581  | 41631  |        |
|                |                    | S/T   | 0.94            | 1.00   | 1.00   | 1.00   | 1.00   | 0.73            | 0.87   | 1.00   | 1.00   | 1.00   | 0.60            | 0.74   | 0.86   | 0.87   | 1.00   | 0.40            | 0.51   | 0.62   | 0.63   | 0.76   |        |
|                |                    | PI    | 2.93            | 2.94   | 2.95   | 2.96   | 2.97   | 2.95            | 2.95   | 2.95   | 2.96   | 2.97   | 2.96            | 2.96   | 2.96   | 2.96   | 2.97   | 3.00            | 3.00   | 2.99   | 2.99   | 2.99   |        |
|                | 86°F<br>30°C       | TC    | 33940           | 35512  | 36953  | 37208  | 38942  | 36181           | 36257  | 36997  | 37252  | 38972  | 37907           | 37952  | 38012  | 38046  | 39009  | 41166           | 41225  | 41322  | 41332  | 41375  |        |
|                |                    | S/T   | 0.95            | 1.00   | 1.00   | 1.00   | 1.00   | 0.74            | 0.88   | 1.00   | 1.00   | 1.00   | 0.60            | 0.75   | 0.86   | 0.88   | 1.00   | 0.40            | 0.51   | 0.62   | 0.64   | 0.77   |        |
|                |                    | PI    | 3.28            | 3.29   | 3.31   | 3.31   | 3.33   | 3.30            | 3.30   | 3.31   | 3.31   | 3.33   | 3.32            | 3.32   | 3.32   | 3.32   | 3.33   | 3.36            | 3.36   | 3.36   | 3.36   | 3.36   |        |
|                | 95°F<br>35°C       | TC    | 33744           | 33804  | 34530  | 34733  | 36095  | 35903           | 35911  | 35924  | 35925  | 36169  | 37453           | 37457  | 37476  | 37479  | 37495  | 40431           | 40417  | 40421  | 40419  | 40449  |        |
|                |                    | S/T   | 0.80            | 0.91   | 1.00   | 1.00   | 1.00   | 0.65            | 0.75   | 0.84   | 0.86   | 0.96   | 0.54            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.56   | 0.66   |        |
|                |                    | PI    | 3.91            | 3.92   | 3.96   | 3.97   | 4.04   | 4.04            | 4.04   | 4.04   | 4.04   | 4.05   | 4.12            | 4.12   | 4.12   | 4.12   | 4.12   | 4.30            | 4.30   | 4.30   | 4.30   | 4.30   |        |
|                | 104°F<br>40        |       |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |        |

Table 9 – 36K Cooling — 37MBRA + 45MBCA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
| 1041           | -13°F<br>25°C      | TC    | 36779           | 36762            | 37286            | 37441            | 38471            | 38373            | 38341            | 38317            | 38314            | 38282            | 39520            | 39471            | 39433            | 39428            | 39390            | 41686            | 41675            | 41589            | 41574            | 41486            |
|                |                    | S/T   | 0.80            | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.85             | 0.86             | 0.97             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.15            | 2.15             | 2.14             | 2.14             | 2.14             | 2.14             | 2.14             | 2.14             | 2.14             | 2.14             | 2.13             | 2.13             | 2.13             | 2.13             | 2.14             | 2.15             | 2.15             | 2.15             | 2.15             | 2.15             |
|                | -4°F<br>20°C       | TC    | 39608           | 39590            | 40154            | 40321            | 41430            | 41325            | 41291            | 41265            | 41261            | 41227            | 42560            | 42507            | 42467            | 42461            | 42420            | 44893            | 44881            | 44789            | 44772            | 44677            |
|                |                    | S/T   | 0.80            | 0.92             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.85             | 0.87             | 0.98             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.22            | 2.23             | 2.22             | 2.22             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.22             | 2.22             | 2.22             | 2.22             | 2.22             |
|                | 0°F<br>17.8°C      | TC    | 40922           | 40898            | 41657            | 41831            | 42980            | 42677            | 42630            | 42597            | 42592            | 43020            | 43932            | 43869            | 43815            | 43808            | 43787            | 46294            | 46283            | 46280            | 46286            | 46316            |
|                |                    | S/T   | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 2.24            | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.25             | 2.25             | 2.27             | 2.27             | 2.27             | 2.27             |
|                | 5°F<br>15°C        | TC    | 42095           | 42240            | 43206            | 43405            | 44743            | 44070            | 44081            | 44084            | 44129            | 44787            | 45479            | 45491            | 45500            | 45501            | 45562            | 48147            | 48132            | 48157            | 48162            | 48183            |
|                |                    | S/T   | 0.82            | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 2.26            | 2.26             | 2.27             | 2.27             | 2.28             | 2.27             | 2.27             | 2.27             | 2.27             | 2.28             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             |
|                | 14°F<br>10°C       | TC    | 40922           | 40902            | 41736            | 41932            | 43232            | 42954            | 42916            | 42887            | 42882            | 43283            | 44425            | 44370            | 44325            | 44318            | 44273            | 47238            | 47224            | 47133            | 47117            | 47016            |
|                |                    | S/T   | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.86             | 0.87             | 1.00             | 0.55             | 0.66             | 0.75             | 0.76             | 0.87             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.55            | 2.55             | 2.55             | 2.55             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.55             | 2.55             | 2.55             | 2.55             | 2.55             |
|                | 17°F<br>10°C       | TC    | 40437           | 40569            | 41507            | 41709            | 43064            | 42450            | 42468            | 42476            | 42511            | 43110            | 43899            | 43915            | 43933            | 43935            | 43989            | 46688            | 46675            | 46668            | 46676            | 46715            |
|                |                    | S/T   | 0.82            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 2.62            | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             | 2.64             | 2.64             | 2.64             | 2.64             | 2.65             |
|                | 23°F<br>5°C        | TC    | 39720           | 39891            | 40923            | 41125            | 42480            | 41732            | 41744            | 41749            | 41804            | 42526            | 43171            | 43186            | 43197            | 43198            | 43268            | 45904            | 45890            | 45922            | 45929            | 45955            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 2.67            | 2.67             | 2.68             | 2.68             | 2.70             | 2.69             | 2.69             | 2.69             | 2.69             | 2.70             | 2.71             | 2.71             | 2.71             | 2.71             | 2.71             | 2.76             | 2.76             | 2.76             | 2.76             | 2.76             |
|                | 35°F<br>1.7°C      | TC    | 38653           | 38654            | 38881            | 38990            | 40247            | 40459            | 40458            | 40461            | 40462            | 40569            | 41726            | 41723            | 41725            | 41726            | 41731            | 44076            | 44065            | 44063            | 44061            | 44065            |
|                |                    | S/T   | 0.78            | 0.88             | 0.97             | 0.99             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.63             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 2.60            | 2.60             | 2.62             | 2.63             | 2.74             | 2.76             | 2.76             | 2.76             | 2.76             | 2.77             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             |
|                | 41°F<br>5°C        | TC    | 37919           | 37920            | 38221            | 38487            | 39625            | 39683            | 39682            | 39684            | 39684            | 39823            | 40921            | 40918            | 40920            | 40921            | 40923            | 43217            | 43206            | 43203            | 43201            | 43206            |
|                |                    | S/T   | 0.78            | 0.89             | 0.98             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 2.42            | 2.42             | 2.44             | 2.46             | 2.56             | 2.57             | 2.57             | 2.57             | 2.57             | 2.58             | 2.69             | 2.69             | 2.69             | 2.69             | 2.69             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             |
|                | 47°F<br>8.3°C      | TC    | 37183           | 37208            | 37707            | 37876            | 38996            | 38907            | 38906            | 38907            | 38906            | 39087            | 40116            | 40112            | 40115            | 40114            | 40114            | 42362            | 42351            | 42347            | 42346            | 42350            |
|                |                    | S/T   | 0.79            | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.67             |
|                |                    | PI    | 2.24            | 2.24             | 2.28             | 2.30             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.40             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             |
|                | 50°F<br>10°C       | TC    | 36548           | 37554            | 38821            | 39046            | 40560            | 38611            | 38632            | 38899            | 39022            | 40599            | 40117            | 40170            | 40191            | 40193            | 40579            | 42883            | 42996            | 43106            | 43119            | 43173            |
|                |                    | S/T   | 0.90            | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.85             | 0.96             | 0.99             | 1.00             | 0.59             | 0.72             | 0.83             | 0.85             | 0.99             | 0.40             | 0.50             | 0.60             | 0.62             | 0.74             |
|                |                    | PI    | 2.54            | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.53             | 2.53             | 2.53             | 2.53             |
|                | 59°F<br>15°C       | TC    | 36637           | 37923            | 39269            | 39508            | 41115            | 38764            | 38817            | 39257            | 39550            | 41156            | 40363            | 40404            | 40418            | 40477            | 41190            | 43342            | 43429            | 43515            | 43525            | 43561            |
|                |                    | S/T   | 0.92            | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.86             | 1.00             | 1.00             | 1.00             | 0.60             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                    | PI    | 2.64            | 2.65             | 2.66             | 2.66             | 2.66             | 2.65             | 2.65             | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             |
|                | 68°F<br>20°C       | TC    | 36709           | 38276            | 39695            | 39947            | 41642            | 38862            | 38950            | 39738            | 39991            | 41684            | 40542            | 40573            | 40645            | 40681            | 41718            | 43684            | 43765            | 43834            | 43841            | 43864            |
|                |                    | S/T   | 0.95            | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.89             | 1.00             | 1.00             | 1.00             | 0.61             | 0.75             | 0.87             | 0.89             | 1.00             | 0.40             | 0.51             | 0.63             | 0.65             | 0.78             |
|                |                    | PI    | 2.74            | 2.76             | 2.77             | 2.78             | 2.79             | 2.77             | 2.77             | 2.77             | 2.78             | 2.79             | 2.79             | 2.78             | 2.78             | 2.78             | 2.79             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             |
|                | 77°F<br>25°C       | TC    | 36749           | 38518            | 40026            | 40292            | 42093            | 38958            | 39082            | 40069            | 40337            | 42135            | 40723            | 40769            | 40873            | 40918            | 42170            | 43983            | 44116            | 44218            | 44229            | 44270            |
|                |                    | S/T   | 0.97            | 1.00             | 1.00             | 1.00             | 1.00             | 0.75             | 0.90             | 1.00             | 1.00             | 1.00             | 0.61             | 0.76             | 0.88             | 0.90             | 1.00             | 0.40             | 0.52             | 0.63             | 0.65             | 0.79             |
|                |                    | PI    | 2.87            | 2.89             | 2.90             | 2.90             | 2.92             | 2.89             | 2.89             | 2.90             | 2.90             | 2.92             | 2.91             | 2.91             | 2.91             | 2.91             | 2.92             | 2.94             | 2.94             | 2.94             | 2.94             | 2.94             |
|                | 82°F<br>27.8°C     | TC    | 36654           | 38525            | 40079            | 40351            | 42199            | 38842            | 38992            | 40114            | 40396            | 42243            | 40649            | 40700            | 40827            | 40877            | 42280            | 43950            | 44115            | 44230            | 44242            | 44290            |
|                |                    | S/T   | 0.99            | 1.00             | 1.00             | 1.00             | 1.00             | 0.76             | 0.91             | 1.00             | 1.00             | 1.00             | 0.62             | 0.77             | 0.89             | 0.92             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.80             |
|                |                    | PI    | 3.10            | 3.11             | 3.13             | 3.13             | 3.14             | 3.12             | 3.12             | 3.13             | 3.13             | 3.14             | 3.13             | 3.13             | 3.13             | 3.13             | 3.14             | 3.17             | 3.17             | 3.16             | 3.16             | 3.16             |
|                | 86°F<br>30°C       | TC    | 36555           | 38380            | 39950            | 40229            | 42102            | 38551            | 38728            | 39994            | 40275            | 42146            | 40378            | 40424            | 40572            | 40631            | 42182            | 43713            | 43882            | 43986            | 43997            | 44038            |
|                |                    | S/T   | 1.00            | 1.00             | 1.00             | 1.00             | 1.00             | 0.77             | 0.93             | 1.00             | 1.00             | 1.00             | 0.62             | 0.78             | 0.91             | 0.93             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.81             |
|                |                    | PI    | 3.47            | 3.49             | 3.50             | 3.51             | 3.53             | 3.49             | 3.49             | 3.50             | 3.51             | 3.53             | 3.51             | 3.51             | 3.51             | 3.51             | 3.53             | 3.56             | 3.55             | 3.55             | 3.55             | 3.55             |
|                | 95°F<br>35°C       | TC    | 36058           | 36253            | 37425            | 37646            | 39134            | 38323            | 38345            | 38357            | 38402            | 39184            | 39967            | 39975            | 40000            | 40004            | 40070            | 43066            | 43050            | 43059            | 43071            | 43129            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 4.13            | 4.14             | 4.21             | 4.22             | 4.31             | 4.26             | 4.26             | 4.26             | 4.27             | 4.31             | 4.36             | 4.36             | 4.36             | 4.36             | 4.37             | 4.54             | 4.54             | 4.54             | 4.54             | 4.54             |
|                | 104°F<br>40°C      | TC    | 29408           | 29678            | 30795            | 30980            | 32215            | 3                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 10 – 48K Cooling — 37MBRA + 45MBCA

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 800            | -13°F<br>25°C      | TC    | 39621            | 39615            | 39610            | 39610            | 39602            | 41465            | 41455            | 41448            | 41447            | 41439            | 42773            | 42762            | 42752            | 42750            | 42741            | 45226            | 45214            | 45203            | 45201            | 45187            |
|                |                    | S/T   | 0.72             | 0.80             | 0.87             | 0.88             | 0.97             | 0.59             | 0.67             | 0.74             | 0.76             | 0.83             | 0.51             | 0.59             | 0.66             | 0.67             | 0.75             | 0.38             | 0.46             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.31             | 2.31             | 2.31             | 2.31             | 2.31             | 2.28             | 2.28             | 2.28             | 2.28             | 2.29             | 2.27             | 2.27             | 2.27             | 2.27             | 2.27             | 2.26             | 2.26             | 2.26             | 2.26             | 2.26             |
|                | -4°F<br>20°C       | TC    | 42669            | 42663            | 42657            | 42656            | 42649            | 44655            | 44643            | 44636            | 44635            | 44626            | 46063            | 46051            | 46041            | 46039            | 46029            | 48704            | 48692            | 48680            | 48678            | 48663            |
|                |                    | S/T   | 0.72             | 0.80             | 0.88             | 0.89             | 0.97             | 0.60             | 0.68             | 0.75             | 0.76             | 0.84             | 0.52             | 0.59             | 0.66             | 0.67             | 0.75             | 0.39             | 0.47             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             |
|                | 0°F<br>17.8°C      | TC    | 44057            | 44049            | 44042            | 44041            | 44028            | 46088            | 46079            | 46068            | 46067            | 46055            | 47526            | 47513            | 47502            | 47501            | 47486            | 50207            | 50194            | 50185            | 50183            | 50163            |
|                |                    | S/T   | 0.72             | 0.81             | 0.88             | 0.90             | 0.98             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 2.41             | 2.41             | 2.41             | 2.41             | 2.41             | 2.39             | 2.39             | 2.40             | 2.40             | 2.40             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             |
|                | 5°F<br>15°C        | TC    | 45439            | 45439            | 45439            | 45439            | 46118            | 47708            | 47700            | 47698            | 47699            | 47703            | 49340            | 49337            | 49329            | 49328            | 49332            | 52467            | 52453            | 52441            | 52439            | 52439            |
|                |                    | S/T   | 0.73             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.86             | 0.52             | 0.60             | 0.67             | 0.68             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.44             | 2.44             | 2.44             | 2.44             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.44             | 2.46             | 2.46             | 2.46             | 2.46             | 2.46             |
|                | 14°F<br>10°C       | TC    | 46881            | 46875            | 46869            | 46868            | 47097            | 49343            | 49330            | 49322            | 49321            | 49312            | 51101            | 51089            | 51076            | 51074            | 51063            | 54440            | 54425            | 54412            | 54409            | 54392            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 0.99             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.66             | 0.68             | 0.76             | 0.39             | 0.47             | 0.51             | 0.53             | 0.60             |
|                |                    | PI    | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.76             | 2.76             | 2.76             | 2.76             | 2.76             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             |
|                | 17°F<br>10°C       | TC    | 47396            | 47387            | 47379            | 47378            | 48061            | 49882            | 49870            | 49860            | 49858            | 49859            | 51667            | 51665            | 51658            | 51656            | 51664            | 55156            | 55140            | 55127            | 55125            | 55128            |
|                |                    | S/T   | 0.73             | 0.82             | 0.89             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             |
|                | 23°F<br>5°C        | TC    | 47174            | 47176            | 47176            | 47207            | 48068            | 49713            | 49703            | 49703            | 49704            | 49709            | 51540            | 51536            | 51529            | 51528            | 51533            | 55053            | 55037            | 55024            | 55021            | 55022            |
|                |                    | S/T   | 0.74             | 0.83             | 0.90             | 0.91             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.86             | 2.86             | 2.86             | 2.86             | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             |
|                | 35°F<br>1.7°C      | TC    | 47117            | 47113            | 47110            | 47110            | 47174            | 49557            | 49553            | 49547            | 49546            | 49542            | 51283            | 51273            | 51271            | 51269            | 51261            | 54513            | 54500            | 54490            | 54488            | 54486            |
|                |                    | S/T   | 0.70             | 0.78             | 0.85             | 0.86             | 0.93             | 0.59             | 0.66             | 0.72             | 0.74             | 0.81             | 0.51             | 0.58             | 0.64             | 0.65             | 0.73             | 0.39             | 0.46             | 0.50             | 0.51             | 0.58             |
|                |                    | PI    | 2.63             | 2.63             | 2.63             | 2.63             | 2.64             | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.89             | 2.89             | 2.89             | 2.89             | 2.89             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             |
|                | 41°F<br>5°C        | TC    | 46769            | 46763            | 46761            | 46760            | 46870            | 49172            | 49167            | 49161            | 49160            | 49156            | 50871            | 50861            | 50857            | 50856            | 50847            | 54053            | 54042            | 54031            | 54029            | 54025            |
|                |                    | S/T   | 0.71             | 0.79             | 0.86             | 0.87             | 0.95             | 0.59             | 0.67             | 0.73             | 0.74             | 0.82             | 0.51             | 0.59             | 0.65             | 0.66             | 0.73             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 3.08             | 3.08             | 3.08             | 3.08             | 3.08             | 3.36             | 3.35             | 3.35             | 3.35             | 3.35             |
|                | 47°F<br>8.3°C      | TC    | 46412            | 46406            | 46403            | 46403            | 46564            | 48780            | 48775            | 48768            | 48768            | 48764            | 50458            | 50446            | 50443            | 50442            | 50434            | 53591            | 53579            | 53568            | 53567            | 53562            |
|                |                    | S/T   | 0.71             | 0.80             | 0.87             | 0.88             | 0.96             | 0.59             | 0.67             | 0.74             | 0.75             | 0.83             | 0.51             | 0.59             | 0.65             | 0.66             | 0.74             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.93             | 2.93             | 2.93             | 2.93             | 2.94             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             |
|                | 50°F<br>10°C       | TC    | 45063            | 45070            | 45486            | 45855            | 47557            | 47790            | 47800            | 47813            | 47816            | 47991            | 49767            | 49772            | 49794            | 49798            | 49817            | 53600            | 53580            | 53587            | 53584            | 53631            |
|                |                    | S/T   | 0.79             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             |
|                | 59°F<br>15°C       | TC    | 43091            | 43158            | 44007            | 44265            | 45995            | 45832            | 45842            | 45851            | 45852            | 46133            | 47838            | 47826            | 47845            | 47848            | 47862            | 51683            | 51662            | 51666            | 51664            | 51702            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 3.23             | 3.23             | 3.24             | 3.24             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             |
|                | 68°F<br>20°C       | TC    | 41162            | 41296            | 42462            | 42723            | 44470            | 43895            | 43903            | 43909            | 43910            | 44437            | 45889            | 45880            | 45897            | 45899            | 45908            | 49726            | 49705            | 49707            | 49705            | 49743            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 3.21             | 3.21             | 3.22             | 3.22             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.30             | 3.30             | 3.30             | 3.30             | 3.30             |
|                | 77°F<br>25°C       | TC    | 39183            | 39377            | 40728            | 40994            | 42758            | 41924            | 41939            | 41947            | 41988            | 42820            | 43929            | 43925            | 43949            | 43952            | 44005            | 47786            | 47764            | 47770            | 47771            | 47826            |
|                |                    | S/T   | 0.83             | 0.96             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.55             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 3.21             | 3.21             | 3.23             | 3.23             | 3.25             | 3.24             | 3.24             | 3.24             | 3.24             | 3.25             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.29             | 3.29             | 3.29             | 3.29             | 3.29             |
|                | 82°F<br>27.8°C     | TC    | 38272            | 38519            | 39996            | 40261            | 42040            | 41019            | 41039            | 41073            | 41109            | 42101            | 43030            | 43032            | 43057            | 43060            | 43134            | 46902            | 46879            | 46888            | 46892            | 46955            |
|                |                    | S/T   | 0.84             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.88             | 0.90             | 1.00             | 0.56             | 0.67             | 0.77             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.39             | 3.39             | 3.41             | 3.41             | 3.43             | 3.42             | 3.42             | 3.42             | 3.42             | 3.43             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.47             | 3.47             | 3.47             | 3.47             | 3.47             |
|                | 86°F<br>30°C       | TC    | 37778            | 38108            | 39696            | 39964            | 41761            | 40540            | 40558            | 40614            | 40654            | 41822            | 42556            | 42561            | 42584            | 42586            | 42683            | 46441            | 46419            | 46427            | 46437            | 46495            |
|                |                    | S/T   | 0.85             | 0.98             | 1.00             | 1.00             | 1.00             | 0.67             | 0.80             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.75             | 3.75             | 3.77             | 3.77             | 3.79             | 3.78             | 3.78             | 3.78             | 3.78             | 3.79             | 3.81             | 3.80             | 3.80             | 3.80             | 3.80             | 3.85             | 3.85             | 3.85             | 3.85             | 3.85             |
|                | 95°F<br>35°C       | TC    | 37240            | 37239            | 37242            | 37284            | 38239            | 39733            | 39724            | 39721            | 39721            | 39729            | 41532            | 41528            | 41519            | 41518            | 41519            | 45007            | 44991            | 44979            | 44977            | 44976            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.87             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             |                  |                  |

Table 10 – 48K Cooling — 37MBRA + 45MBCA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
|                |                    |       |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 1018           | -13°F<br>25°C      | TC    | 42404           | 42395            | 42387            | 42386            | 43255            | 44313            | 44301            | 44289            | 44287            | 44272            | 45666            | 45652            | 45636            | 45633            | 45612            | 48205            | 48192            | 48173            | 48172            | 48140            |                  |
|                |                    | S/T   | 0.75            | 0.84             | 0.92             | 0.93             | 1.00             | 0.61             | 0.70             | 0.78             | 0.79             | 0.88             | 0.52             | 0.61             | 0.69             | 0.70             | 0.79             | 0.38             | 0.46             | 0.53             | 0.54             | 0.62             |                  |
|                |                    | PI    | 2.39            | 2.39             | 2.39             | 2.39             | 2.38             | 2.36             | 2.36             | 2.37             | 2.37             | 2.37             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             |                  |
|                | -4°F<br>20°C       | TC    | 45666           | 45656            | 45647            | 45646            | 46583            | 47722            | 47708            | 47695            | 47693            | 47678            | 49179            | 49163            | 49146            | 49143            | 49121            | 51913            | 51900            | 51879            | 51877            | 51843            |                  |
|                |                    | S/T   | 0.75            | 0.84             | 0.92             | 0.94             | 1.00             | 0.61             | 0.71             | 0.78             | 0.79             | 0.88             | 0.53             | 0.61             | 0.69             | 0.70             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                |                    | PI    | 2.47            | 2.47             | 2.47             | 2.47             | 2.46             | 2.45             | 2.45             | 2.45             | 2.45             | 2.45             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             |
|                | 0°F<br>17.8°C      | TC    | 47159           | 47146            | 47136            | 47133            | 48309            | 49262            | 49244            | 49226            | 49222            | 49202            | 50749            | 50728            | 50706            | 50702            | 50670            | 53512            | 53500            | 53495            | 53491            | 53498            |                  |
|                |                    | S/T   | 0.75            | 0.85             | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                |                    | PI    | 2.49            | 2.49             | 2.49             | 2.49             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.49             | 2.49             | 2.49             | 2.49             | 2.49             |                  |
|                | 5°F<br>15°C        | TC    | 48593           | 48597            | 48749            | 48818            | 50246            | 50959            | 50957            | 50964            | 50965            | 51026            | 52655            | 52653            | 52657            | 52658            | 52669            | 55892            | 55877            | 55878            | 55875            | 55879            |                  |
|                |                    | S/T   | 0.76            | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                |                    | PI    | 2.51            | 2.52             | 2.51             | 2.51             | 2.51             | 2.51             | 2.52             | 2.52             | 2.52             | 2.52             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.57             | 2.57             | 2.57             | 2.57             | 2.57             |                  |
|                | 14°F<br>10°C       | TC    | 50164           | 50153            | 50143            | 50141            | 51565            | 52726            | 52710            | 52696            | 52693            | 52676            | 54558            | 54540            | 54521            | 54517            | 54492            | 58040            | 58023            | 58000            | 57998            | 57960            |                  |
|                |                    | S/T   | 0.75            | 0.85             | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                |                    | PI    | 2.87            | 2.87             | 2.88             | 2.88             | 2.87             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             |
|                | 17°F<br>10°C       | TC    | 50680           | 50664            | 50797            | 50868            | 52392            | 53269            | 53250            | 53262            | 53264            | 53321            | 55134            | 55134            | 55142            | 55146            | 55163            | 58751            | 58734            | 58740            | 58736            | 58750            |                  |
|                |                    | S/T   | 0.76            | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                |                    | PI    | 2.97            | 2.97             | 2.97             | 2.97             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             |                  |
|                | 23°F<br>5°C        | TC    | 50451           | 50456            | 50661            | 50751            | 52419            | 53099            | 53097            | 53107            | 53108            | 53193            | 55001            | 54999            | 55004            | 55007            | 55019            | 58644            | 58627            | 58629            | 58627            | 58635            |                  |
|                |                    | S/T   | 0.77            | 0.87             | 0.95             | 0.97             | 1.00             | 0.62             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                |                    | PI    | 2.94            | 2.94             | 2.94             | 2.95             | 2.95             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             | 3.02             | 3.02             | 3.02             | 3.02             | 3.02             |                  |
|                | 35°F<br>1.7°C      | TC    | 50472           | 50468            | 50469            | 50469            | 51118            | 52981            | 52972            | 52967            | 52967            | 52970            | 54742            | 54738            | 54729            | 54728            | 54726            | 58033            | 58019            | 58008            | 58006            | 58003            |                  |
|                |                    | S/T   | 0.73            | 0.81             | 0.89             | 0.90             | 1.00             | 0.60             | 0.68             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |                  |
|                |                    | PI    | 2.72            | 2.72             | 2.72             | 2.72             | 2.76             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             |                  |
|                | 41°F<br>5°C        | TC    | 49965           | 50085            | 50086            | 50101            | 50926            | 52563            | 52553            | 52548            | 52549            | 52551            | 54301            | 54296            | 54287            | 54286            | 54284            | 57544            | 57531            | 57519            | 57516            | 57512            |                  |
|                |                    | S/T   | 0.74            | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.45             | 0.52             | 0.53             | 0.61             |                  |
|                |                    | PI    | 2.87            | 2.88             | 2.88             | 2.88             | 2.93             | 3.06             | 3.06             | 3.05             | 3.05             | 3.05             | 3.19             | 3.19             | 3.19             | 3.19             | 3.19             | 3.48             | 3.48             | 3.48             | 3.48             | 3.48             |                  |
|                | 47°F<br>8.3°C      | TC    | 49702           | 49700            | 49699            | 49748            | 50727            | 52141            | 52132            | 52128            | 52128            | 52129            | 53859            | 53854            | 53846            | 53844            | 53844            | 57059            | 57045            | 57034            | 57033            | 57028            |                  |
|                |                    | S/T   | 0.74            | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.70             | 0.77             | 0.78             | 0.87             | 0.52             | 0.61             | 0.68             | 0.69             | 0.78             | 0.39             | 0.45             | 0.52             | 0.53             | 0.62             |                  |
|                |                    | PI    | 3.03            | 3.03             | 3.03             | 3.04             | 3.12             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.39             | 3.38             | 3.38             | 3.38             | 3.38             | 3.69             | 3.69             | 3.69             | 3.69             | 3.69             |                  |
|                | 50°F<br>10°C       | TC    | 48161           | 48366            | 49731            | 50013            | 51904            | 51020            | 51051            | 51065            | 51118            | 51969            | 53091            | 53121            | 53152            | 53156            | 53234            | 57045            | 57024            | 57090            | 57106            | 57183            |                  |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |                  |
|                |                    | PI    | 3.38            | 3.38             | 3.39             | 3.39             | 3.38             | 3.38             | 3.38             | 3.39             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             |                  |
|                | 59°F<br>15°C       | TC    | 46057           | 46386            | 48025            | 48312            | 50232            | 48939            | 48962            | 49036            | 49081            | 50296            | 51022            | 51048            | 51073            | 51075            | 51200            | 55028            | 55004            | 55058            | 55070            | 55128            |                  |
|                |                    | S/T   | 0.85            | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |                  |
|                |                    | PI    | 3.35            | 3.36             | 3.37             | 3.37             | 3.38             | 3.37             | 3.37             | 3.37             | 3.37             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.40             | 3.40             | 3.40             | 3.40             | 3.40             |                  |
|                | 68°F<br>20°C       | TC    | 43994           | 44733            | 46359            | 46648            | 48584            | 46874            | 46891            | 47021            | 47078            | 48647            | 48951            | 48977            | 48993            | 48995            | 49186            | 52955            | 52933            | 52984            | 52994            | 53037            |                  |
|                |                    | S/T   | 0.87            | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.91             | 0.93             | 1.00             | 0.57             | 0.69             | 0.79             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |                  |
|                |                    | PI    | 3.33            | 3.34             | 3.35             | 3.36             | 3.38             | 3.36             | 3.36             | 3.36             | 3.36             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.42             | 3.42             | 3.42             | 3.42             | 3.42             |                  |
|                | 77°F<br>25°C       | TC    | 41877           | 42854            | 44496            | 44788            | 46746            | 44772            | 44793            | 44966            | 45039            | 46806            | 46850            | 46890            | 46913            | 46916            | 47158            | 50869            | 50845            | 50925            | 50938            | 50996            |                  |
|                |                    | S/T   | 0.88            | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.82             | 0.93             | 0.95             | 1.00             | 0.57             | 0.70             | 0.80             | 0.82             | 0.94             | 0.39             | 0.49             | 0.59             | 0.60             | 0.72             |                  |
|                |                    | PI    | 3.33            | 3.34             | 3.36             | 3.36             | 3.38             | 3.36             | 3.36             | 3.36             | 3.36             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.42             | 3.42             | 3.41             | 3.41             | 3.41             |                  |
|                | 82°F<br>27.8°C     | TC    | 40936           | 42048            | 43704            | 43997            | 45971            | 43806            | 43830            | 44041            | 44127            | 46032            | 45888            | 45937            | 45961            | 45964            | 46254            | 49918            | 49927            | 49990            | 50004            | 50069            |                  |
|                |                    | S/T   | 0.88            | 1.00             | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.96             | 1.00             | 0.58             | 0.70             | 0.81             | 0.83             | 0.96             | 0.39             | 0.49             | 0.59             | 0.61             | 0.72             |                  |
|                |                    | PI    | 3.52            | 3.53             | 3.54             | 3.55             | 3.56             | 3.55             | 3.55             | 3.55             | 3.55             | 3.56             | 3.57             | 3.57             | 3.56             | 3.56             | 3.57             | 3.60             | 3.60             | 3.60             | 3.60             | 3.60             |                  |
|                | 86°F<br>30°C       | TC    | 40436           | 41712            | 43385            | 43680            | 45672            | 43298            | 43319            | 43578            | 43693            | 45733            | 45386            | 45434            | 45456            | 45459            | 45811            | 49432            | 49435            | 49507            | 49521            | 49578            |                  |
|                |                    | S/T   | 0.90            | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.84             | 0.96             | 0.98             | 1.00             | 0.58             | 0.71             | 0.82             | 0.84             | 0.97             | 0.39             | 0.50             | 0.60             | 0.61             | 0.73             |                  |
|                |                    | PI    | 3.89            | 3.90             | 3.92             | 3.93             | 3.95             | 3.92             | 3.92             | 3.92             | 3.93             | 3.95             | 3.95             | 3.95             | 3.95             | 3.95             | 3.95             | 3.99             | 3.99             | 3.99             | 3.99             | 3.99             |                  |
|                | 95°F<br>35°C       | TC    | 39844           | 39852            | 40071            | 40174            | 41830            | 42448            | 42443            | 42455            | 42456            | 42532            | 44322            | 44321            | 44319            | 44322            | 44342            | 47934            | 47917            | 47903            | 47925            | 47912            |                  |
|                |                    | S/T   | 0.77            | 0.87             | 0.96             | 0.98             | 1.00             | 0.63             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                |                    | PI    | 4.56            | 4.56             | 4.57             | 4.58             | 4.67             | 4.70             | 4.70             | 4.70             | 4.70             | 4.71             | 4.81             | 4.81             | 4.81             | 4.81             | 4.81             | 5.01             | 5.01             | 5.01             |                  |                  |                  |

Table 10 – 48K Cooling — 37MBRA + 45MBCA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    | TC    | 45361           | 45345            | 45333            | 45596            | 46938            | 47358            | 47332            | 47311            | 47307            | 47275            | 48772            | 48746            | 48714            | 48709            | 48675            | 51448            | 51435            | 51396            | 51384            | 51307            |
| -13°F<br>25°C  | S/T                | 0.77  | 0.88            | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.81             | 0.83             | 0.93             | 0.54             | 0.63             | 0.71             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |                  |
|                | PI                 | 2.49  | 2.49            | 2.49             | 2.49             | 2.48             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             |                  |
|                | TC                 | 48850 | 48833           | 48820            | 49103            | 50549            | 51001            | 50973            | 50950            | 50946            | 50911            | 52523            | 52496            | 52461            | 52455            | 52419            | 55406            | 55391            | 55350            | 55336            | 55254            |                  |
| -4°F<br>20°C   | S/T                | 0.78  | 0.88            | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |                  |
|                | PI                 | 2.58  | 2.58            | 2.58             | 2.58             | 2.57             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             | 2.55             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             | 2.57             | 2.57             | 2.57             |                  |
|                | TC                 | 50462 | 50441           | 50636            | 51022            | 52435            | 52663            | 52623            | 52593            | 52588            | 52579            | 54207            | 54176            | 54127            | 54119            | 54071            | 57129            | 57112            | 57115            | 57121            | 57163            |                  |
| 0°F<br>17.8°C  | S/T                | 0.78  | 0.89            | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.95             | 0.54             | 0.64             | 0.73             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |                  |
|                | PI                 | 2.60  | 2.60            | 2.60             | 2.60             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.60             | 2.60             | 2.60             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             |                  |
|                | TC                 | 51947 | 51994           | 52695            | 52936            | 54555            | 54417            | 54428            | 54434            | 54435            | 54703            | 56198            | 56193            | 56209            | 56210            | 56217            | 59556            | 59538            | 59539            | 59543            | 59576            |                  |
| 5°F<br>15°C    | S/T                | 0.79  | 0.90            | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |                  |
|                | PI                 | 2.62  | 2.62            | 2.62             | 2.62             | 2.63             | 2.63             | 2.63             | 2.63             | 2.63             | 2.63             | 2.64             | 2.64             | 2.64             | 2.64             | 2.64             | 2.70             | 2.69             | 2.70             | 2.70             | 2.70             |                  |
|                | TC                 | 53632 | 53612           | 53834            | 54305            | 55990            | 56325            | 56292            | 56265            | 56261            | 56231            | 58271            | 58243            | 58198            | 58191            | 58142            | 61935            | 61916            | 61871            | 61857            | 61762            |                  |
| 14°F<br>10°C   | S/T                | 0.78  | 0.89            | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |                  |
|                | PI                 | 3.01  | 3.01            | 3.01             | 3.00             | 3.00             | 2.99             | 2.99             | 2.99             | 2.99             | 2.99             | 2.98             | 2.98             | 2.99             | 2.99             | 2.99             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             |                  |
|                | TC                 | 54260 | 54273           | 54938            | 55255            | 57034            | 56984            | 56989            | 57001            | 57002            | 57272            | 58801            | 58824            | 58862            | 58865            | 58879            | 62712            | 62693            | 62699            | 62711            | 62769            |                  |
| 17°F<br>10°C   | S/T                | 0.79  | 0.89            | 1.00             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.85             | 0.95             | 0.55             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |                  |
|                | PI                 | 3.10  | 3.10            | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             |                  |
|                | TC                 | 53931 | 54006           | 54885            | 55154            | 56957            | 56699            | 56714            | 56721            | 56722            | 57058            | 58698            | 58696            | 58715            | 58717            | 58727            | 62482            | 62464            | 62466            | 62474            | 62517            |                  |
| 23°F<br>5°C    | S/T                | 0.80  | 0.91            | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.97             | 0.54             | 0.65             | 0.74             | 0.75             | 0.85             | 0.39             | 0.47             | 0.56             | 0.57             | 0.66             |                  |
|                | PI                 | 3.08  | 3.08            | 3.08             | 3.08             | 3.10             | 3.09             | 3.09             | 3.09             | 3.09             | 3.10             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             |                  |
|                | TC                 | 54020 | 54021           | 54125            | 54186            | 55579            | 56611            | 56604            | 56606            | 56608            | 56609            | 58431            | 58427            | 58420            | 58420            | 58427            | 61815            | 61800            | 61787            | 61796            | 61785            |                  |
| 35°F<br>1.7°C  | S/T                | 0.75  | 0.85            | 0.93             | 0.94             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 2.84  | 2.84            | 2.85             | 2.85             | 2.94             | 3.01             | 3.01             | 3.01             | 3.01             | 3.01             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.42             | 3.42             | 3.42             | 3.42             | 3.42             |                  |
|                | TC                 | 53604 | 53605           | 53754            | 53826            | 55354            | 56163            | 56157            | 56159            | 56159            | 56208            | 57960            | 57954            | 57949            | 57950            | 57956            | 61297            | 61282            | 61270            | 61276            | 61267            |                  |
| 41°F<br>5°C    | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.64             |                  |
|                | PI                 | 3.01  | 3.01            | 3.03             | 3.03             | 3.14             | 3.20             | 3.20             | 3.20             | 3.20             | 3.20             | 3.34             | 3.34             | 3.34             | 3.34             | 3.34             | 3.64             | 3.64             | 3.64             | 3.64             | 3.64             |                  |
|                | TC                 | 53183 | 53183           | 53388            | 53481            | 55127            | 55714            | 55706            | 55708            | 55708            | 55792            | 57488            | 57482            | 57478            | 57478            | 57482            | 60787            | 60772            | 60767            | 60766            | 60757            |                  |
| 47°F<br>8.3°C  | S/T                | 0.77  | 0.87            | 0.95             | 0.97             | 1.00             | 0.63             | 0.72             | 0.81             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.82             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 3.18  | 3.18            | 3.19             | 3.20             | 3.34             | 3.39             | 3.39             | 3.39             | 3.39             | 3.39             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.87             | 3.86             | 3.86             | 3.86             | 3.86             |                  |
|                | TC                 | 51462 | 52303           | 54051            | 54360            | 56443            | 54486            | 54518            | 54695            | 54766            | 56509            | 56632            | 56705            | 56738            | 56741            | 56997            | 60712            | 60741            | 60888            | 60905            | 60986            |                  |
| 50°F<br>10°C   | S/T                | 0.87  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.92             | 0.94             | 1.00             | 0.57             | 0.69             | 0.80             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |                  |
|                | PI                 | 3.55  | 3.55            | 3.55             | 3.54             | 3.54             | 3.54             | 3.54             | 3.55             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             |                  |
|                | TC                 | 49261 | 50447           | 52222            | 52537            | 54650            | 52267            | 52290            | 52549            | 52651            | 54713            | 54437            | 54495            | 54518            | 54520            | 54880            | 58594            | 58610            | 58725            | 58738            | 58796            |                  |
| 59°F<br>15°C   | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.97             | 1.00             | 0.58             | 0.71             | 0.81             | 0.83             | 0.96             | 0.39             | 0.50             | 0.59             | 0.61             | 0.73             |                  |
|                | PI                 | 3.51  | 3.52            | 3.53             | 3.53             | 3.54             | 3.53             | 3.53             | 3.53             | 3.53             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             |                  |
|                | TC                 | 47117 | 48636           | 50426            | 50744            | 52878            | 50061            | 50077            | 50469            | 50798            | 52937            | 52240            | 52283            | 52298            | 52299            | 52895            | 56408            | 56427            | 56517            | 56527            | 56568            |                  |
| 68°F<br>20°C   | S/T                | 0.91  | 1.00            | 1.00             | 1.00             | 1.00             | 0.72             | 0.85             | 0.97             | 1.00             | 1.00             | 0.59             | 0.72             | 0.84             | 0.86             | 0.99             | 0.40             | 0.50             | 0.61             | 0.62             | 0.75             |                  |
|                | PI                 | 3.49  | 3.50            | 3.52             | 3.52             | 3.54             | 3.52             | 3.52             | 3.52             | 3.52             | 3.55             | 3.54             | 3.54             | 3.54             | 3.54             | 3.55             | 3.59             | 3.59             | 3.59             | 3.58             | 3.58             |                  |
|                | TC                 | 44895 | 46615           | 48423            | 48744            | 50899            | 47814            | 47837            | 48387            | 48802            | 50958            | 49997            | 50055            | 50078            | 50136            | 51004            | 54150            | 54199            | 54320            | 54333            | 54392            |                  |
| 77°F<br>25°C   | S/T                | 0.92  | 1.00            | 1.00             | 1.00             | 1.00             | 0.72             | 0.87             | 0.99             | 1.00             | 1.00             | 0.59             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |                  |
|                | PI                 | 3.49  | 3.51            | 3.52             | 3.53             | 3.54             | 3.52             | 3.52             | 3.52             | 3.52             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.55             | 3.58             | 3.58             | 3.58             | 3.58             | 3.57             |                  |
|                | TC                 | 43886 | 45747           | 47570            | 47894            | 50072            | 46783            | 46859            | 47628            | 47952            | 50129            | 48972            | 49037            | 49061            | 49139            | 50174            | 53119            | 53186            | 53319            | 53334            | 53398            |                  |
| 82°F<br>27.8°C | S/T                | 0.94  | 1.00            | 1.00             | 1.00             | 1.00             | 0.73             | 0.87             | 1.00             | 1.00             | 1.00             | 0.60             | 0.74             | 0.86             | 0.87             | 1.00             | 0.40             | 0.51             | 0.62             | 0.63             | 0.76             |                  |
|                | PI                 | 3.69  | 3.70            | 3.72             | 3.72             | 3.74             | 3.71             | 3.71             | 3.72             | 3.72             | 3.74             | 3.73             | 3.73             | 3.73             | 3.73             | 3.74             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             |                  |
|                | TC                 | 43325 | 45331           | 47170            | 47495            | 49709            | 46186            | 46282            | 47227            | 47553            | 49748            | 48389            | 48446            | 48522            | 48566            | 49794            | 52548            | 52624            | 52747            | 52761            | 52815            |                  |
| 86°F<br>30°C   | S/T                | 0.95  | 1.00            | 1.00             | 1.00             | 1.00             | 0.74             | 0.88             | 1.00             | 1.00             | 1.00             | 0.60             | 0.75             | 0.86             | 0.88             | 1.00             | 0.40             | 0.51             | 0.62             | 0.64             | 0.77             |                  |
|                | PI                 | 4.07  | 4.10            | 4.12             | 4.12             | 4.15             | 4.11             | 4.11             | 4.12             | 4.12             | 4.14             | 4.13             | 4.13             | 4.13             | 4.13             | 4.14             | 4.18             | 4.18             | 4.18             | 4.18             | 4.17             |                  |
|                | TC                 | 42598 | 42674           | 43590            | 43847            | 45566            | 45323            | 45334            | 45349            | 45352            | 45659            | 47280            | 47285            | 47309            | 47313            | 47334            | 51040            | 51022            | 51027            | 51025            | 51063            |                  |
| 95°F<br>35°C   | S/T                | 0.80  | 0.91            | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |                  |
|                | PI                 | 4.78  | 4.78            | 4.83             | 4.84             | 4.93             | 4.92             | 4.92             | 4.92             | 4.92             | 4.94             | 5.03             | 5.03             | 5.03             | 5.03             | 5.03             | 5.24             | 5.24             | 5.24             | 5.24             | 5.24             |                  |
|                | TC                 | 37268 | 37401           | 38479            | 38705            | 40240            | 39653            | 39666            | 39676            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 10 – 48K Cooling — 37MBRA + 45MBCA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
| 1235           | -13°F<br>25°C      | TC    |                 | 48499            | 48477            | 49169            | 49372            | 50731            | 50602            | 50560            | 50528            | 50524            | 50482            | 52115            | 52049            | 52000            | 51993            | 51943            | 54971            | 54956            | 54843            | 54823            |
|                |                    | S/T   | 0.80            | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.85             | 0.86             | 0.97             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.62            | 2.63             | 2.62             | 2.62             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             |
|                | -4°F<br>20°C       | TC    | 52230           | 52206            | 52951            | 53170            | 54634            | 54494            | 54449            | 54415            | 54410            | 54365            | 56124            | 56053            | 56000            | 55992            | 55939            | 59200            | 59184            | 59062            | 59040            | 58915            |
|                |                    | S/T   | 0.80            | 0.92             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.85             | 0.87             | 0.98             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.72            | 2.72             | 2.71             | 2.71             | 2.71             | 2.70             | 2.70             | 2.71             | 2.71             | 2.71             | 2.70             | 2.70             | 2.70             | 2.70             | 2.70             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             |
|                | 0°F<br>17.8°C      | TC    | 53963           | 53931            | 54932            | 55161            | 56676            | 56278            | 56215            | 56172            | 56165            | 56730            | 57932            | 57850            | 57778            | 57769            | 57742            | 61047            | 61033            | 61028            | 61036            | 61076            |
|                |                    | S/T   | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 2.74            | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.77             | 2.77             | 2.77             | 2.77             | 2.78             |
|                | 5°F<br>15°C        | TC    | 55510           | 55702            | 56975            | 57238            | 59001            | 58114            | 58128            | 58132            | 58192            | 59060            | 59972            | 59988            | 60000            | 60002            | 60081            | 63490            | 63471            | 63504            | 63511            | 63539            |
|                |                    | S/T   | 0.82            | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 2.76            | 2.76             | 2.77             | 2.77             | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.79             | 2.79             | 2.80             | 2.80             | 2.80             | 2.80             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             |
|                | 14°F<br>10°C       | TC    | 57355           | 57326            | 58496            | 58771            | 60593            | 60203            | 60150            | 60109            | 60102            | 60665            | 62265            | 62187            | 62124            | 62114            | 62051            | 66208            | 66187            | 66060            | 66037            | 65896            |
|                |                    | S/T   | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.86             | 0.87             | 1.00             | 0.55             | 0.66             | 0.75             | 0.76             | 0.87             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 3.17            | 3.17             | 3.17             | 3.16             | 3.16             | 3.16             | 3.16             | 3.16             | 3.16             | 3.16             | 3.15             | 3.16             | 3.16             | 3.16             | 3.16             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             |
|                | 17°F<br>10°C       | TC    | 57833           | 58021            | 59362            | 59652            | 61589            | 60711            | 60737            | 60748            | 60799            | 61655            | 62783            | 62807            | 62832            | 62835            | 62912            | 66772            | 66753            | 66743            | 66756            | 66811            |
|                |                    | S/T   | 0.82            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.27            | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.30             | 3.30             | 3.30             | 3.30             | 3.31             |
|                | 23°F<br>5°C        | TC    | 57631           | 57879            | 59376            | 59669            | 61635            | 60549            | 60567            | 60574            | 60653            | 61701            | 62637            | 62659            | 62675            | 62677            | 62778            | 66602            | 66582            | 66629            | 66638            | 66677            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.25            | 3.25             | 3.26             | 3.26             | 3.28             | 3.27             | 3.27             | 3.27             | 3.27             | 3.28             | 3.29             | 3.29             | 3.29             | 3.29             | 3.29             | 3.35             | 3.35             | 3.35             | 3.35             | 3.36             |
|                | 35°F<br>1.7°C      | TC    | 57769           | 57771            | 58110            | 58273            | 60152            | 60469            | 60467            | 60472            | 60472            | 60633            | 62362            | 62358            | 62361            | 62363            | 62369            | 65874            | 65858            | 65855            | 65852            | 65858            |
|                |                    | S/T   | 0.78            | 0.88             | 0.97             | 0.99             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.63             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 3.00            | 3.00             | 3.03             | 3.04             | 3.16             | 3.18             | 3.18             | 3.18             | 3.18             | 3.20             | 3.32             | 3.32             | 3.32             | 3.32             | 3.32             | 3.61             | 3.61             | 3.61             | 3.61             | 3.61             |
|                | 41°F<br>5°C        | TC    | 57321           | 57322            | 57778            | 58180            | 59900            | 59987            | 59986            | 59989            | 59989            | 60200            | 61859            | 61854            | 61858            | 61859            | 61863            | 65329            | 65313            | 65309            | 65306            | 65313            |
|                |                    | S/T   | 0.78            | 0.89             | 0.98             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 3.18            | 3.18             | 3.21             | 3.24             | 3.37             | 3.38             | 3.38             | 3.38             | 3.38             | 3.40             | 3.53             | 3.53             | 3.53             | 3.53             | 3.54             | 3.85             | 3.85             | 3.85             | 3.85             | 3.85             |
|                | 47°F<br>8.3°C      | TC    | 56871           | 56909            | 57672            | 57930            | 59643            | 59508            | 59506            | 59507            | 59506            | 59782            | 61356            | 61350            | 61355            | 61354            | 61354            | 64791            | 64775            | 64769            | 64766            | 64773            |
|                |                    | S/T   | 0.79            | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.67             |
|                |                    | PI    | 3.36            | 3.36             | 3.42             | 3.45             | 3.59             | 3.58             | 3.58             | 3.58             | 3.58             | 3.60             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 4.08             | 4.08             | 4.08             | 4.08             | 4.08             |
|                | 50°F<br>10°C       | TC    | 55075           | 56591            | 58501            | 58840            | 61121            | 58184            | 58216            | 58619            | 58803            | 61179            | 60454            | 60533            | 60565            | 60568            | 61151            | 64621            | 64792            | 64959            | 64978            | 65059            |
|                |                    | S/T   | 0.90            | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.85             | 0.96             | 0.99             | 1.00             | 0.59             | 0.72             | 0.83             | 0.85             | 0.99             | 0.40             | 0.50             | 0.60             | 0.62             | 0.74             |
|                |                    | PI    | 3.75            | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.74             | 3.74             | 3.74             | 3.74             | 3.74             |
|                | 59°F<br>15°C       | TC    | 52752           | 54602            | 56540            | 56884            | 59199            | 55814            | 55890            | 56524            | 56945            | 59258            | 58116            | 58175            | 58195            | 58280            | 59306            | 62405            | 62530            | 62655            | 62669            | 62721            |
|                |                    | S/T   | 0.92            | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.86             | 1.00             | 1.00             | 1.00             | 0.60             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                    | PI    | 3.72            | 3.73             | 3.74             | 3.74             | 3.75             | 3.73             | 3.73             | 3.74             | 3.74             | 3.75             | 3.75             | 3.74             | 3.74             | 3.74             | 3.75             | 3.77             | 3.77             | 3.77             | 3.77             | 3.76             |
|                | 68°F<br>20°C       | TC    | 50418           | 52571            | 54520            | 54867            | 57195            | 53376            | 53496            | 54579            | 54926            | 57252            | 55683            | 55725            | 55825            | 55874            | 57299            | 59999            | 60110            | 60205            | 60214            | 60246            |
|                |                    | S/T   | 0.95            | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.89             | 1.00             | 1.00             | 1.00             | 0.61             | 0.75             | 0.87             | 0.89             | 1.00             | 0.40             | 0.51             | 0.63             | 0.65             | 0.78             |
|                |                    | PI    | 3.69            | 3.71             | 3.73             | 3.73             | 3.76             | 3.72             | 3.72             | 3.73             | 3.73             | 3.76             | 3.74             | 3.74             | 3.74             | 3.74             | 3.76             | 3.80             | 3.79             | 3.79             | 3.79             | 3.79             |
|                | 77°F<br>25°C       | TC    | 48062           | 50376            | 52348            | 52697            | 55051            | 50952            | 51114            | 52405            | 52755            | 55107            | 53260            | 53320            | 53456            | 53516            | 55153            | 57523            | 57697            | 57831            | 57845            | 57899            |
|                |                    | S/T   | 0.97            | 1.00             | 1.00             | 1.00             | 1.00             | 0.75             | 0.90             | 1.00             | 1.00             | 1.00             | 0.61             | 0.76             | 0.88             | 0.90             | 1.00             | 0.40             | 0.52             | 0.63             | 0.65             | 0.79             |
|                |                    | PI    | 3.69            | 3.71             | 3.73             | 3.73             | 3.75             | 3.72             | 3.72             | 3.73             | 3.73             | 3.75             | 3.74             | 3.74             | 3.74             | 3.74             | 3.75             | 3.79             | 3.78             | 3.78             | 3.78             | 3.78             |
|                | 82°F<br>27.8°C     | TC    | 47018           | 49419            | 51412            | 51760            | 54131            | 49825            | 50017            | 51457            | 51819            | 54188            | 52143            | 52208            | 52371            | 52435            | 54235            | 56377            | 56589            | 56737            | 56752            | 56814            |
|                |                    | S/T   | 0.99            | 1.00             | 1.00             | 1.00             | 1.00             | 0.76             | 0.91             | 1.00             | 1.00             | 1.00             | 0.62             | 0.77             | 0.89             | 0.92             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.80             |
|                |                    | PI    | 3.90            | 3.92             | 3.94             | 3.94             | 3.96             | 3.93             | 3.93             | 3.94             | 3.94             | 3.96             | 3.95             | 3.95             | 3.95             | 3.95             | 3.96             | 3.99             | 3.99             | 3.98             | 3.98             | 3.98             |
|                | 86°F<br>30°C       | TC    | 46667           | 48997            | 51001            | 51357            | 53748            | 49215            | 49441            | 51057            | 51415            | 53804            | 51547            | 51606            | 51795            | 51870            | 53850            | 55805            | 56021            | 56154            | 56167            | 56220            |
|                |                    | S/T   | 1.00            | 1.00             | 1.00             | 1.00             | 1.00             | 0.77             | 0.93             | 1.00             | 1.00             | 1.00             | 0.62             | 0.78             | 0.91             | 0.93             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.81             |
|                |                    | PI    | 4.31            | 4.34             | 4.36             | 4.36             | 4.39             | 4.34             | 4.34             | 4.36             | 4.36             | 4.39             | 4.37             | 4.37             | 4.37             | 4.37             | 4.39             | 4.43             | 4.42             | 4.42             | 4.42             | 4.41             |
|                | 95°F<br>35°C       | TC    | 45524           | 45769            | 47249            | 47529            | 49407            | 48382            | 48410            | 48426            | 48483            | 49469            | 50458            | 50469            | 50500            | 50505            | 50588            | 54371            | 54351            | 54362            | 54377            | 54450            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 5.04            | 5.06             | 5.14             | 5.15             | 5.26             | 5.20             | 5.20             | 5.20             | 5.21             | 5.26             | 5.32             | 5.32             | 5.32             | 5.32             | 5.33             | 5.54             | 5.54             | 5.54             | 5.54             | 5.54             |
|                | 104°F<br>40°C      | TC    | 39831           | 40195            | 41708            | 41959            | 43633</          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 11 – 36K RH High Static Cooling — 37MBRA + 45MBDA

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 765            | -13°F<br>25°C      | TC    | 39621            | 39615            | 39610            | 39610            | 39602            | 41465            | 41455            | 41448            | 41447            | 41439            | 42773            | 42762            | 42752            | 42750            | 42741            | 45226            | 45214            | 45203            | 45201            | 45187            |
|                |                    | S/T   | 0.72             | 0.80             | 0.87             | 0.88             | 0.97             | 0.59             | 0.67             | 0.74             | 0.76             | 0.83             | 0.51             | 0.59             | 0.66             | 0.67             | 0.75             | 0.38             | 0.46             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.31             | 2.31             | 2.31             | 2.31             | 2.31             | 2.28             | 2.28             | 2.28             | 2.28             | 2.29             | 2.27             | 2.27             | 2.27             | 2.27             | 2.27             | 2.26             | 2.26             | 2.26             | 2.26             | 2.26             |
|                | -4°F<br>20°C       | TC    | 42669            | 42663            | 42657            | 42656            | 42649            | 44655            | 44643            | 44636            | 44635            | 44626            | 46063            | 46051            | 46041            | 46039            | 46029            | 48704            | 48692            | 48680            | 48678            | 48663            |
|                |                    | S/T   | 0.72             | 0.80             | 0.88             | 0.89             | 0.97             | 0.60             | 0.68             | 0.75             | 0.76             | 0.84             | 0.52             | 0.59             | 0.66             | 0.67             | 0.75             | 0.39             | 0.47             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             | 2.35             |
|                | 0°F<br>17.8°C      | TC    | 44057            | 44049            | 44042            | 44041            | 44028            | 46088            | 46079            | 46068            | 46067            | 46055            | 47526            | 47513            | 47502            | 47501            | 47486            | 50207            | 50194            | 50185            | 50183            | 50163            |
|                |                    | S/T   | 0.72             | 0.81             | 0.88             | 0.90             | 0.98             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 2.41             | 2.41             | 2.41             | 2.41             | 2.41             | 2.39             | 2.39             | 2.40             | 2.40             | 2.40             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             |
|                | 5°F<br>15°C        | TC    | 45439            | 45439            | 45439            | 45439            | 46118            | 47708            | 47700            | 47698            | 47699            | 47703            | 49340            | 49337            | 49329            | 49328            | 49332            | 52467            | 52453            | 52441            | 52439            | 52439            |
|                |                    | S/T   | 0.73             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.86             | 0.52             | 0.60             | 0.67             | 0.68             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.44             | 2.44             | 2.44             | 2.44             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.44             | 2.46             | 2.46             | 2.46             | 2.46             | 2.46             |
|                | 14°F<br>10°C       | TC    | 46881            | 46875            | 46869            | 46868            | 47097            | 49343            | 49330            | 49322            | 49321            | 49312            | 51101            | 51089            | 51076            | 51074            | 51063            | 54440            | 54425            | 54412            | 54409            | 54392            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 0.99             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.66             | 0.68             | 0.76             | 0.39             | 0.47             | 0.51             | 0.53             | 0.60             |
|                |                    | PI    | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.76             | 2.76             | 2.76             | 2.76             | 2.76             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             |
|                | 17°F<br>10°C       | TC    | 47396            | 47387            | 47379            | 47378            | 48061            | 49882            | 49870            | 49860            | 49858            | 49859            | 51667            | 51665            | 51658            | 51656            | 51664            | 55156            | 55140            | 55127            | 55125            | 55128            |
|                |                    | S/T   | 0.73             | 0.82             | 0.89             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             |
|                | 23°F<br>5°C        | TC    | 47174            | 47176            | 47176            | 47207            | 48068            | 49713            | 49703            | 49703            | 49704            | 49709            | 51540            | 51536            | 51529            | 51528            | 51533            | 55053            | 55037            | 55024            | 55021            | 55022            |
|                |                    | S/T   | 0.74             | 0.83             | 0.90             | 0.91             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.86             | 2.86             | 2.86             | 2.86             | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             |
|                | 35°F<br>1.7°C      | TC    | 47117            | 47113            | 47110            | 47110            | 47174            | 49557            | 49553            | 49547            | 49546            | 49542            | 51283            | 51273            | 51271            | 51269            | 51261            | 54513            | 54500            | 54490            | 54488            | 54486            |
|                |                    | S/T   | 0.70             | 0.78             | 0.85             | 0.86             | 0.93             | 0.59             | 0.66             | 0.72             | 0.74             | 0.81             | 0.51             | 0.58             | 0.64             | 0.65             | 0.73             | 0.39             | 0.46             | 0.50             | 0.51             | 0.58             |
|                |                    | PI    | 2.63             | 2.63             | 2.63             | 2.63             | 2.64             | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.89             | 2.89             | 2.89             | 2.89             | 2.89             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             |
|                | 41°F<br>5°C        | TC    | 46769            | 46763            | 46761            | 46760            | 46870            | 49172            | 49167            | 49161            | 49160            | 49156            | 50871            | 50861            | 50857            | 50856            | 50847            | 54053            | 54042            | 54031            | 54029            | 54025            |
|                |                    | S/T   | 0.71             | 0.79             | 0.86             | 0.87             | 0.95             | 0.59             | 0.67             | 0.73             | 0.74             | 0.82             | 0.51             | 0.59             | 0.65             | 0.66             | 0.73             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 3.08             | 3.08             | 3.08             | 3.08             | 3.08             | 3.36             | 3.35             | 3.35             | 3.35             | 3.35             |
|                | 47°F<br>8.3°C      | TC    | 46412            | 46406            | 46403            | 46403            | 46564            | 48780            | 48775            | 48768            | 48768            | 48764            | 50458            | 50446            | 50443            | 50442            | 50434            | 53591            | 53579            | 53568            | 53567            | 53562            |
|                |                    | S/T   | 0.71             | 0.80             | 0.87             | 0.88             | 0.96             | 0.59             | 0.67             | 0.74             | 0.75             | 0.83             | 0.51             | 0.59             | 0.65             | 0.66             | 0.74             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.93             | 2.93             | 2.93             | 2.93             | 2.94             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             |
|                | 50°F<br>10°C       | TC    | 45063            | 45070            | 45486            | 45855            | 47557            | 47790            | 47800            | 47813            | 47816            | 47991            | 49767            | 49772            | 49794            | 49798            | 49817            | 53600            | 53580            | 53587            | 53584            | 53631            |
|                |                    | S/T   | 0.79             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             |
|                | 59°F<br>15°C       | TC    | 43091            | 43158            | 44007            | 44265            | 45995            | 45832            | 45842            | 45851            | 45852            | 46133            | 47838            | 47826            | 47845            | 47848            | 47862            | 51683            | 51662            | 51666            | 51664            | 51702            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 3.23             | 3.23             | 3.24             | 3.24             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             |
|                | 68°F<br>20°C       | TC    | 41162            | 41296            | 42462            | 42723            | 44470            | 43895            | 43903            | 43909            | 43910            | 44437            | 45889            | 45880            | 45897            | 45899            | 45908            | 49726            | 49705            | 49707            | 49705            | 49743            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 3.21             | 3.21             | 3.22             | 3.22             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.30             | 3.30             | 3.30             | 3.30             | 3.30             |
|                | 77°F<br>25°C       | TC    | 39183            | 39377            | 40728            | 40994            | 42758            | 41924            | 41939            | 41947            | 41988            | 42820            | 43929            | 43925            | 43949            | 43952            | 44005            | 47786            | 47764            | 47770            | 47771            | 47826            |
|                |                    | S/T   | 0.83             | 0.96             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.55             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 3.21             | 3.21             | 3.23             | 3.23             | 3.25             | 3.24             | 3.24             | 3.24             | 3.24             | 3.25             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.29             | 3.29             | 3.29             | 3.29             | 3.29             |
|                | 82°F<br>27.8°C     | TC    | 38272            | 38519            | 39996            | 40261            | 42040            | 41019            | 41039            | 41073            | 41109            | 42101            | 43030            | 43032            | 43057            | 43060            | 43134            | 46902            | 46879            | 46888            | 46892            | 46955            |
|                |                    | S/T   | 0.84             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.88             | 0.90             | 1.00             | 0.56             | 0.67             | 0.77             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.39             | 3.39             | 3.41             | 3.41             | 3.43             | 3.42             | 3.42             | 3.42             | 3.42             | 3.43             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.47             | 3.47             | 3.47             | 3.47             | 3.47             |
|                | 86°F<br>30°C       | TC    | 37778            | 38108            | 39696            | 39964            | 41761            | 40540            | 40558            | 40614            | 40654            | 41822            | 42556            | 42561            | 42584            | 42586            | 42683            | 46441            | 46419            | 46427            | 46437            | 46495            |
|                |                    | S/T   | 0.85             | 0.98             | 1.00             | 1.00             | 1.00             | 0.67             | 0.80             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.75             | 3.75             | 3.77             | 3.77             | 3.79             | 3.78             | 3.78             | 3.78             | 3.78             | 3.79             | 3.81             | 3.80             | 3.80             | 3.80             | 3.80             | 3.85             | 3.85             | 3.85             | 3.85             | 3.85             |
|                | 95°F<br>35°C       | TC    | 37240            | 37239            | 37242            | 37284            | 38239            | 39733            | 39724            | 39721            | 39721            | 39729            | 41532            | 41528            | 41519            | 41518            | 41519            | 45007            | 44991            | 44979            | 44977            | 44976            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.87             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 4.40             | 4.40             | 4.40             | 4.40             | 4.45             | 4.53             | 4.53             | 4.53</           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 11 – 36K RH High Static Cooling — 37MBRA + 45MBDA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    | TC    | 42404           | 42395            | 42387            | 42386            | 43255            | 44313            | 44301            | 44289            | 44287            | 44272            | 45666            | 45652            | 45636            | 45633            | 45612            | 48205            | 48192            | 48173            | 48172            | 48140            |
| -13°F<br>25°C  | S/T                | 0.75  | 0.84            | 0.92             | 0.93             | 1.00             | 0.61             | 0.70             | 0.78             | 0.79             | 0.88             | 0.52             | 0.61             | 0.69             | 0.70             | 0.79             | 0.38             | 0.46             | 0.53             | 0.54             | 0.62             |                  |
|                | PI                 | 2.39  | 2.39            | 2.39             | 2.39             | 2.38             | 2.36             | 2.36             | 2.37             | 2.37             | 2.37             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             |                  |
|                | TC                 | 45666 | 45656           | 45647            | 45646            | 46583            | 47722            | 47708            | 47695            | 47693            | 47678            | 49179            | 49163            | 49146            | 49143            | 49121            | 51913            | 51900            | 51879            | 51877            | 51843            |                  |
| -4°F<br>20°C   | S/T                | 0.75  | 0.84            | 0.92             | 0.94             | 1.00             | 0.61             | 0.71             | 0.78             | 0.79             | 0.88             | 0.53             | 0.61             | 0.69             | 0.70             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 2.47  | 2.47            | 2.47             | 2.47             | 2.46             | 2.45             | 2.45             | 2.45             | 2.45             | 2.45             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             |                  |
|                | TC                 | 47159 | 47146           | 47136            | 47133            | 48309            | 49262            | 49244            | 49226            | 49222            | 49202            | 50749            | 50728            | 50706            | 50702            | 50670            | 53512            | 53500            | 53495            | 53491            | 53498            |                  |
| 0°F<br>17.8°C  | S/T                | 0.75  | 0.85            | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 2.49  | 2.49            | 2.49             | 2.49             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.49             | 2.49             | 2.49             | 2.49             | 2.49             |                  |
|                | TC                 | 48593 | 48597           | 48749            | 48818            | 50246            | 50959            | 50957            | 50964            | 50965            | 51026            | 52655            | 52653            | 52657            | 52658            | 52669            | 55892            | 55877            | 55878            | 55875            | 55879            |                  |
| 5°F<br>15°C    | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 2.51  | 2.52            | 2.51             | 2.51             | 2.51             | 2.51             | 2.52             | 2.52             | 2.52             | 2.52             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.57             | 2.57             | 2.57             | 2.57             | 2.57             |                  |
|                | TC                 | 50164 | 50153           | 50143            | 50141            | 51565            | 52726            | 52710            | 52696            | 52693            | 52676            | 54558            | 54540            | 54521            | 54517            | 54492            | 58040            | 58023            | 58000            | 57998            | 57960            |                  |
| 14°F<br>10°C   | S/T                | 0.75  | 0.85            | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 2.87  | 2.87            | 2.88             | 2.88             | 2.87             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             |                  |
|                | TC                 | 50680 | 50664           | 50797            | 50868            | 52392            | 53269            | 53250            | 53262            | 53264            | 53321            | 55134            | 55134            | 55142            | 55146            | 55163            | 58751            | 58734            | 58740            | 58736            | 58750            |                  |
| 17°F<br>10°C   | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 2.97  | 2.97            | 2.97             | 2.97             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             |                  |
|                | TC                 | 50451 | 50456           | 50661            | 50751            | 52419            | 53099            | 53097            | 53107            | 53108            | 53193            | 55001            | 54999            | 55004            | 55007            | 55019            | 58644            | 58627            | 58629            | 58627            | 58635            |                  |
| 23°F<br>5°C    | S/T                | 0.77  | 0.87            | 0.95             | 0.97             | 1.00             | 0.62             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 2.94  | 2.94            | 2.94             | 2.95             | 2.95             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             | 3.02             | 3.02             | 3.02             | 3.02             | 3.02             |                  |
|                | TC                 | 50472 | 50468           | 50469            | 50469            | 51118            | 52981            | 52972            | 52967            | 52967            | 52970            | 54742            | 54738            | 54729            | 54728            | 54726            | 58033            | 58019            | 58008            | 58006            | 58003            |                  |
| 35°F<br>1.7°C  | S/T                | 0.73  | 0.81            | 0.89             | 0.90             | 1.00             | 0.60             | 0.68             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |                  |
|                | PI                 | 2.72  | 2.72            | 2.72             | 2.72             | 2.76             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             |                  |
|                | TC                 | 49965 | 50085           | 50086            | 50101            | 50926            | 52563            | 52553            | 52548            | 52549            | 52551            | 54301            | 54296            | 54287            | 54286            | 54284            | 57544            | 57531            | 57519            | 57516            | 57512            |                  |
| 41°F<br>5°C    | S/T                | 0.74  | 0.82            | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.45             | 0.52             | 0.53             | 0.61             |                  |
|                | PI                 | 2.87  | 2.88            | 2.88             | 2.88             | 2.93             | 3.06             | 3.06             | 3.05             | 3.05             | 3.05             | 3.19             | 3.19             | 3.19             | 3.19             | 3.19             | 3.48             | 3.48             | 3.48             | 3.48             | 3.48             |                  |
|                | TC                 | 49702 | 49700           | 49699            | 49748            | 50727            | 52141            | 52132            | 52128            | 52128            | 52129            | 53859            | 53854            | 53846            | 53844            | 53844            | 57059            | 57045            | 57034            | 57033            | 57028            |                  |
| 47°F<br>8.3°C  | S/T                | 0.74  | 0.83            | 0.91             | 0.92             | 1.00             | 0.61             | 0.70             | 0.77             | 0.78             | 0.87             | 0.52             | 0.61             | 0.68             | 0.69             | 0.78             | 0.39             | 0.45             | 0.52             | 0.53             | 0.62             |                  |
|                | PI                 | 3.03  | 3.03            | 3.03             | 3.04             | 3.12             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.39             | 3.38             | 3.38             | 3.38             | 3.38             | 3.69             | 3.69             | 3.69             | 3.69             | 3.69             |                  |
|                | TC                 | 48161 | 48366           | 49731            | 50013            | 51904            | 51020            | 51051            | 51065            | 51118            | 51969            | 53091            | 53121            | 53152            | 53156            | 53234            | 57045            | 57024            | 57090            | 57106            | 57183            |                  |
| 50°F<br>10°C   | S/T                | 0.83  | 0.95            | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |                  |
|                | PI                 | 3.38  | 3.38            | 3.39             | 3.39             | 3.38             | 3.38             | 3.38             | 3.39             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             |                  |
|                | TC                 | 46057 | 46386           | 48025            | 48312            | 50232            | 48939            | 48962            | 49036            | 49081            | 50296            | 51022            | 51048            | 51073            | 51075            | 51200            | 55028            | 55004            | 55058            | 55070            | 55128            |                  |
| 59°F<br>15°C   | S/T                | 0.85  | 0.97            | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |                  |
|                | PI                 | 3.35  | 3.36            | 3.37             | 3.37             | 3.38             | 3.37             | 3.37             | 3.37             | 3.37             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.40             | 3.40             | 3.40             | 3.40             | 3.40             |                  |
|                | TC                 | 43994 | 44733           | 46359            | 46648            | 48584            | 46874            | 46891            | 47021            | 47078            | 48647            | 48951            | 48977            | 48993            | 48995            | 49186            | 52955            | 52933            | 52984            | 52994            | 53037            |                  |
| 68°F<br>20°C   | S/T                | 0.87  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.91             | 0.93             | 1.00             | 0.57             | 0.69             | 0.79             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |                  |
|                | PI                 | 3.33  | 3.34            | 3.35             | 3.36             | 3.38             | 3.36             | 3.36             | 3.36             | 3.36             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.42             | 3.42             | 3.42             | 3.42             | 3.42             |                  |
|                | TC                 | 41877 | 42854           | 44496            | 44788            | 46746            | 44772            | 44793            | 44966            | 45039            | 46806            | 46850            | 46890            | 46913            | 46916            | 47158            | 50869            | 50845            | 50925            | 50938            | 50996            |                  |
| 77°F<br>25°C   | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.82             | 0.93             | 0.95             | 1.00             | 0.57             | 0.70             | 0.80             | 0.82             | 0.94             | 0.39             | 0.49             | 0.59             | 0.60             | 0.72             |                  |
|                | PI                 | 3.33  | 3.34            | 3.36             | 3.36             | 3.38             | 3.36             | 3.36             | 3.36             | 3.36             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.42             | 3.42             | 3.41             | 3.41             | 3.41             |                  |
|                | TC                 | 40936 | 42048           | 43704            | 43997            | 45971            | 43806            | 43830            | 44041            | 44127            | 46032            | 45888            | 45937            | 45961            | 45964            | 46254            | 49918            | 49927            | 49990            | 50004            | 50069            |                  |
| 82°F<br>27.8°C | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.96             | 1.00             | 0.58             | 0.70             | 0.81             | 0.83             | 0.96             | 0.39             | 0.49             | 0.59             | 0.61             | 0.72             |                  |
|                | PI                 | 3.52  | 3.53            | 3.54             | 3.55             | 3.56             | 3.55             | 3.55             | 3.55             | 3.55             | 3.56             | 3.57             | 3.57             | 3.56             | 3.56             | 3.57             | 3.60             | 3.60             | 3.60             | 3.60             | 3.60             |                  |
|                | TC                 | 40436 | 41712           | 43385            | 43680            | 45672            | 43298            | 43319            | 43578            | 43693            | 45733            | 45386            | 45434            | 45456            | 45459            | 45811            | 49432            | 49435            | 49507            | 49521            | 49578            |                  |
| 86°F<br>30°C   | S/T                | 0.90  | 1.00            | 1.00             | 1.00             | 1.00             | 0.71             | 0.84             | 0.96             | 0.98             | 1.00             | 0.58             | 0.71             | 0.82             | 0.84             | 0.97             | 0.39             | 0.50             | 0.60             | 0.61             | 0.73             |                  |
|                | PI                 | 3.89  | 3.90            | 3.92             | 3.93             | 3.95             | 3.92             | 3.92             | 3.92             | 3.93             | 3.95             | 3.95             | 3.95             | 3.95             | 3.95             | 3.95             | 3.99             | 3.99             | 3.99             | 3.99             | 3.99             |                  |
|                | TC                 | 39844 | 39852           | 40071            | 40174            | 41830            | 42448            | 42443            | 42455            | 42456            | 42532            | 44322            | 44321            | 44319            | 44322            | 44342            | 47934            | 47917            | 47903            | 47925            | 47912            |                  |
| 95°F<br>35°C   | S/T                | 0.77  | 0.87            | 0.96             | 0.98             | 1.00             | 0.63             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 4.56  | 4.56            | 4.57             | 4.58             | 4.67             | 4.70             | 4.70             | 4.70             | 4.70             | 4.71             | 4.81             | 4.81             | 4.81             | 4.81             | 4.81             | 5.01             | 5.01             | 5.01             | 5.01             | 5.01             |                  |
|                | TC                 | 34863 | 34868           | 35227            | 35551            | 36953            | 37137            | 37135            | 37146            | 3                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 11 – 36K RH High Static Cooling — 37MBRA + 45MBDA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    | TC    | 45361           | 45345            | 45333            | 45596            | 46938            | 47358            | 47332            | 47311            | 47307            | 47275            | 48772            | 48746            | 48714            | 48709            | 48675            | 51448            | 51435            | 51396            | 51384            | 51307            |
| -13°F<br>25°C  | S/T                | 0.77  | 0.88            | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.81             | 0.83             | 0.93             | 0.54             | 0.63             | 0.71             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |                  |
|                | PI                 | 2.49  | 2.49            | 2.49             | 2.49             | 2.48             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             |                  |
|                | TC                 | 48850 | 48833           | 48820            | 49103            | 50549            | 51001            | 50973            | 50950            | 50946            | 50911            | 52523            | 52496            | 52461            | 52455            | 52419            | 55406            | 55391            | 55350            | 55336            | 55254            |                  |
| -4°F<br>20°C   | S/T                | 0.78  | 0.88            | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |                  |
|                | PI                 | 2.58  | 2.58            | 2.58             | 2.58             | 2.57             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             | 2.55             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             | 2.57             | 2.57             | 2.57             |                  |
|                | TC                 | 50462 | 50441           | 50636            | 51022            | 52435            | 52663            | 52623            | 52593            | 52588            | 52579            | 54207            | 54176            | 54127            | 54119            | 54071            | 57129            | 57112            | 57115            | 57121            | 57163            |                  |
| 0°F<br>17.8°C  | S/T                | 0.78  | 0.89            | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.95             | 0.54             | 0.64             | 0.73             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |                  |
|                | PI                 | 2.60  | 2.60            | 2.60             | 2.60             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.60             | 2.60             | 2.60             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             |                  |
|                | TC                 | 51947 | 51994           | 52695            | 52936            | 54555            | 54417            | 54428            | 54434            | 54435            | 54703            | 56198            | 56193            | 56209            | 56210            | 56217            | 59556            | 59538            | 59539            | 59543            | 59576            |                  |
| 5°F<br>15°C    | S/T                | 0.79  | 0.90            | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |                  |
|                | PI                 | 2.62  | 2.62            | 2.62             | 2.62             | 2.63             | 2.63             | 2.63             | 2.63             | 2.63             | 2.63             | 2.64             | 2.64             | 2.64             | 2.64             | 2.64             | 2.70             | 2.69             | 2.70             | 2.70             | 2.70             |                  |
|                | TC                 | 53632 | 53612           | 53834            | 54305            | 55990            | 56325            | 56292            | 56265            | 56261            | 56231            | 58271            | 58243            | 58198            | 58191            | 58142            | 61935            | 61916            | 61871            | 61857            | 61762            |                  |
| 14°F<br>10°C   | S/T                | 0.78  | 0.89            | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |                  |
|                | PI                 | 3.01  | 3.01            | 3.01             | 3.00             | 3.00             | 2.99             | 2.99             | 2.99             | 2.99             | 2.99             | 2.98             | 2.98             | 2.99             | 2.99             | 2.99             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             |                  |
|                | TC                 | 54260 | 54273           | 54938            | 55255            | 57034            | 56984            | 56989            | 57001            | 57002            | 57272            | 58801            | 58824            | 58862            | 58865            | 58879            | 62712            | 62693            | 62699            | 62711            | 62769            |                  |
| 17°F<br>10°C   | S/T                | 0.79  | 0.89            | 1.00             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.85             | 0.95             | 0.55             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |                  |
|                | PI                 | 3.10  | 3.10            | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             |                  |
|                | TC                 | 53931 | 54006           | 54885            | 55154            | 56957            | 56699            | 56714            | 56721            | 56722            | 57058            | 58698            | 58696            | 58715            | 58717            | 58727            | 62482            | 62464            | 62466            | 62474            | 62517            |                  |
| 23°F<br>5°C    | S/T                | 0.80  | 0.91            | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.97             | 0.54             | 0.65             | 0.74             | 0.75             | 0.85             | 0.39             | 0.47             | 0.56             | 0.57             | 0.66             |                  |
|                | PI                 | 3.08  | 3.08            | 3.08             | 3.08             | 3.10             | 3.09             | 3.09             | 3.09             | 3.09             | 3.10             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             |                  |
|                | TC                 | 54020 | 54021           | 54125            | 54186            | 55579            | 56611            | 56604            | 56606            | 56608            | 56609            | 58431            | 58427            | 58420            | 58420            | 58427            | 61815            | 61800            | 61787            | 61796            | 61785            |                  |
| 35°F<br>1.7°C  | S/T                | 0.75  | 0.85            | 0.93             | 0.94             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 2.84  | 2.84            | 2.85             | 2.85             | 2.94             | 3.01             | 3.01             | 3.01             | 3.01             | 3.01             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.42             | 3.42             | 3.42             | 3.42             | 3.42             |                  |
|                | TC                 | 53604 | 53605           | 53754            | 53826            | 55354            | 56163            | 56157            | 56159            | 56159            | 56208            | 57960            | 57954            | 57949            | 57950            | 57956            | 61297            | 61282            | 61270            | 61276            | 61267            |                  |
| 41°F<br>5°C    | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.64             |                  |
|                | PI                 | 3.01  | 3.01            | 3.03             | 3.03             | 3.14             | 3.20             | 3.20             | 3.20             | 3.20             | 3.20             | 3.34             | 3.34             | 3.34             | 3.34             | 3.34             | 3.64             | 3.64             | 3.64             | 3.64             | 3.64             |                  |
|                | TC                 | 53183 | 53183           | 53388            | 53481            | 55127            | 55714            | 55706            | 55708            | 55708            | 55792            | 57488            | 57482            | 57478            | 57478            | 57482            | 60787            | 60772            | 60767            | 60766            | 60757            |                  |
| 47°F<br>8.3°C  | S/T                | 0.77  | 0.87            | 0.95             | 0.97             | 1.00             | 0.63             | 0.72             | 0.81             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.82             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 3.18  | 3.18            | 3.19             | 3.20             | 3.34             | 3.39             | 3.39             | 3.39             | 3.39             | 3.39             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.87             | 3.86             | 3.86             | 3.86             | 3.86             |                  |
|                | TC                 | 51462 | 52303           | 54051            | 54360            | 56443            | 54486            | 54518            | 54695            | 54766            | 56509            | 56632            | 56705            | 56738            | 56741            | 56997            | 60712            | 60741            | 60888            | 60905            | 60986            |                  |
| 50°F<br>10°C   | S/T                | 0.87  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.92             | 0.94             | 1.00             | 0.57             | 0.69             | 0.80             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |                  |
|                | PI                 | 3.55  | 3.55            | 3.55             | 3.54             | 3.54             | 3.54             | 3.54             | 3.55             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             |                  |
|                | TC                 | 49261 | 50447           | 52222            | 52537            | 54650            | 52267            | 52290            | 52549            | 52651            | 54713            | 54437            | 54495            | 54518            | 54520            | 54880            | 58594            | 58610            | 58725            | 58738            | 58796            |                  |
| 59°F<br>15°C   | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.97             | 1.00             | 0.58             | 0.71             | 0.81             | 0.83             | 0.96             | 0.39             | 0.50             | 0.59             | 0.61             | 0.73             |                  |
|                | PI                 | 3.51  | 3.52            | 3.53             | 3.53             | 3.54             | 3.53             | 3.53             | 3.53             | 3.53             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             |                  |
|                | TC                 | 47117 | 48636           | 50426            | 50744            | 52878            | 50061            | 50077            | 50469            | 50798            | 52937            | 52240            | 52283            | 52298            | 52299            | 52895            | 56408            | 56427            | 56517            | 56527            | 56568            |                  |
| 68°F<br>20°C   | S/T                | 0.91  | 1.00            | 1.00             | 1.00             | 1.00             | 0.72             | 0.85             | 0.97             | 1.00             | 1.00             | 0.59             | 0.72             | 0.84             | 0.86             | 0.99             | 0.40             | 0.50             | 0.61             | 0.62             | 0.75             |                  |
|                | PI                 | 3.49  | 3.50            | 3.52             | 3.52             | 3.54             | 3.52             | 3.52             | 3.52             | 3.52             | 3.55             | 3.54             | 3.54             | 3.54             | 3.54             | 3.55             | 3.59             | 3.59             | 3.59             | 3.58             | 3.58             |                  |
|                | TC                 | 44895 | 46615           | 48423            | 48744            | 50899            | 47814            | 47837            | 48387            | 48802            | 50958            | 49997            | 50055            | 50078            | 50136            | 51004            | 54150            | 54199            | 54320            | 54333            | 54392            |                  |
| 77°F<br>25°C   | S/T                | 0.92  | 1.00            | 1.00             | 1.00             | 1.00             | 0.72             | 0.87             | 0.99             | 1.00             | 1.00             | 0.59             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |                  |
|                | PI                 | 3.49  | 3.51            | 3.52             | 3.53             | 3.54             | 3.52             | 3.52             | 3.52             | 3.52             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.55             | 3.58             | 3.58             | 3.58             | 3.58             | 3.57             |                  |
|                | TC                 | 43886 | 45747           | 47570            | 47894            | 50072            | 46783            | 46859            | 47628            | 47952            | 50129            | 48972            | 49037            | 49061            | 49139            | 50174            | 53119            | 53186            | 53319            | 53334            | 53398            |                  |
| 82°F<br>27.8°C | S/T                | 0.94  | 1.00            | 1.00             | 1.00             | 1.00             | 0.73             | 0.87             | 1.00             | 1.00             | 1.00             | 0.60             | 0.74             | 0.86             | 0.87             | 1.00             | 0.40             | 0.51             | 0.62             | 0.63             | 0.76             |                  |
|                | PI                 | 3.69  | 3.70            | 3.72             | 3.72             | 3.74             | 3.71             | 3.71             | 3.72             | 3.72             | 3.74             | 3.73             | 3.73             | 3.73             | 3.73             | 3.74             | 3.77             | 3.77             | 3.77             | 3.77             | 3.77             |                  |
|                | TC                 | 43325 | 45331           | 47170            | 47495            | 49709            | 46186            | 46282            | 47227            | 47553            | 49748            | 48389            | 48446            | 48522            | 48566            | 49794            | 52548            | 52624            | 52747            | 52761            | 52815            |                  |
| 86°F<br>30°C   | S/T                | 0.95  | 1.00            | 1.00             | 1.00             | 1.00             | 0.74             | 0.88             | 1.00             | 1.00             | 1.00             | 0.60             | 0.75             | 0.86             | 0.88             | 1.00             | 0.40             | 0.51             | 0.62             | 0.64             | 0.77             |                  |
|                | PI                 | 4.07  | 4.10            | 4.12             | 4.12             | 4.15             | 4.11             | 4.11             | 4.12             | 4.12             | 4.14             | 4.13             | 4.13             | 4.13             | 4.13             | 4.14             | 4.18             | 4.18             | 4.18             | 4.18             | 4.17             |                  |
|                | TC                 | 42598 | 42674           | 43590            | 43847            | 45566            | 45323            | 45334            | 45349            | 45352            | 45659            | 47280            | 47285            | 47309            | 47313            | 47334            | 51040            | 51022            | 51027            | 51025            | 51063            |                  |
| 95°F<br>35°C   | S/T                | 0.80  | 0.91            | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |                  |
|                | PI                 | 4.78  | 4.78            | 4.83             | 4.84             | 4.93             | 4.92             | 4.92             | 4.92             | 4.92             | 4.94             | 5.03             | 5.03             | 5.03             | 5.03             | 5.03             | 5.24             | 5.24             | 5.24             | 5.24             | 5.24             |                  |
|                | TC                 | 37268 | 37401           | 38479            | 38705            | 40240            | 39653            | 39666            | 39676            | 3                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 11 – 36K RH High Static Cooling — 37MBRA + 45MBDA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
| 1235           | -13°F<br>25°C      | TC    | 48499           | 48477            | 49169            | 49372            | 50731            | 50602            | 50560            | 50528            | 50524            | 50482            | 52115            | 52049            | 52000            | 51993            | 51943            | 54971            | 54956            | 54843            | 54823            | 54707            |
|                |                    | S/T   | 0.80            | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.85             | 0.86             | 0.97             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.62            | 2.63             | 2.62             | 2.62             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.62             | 2.62             | 2.62             | 2.62             | 2.62             |
|                | -4°F<br>20°C       | TC    | 52230           | 52206            | 52951            | 53170            | 54634            | 54494            | 54449            | 54415            | 54410            | 54365            | 56124            | 56053            | 56000            | 55992            | 55939            | 59200            | 59184            | 59062            | 59040            | 58915            |
|                |                    | S/T   | 0.80            | 0.92             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.85             | 0.87             | 0.98             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.72            | 2.72             | 2.71             | 2.71             | 2.71             | 2.70             | 2.70             | 2.71             | 2.71             | 2.71             | 2.70             | 2.70             | 2.70             | 2.70             | 2.70             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             |
|                | 0°F<br>17.8°C      | TC    | 53963           | 53931            | 54932            | 55161            | 56676            | 56278            | 56215            | 56172            | 56165            | 56730            | 57932            | 57850            | 57778            | 57769            | 57742            | 61047            | 61033            | 61028            | 61036            | 61076            |
|                |                    | S/T   | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 2.74            | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.77             | 2.77             | 2.77             | 2.77             | 2.78             |
|                | 5°F<br>15°C        | TC    | 55510           | 55702            | 56975            | 57238            | 59001            | 58114            | 58128            | 58132            | 58192            | 59060            | 59972            | 59988            | 60000            | 60002            | 60081            | 63490            | 63471            | 63504            | 63511            | 63539            |
|                |                    | S/T   | 0.82            | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 2.76            | 2.76             | 2.77             | 2.77             | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.79             | 2.79             | 2.80             | 2.80             | 2.80             | 2.80             | 2.86             | 2.86             | 2.86             | 2.86             | 2.86             |
|                | 14°F<br>10°C       | TC    | 57355           | 57326            | 58496            | 58771            | 60593            | 60203            | 60150            | 60109            | 60102            | 60665            | 62265            | 62187            | 62124            | 62114            | 62051            | 66208            | 66187            | 66060            | 66037            | 65896            |
|                |                    | S/T   | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.86             | 0.87             | 1.00             | 0.55             | 0.66             | 0.75             | 0.76             | 0.87             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 3.17            | 3.17             | 3.17             | 3.16             | 3.16             | 3.16             | 3.16             | 3.16             | 3.16             | 3.16             | 3.15             | 3.16             | 3.16             | 3.16             | 3.16             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             |
|                | 17°F<br>10°C       | TC    | 57833           | 58021            | 59362            | 59652            | 61589            | 60711            | 60737            | 60748            | 60799            | 61655            | 62783            | 62807            | 62832            | 62835            | 62912            | 66772            | 66753            | 66743            | 66756            | 66811            |
|                |                    | S/T   | 0.82            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.27            | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.30             | 3.30             | 3.30             | 3.30             | 3.31             |
|                | 23°F<br>5°C        | TC    | 57631           | 57879            | 59376            | 59669            | 61635            | 60549            | 60567            | 60574            | 60653            | 61701            | 62637            | 62659            | 62675            | 62677            | 62778            | 66602            | 66582            | 66629            | 66638            | 66677            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.25            | 3.25             | 3.26             | 3.26             | 3.28             | 3.27             | 3.27             | 3.27             | 3.27             | 3.28             | 3.29             | 3.29             | 3.29             | 3.29             | 3.29             | 3.35             | 3.35             | 3.35             | 3.35             | 3.36             |
|                | 35°F<br>1.7°C      | TC    | 57769           | 57771            | 58110            | 58273            | 60152            | 60469            | 60467            | 60472            | 60472            | 60633            | 62362            | 62358            | 62361            | 62363            | 62369            | 65874            | 65858            | 65855            | 65852            | 65858            |
|                |                    | S/T   | 0.78            | 0.88             | 0.97             | 0.99             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.63             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 3.00            | 3.00             | 3.03             | 3.04             | 3.16             | 3.18             | 3.18             | 3.18             | 3.18             | 3.20             | 3.32             | 3.32             | 3.32             | 3.32             | 3.32             | 3.61             | 3.61             | 3.61             | 3.61             | 3.61             |
|                | 41°F<br>5°C        | TC    | 57321           | 57322            | 57778            | 58180            | 59900            | 59987            | 59986            | 59989            | 59989            | 60200            | 61859            | 61854            | 61858            | 61859            | 61863            | 65329            | 65313            | 65309            | 65306            | 65313            |
|                |                    | S/T   | 0.78            | 0.89             | 0.98             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 3.18            | 3.18             | 3.21             | 3.24             | 3.37             | 3.38             | 3.38             | 3.38             | 3.38             | 3.40             | 3.53             | 3.53             | 3.53             | 3.53             | 3.54             | 3.85             | 3.85             | 3.85             | 3.85             | 3.85             |
|                | 47°F<br>8.3°C      | TC    | 56871           | 56909            | 57672            | 57930            | 59643            | 59508            | 59506            | 59507            | 59506            | 59782            | 61356            | 61350            | 61355            | 61354            | 61354            | 64791            | 64775            | 64769            | 64766            | 64773            |
|                |                    | S/T   | 0.79            | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.67             |
|                |                    | PI    | 3.36            | 3.36             | 3.42             | 3.45             | 3.59             | 3.58             | 3.58             | 3.58             | 3.58             | 3.60             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 4.08             | 4.08             | 4.08             | 4.08             | 4.08             |
|                | 50°F<br>10°C       | TC    | 55075           | 56591            | 58501            | 58840            | 61121            | 58184            | 58216            | 58619            | 58803            | 61179            | 60454            | 60533            | 60565            | 60568            | 61151            | 64621            | 64792            | 64959            | 64978            | 65059            |
|                |                    | S/T   | 0.90            | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.85             | 0.96             | 0.99             | 1.00             | 0.59             | 0.72             | 0.83             | 0.85             | 0.99             | 0.40             | 0.50             | 0.60             | 0.62             | 0.74             |
|                |                    | PI    | 3.75            | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.74             | 3.74             | 3.74             | 3.74             | 3.74             |
|                | 59°F<br>15°C       | TC    | 52752           | 54602            | 56540            | 56884            | 59199            | 55814            | 55890            | 56524            | 56945            | 59258            | 58116            | 58175            | 58195            | 58280            | 59306            | 62405            | 62530            | 62655            | 62669            | 62721            |
|                |                    | S/T   | 0.92            | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.86             | 1.00             | 1.00             | 1.00             | 0.60             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                    | PI    | 3.72            | 3.73             | 3.74             | 3.74             | 3.75             | 3.73             | 3.73             | 3.74             | 3.74             | 3.75             | 3.75             | 3.74             | 3.74             | 3.74             | 3.75             | 3.77             | 3.77             | 3.77             | 3.77             | 3.76             |
|                | 68°F<br>20°C       | TC    | 50418           | 52571            | 54520            | 54867            | 57195            | 53376            | 53496            | 54579            | 54926            | 57252            | 55683            | 55725            | 55825            | 55874            | 57299            | 59999            | 60110            | 60205            | 60214            | 60246            |
|                |                    | S/T   | 0.95            | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.89             | 1.00             | 1.00             | 1.00             | 0.61             | 0.75             | 0.87             | 0.89             | 1.00             | 0.40             | 0.51             | 0.63             | 0.65             | 0.78             |
|                |                    | PI    | 3.69            | 3.71             | 3.73             | 3.73             | 3.76             | 3.72             | 3.72             | 3.73             | 3.73             | 3.76             | 3.74             | 3.74             | 3.74             | 3.74             | 3.76             | 3.80             | 3.79             | 3.79             | 3.79             | 3.79             |
|                | 77°F<br>25°C       | TC    | 48062           | 50376            | 52348            | 52697            | 55051            | 50952            | 51114            | 52405            | 52755            | 55107            | 53260            | 53320            | 53456            | 53516            | 55153            | 57523            | 57697            | 57831            | 57845            | 57899            |
|                |                    | S/T   | 0.97            | 1.00             | 1.00             | 1.00             | 1.00             | 0.75             | 0.90             | 1.00             | 1.00             | 1.00             | 0.61             | 0.76             | 0.88             | 0.90             | 1.00             | 0.40             | 0.52             | 0.63             | 0.65             | 0.79             |
|                |                    | PI    | 3.69            | 3.71             | 3.73             | 3.73             | 3.75             | 3.72             | 3.72             | 3.73             | 3.73             | 3.75             | 3.74             | 3.74             | 3.74             | 3.74             | 3.75             | 3.79             | 3.78             | 3.78             | 3.78             | 3.78             |
|                | 82°F<br>27.8°C     | TC    | 47018           | 49419            | 51412            | 51760            | 54131            | 49825            | 50017            | 51457            | 51819            | 54188            | 52143            | 52208            | 52371            | 52435            | 54235            | 56377            | 56589            | 56737            | 56752            | 56814            |
|                |                    | S/T   | 0.99            | 1.00             | 1.00             | 1.00             | 1.00             | 0.76             | 0.91             | 1.00             | 1.00             | 1.00             | 0.62             | 0.77             | 0.89             | 0.92             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.80             |
|                |                    | PI    | 3.90            | 3.92             | 3.94             | 3.94             | 3.96             | 3.93             | 3.93             | 3.94             | 3.94             | 3.96             | 3.95             | 3.95             | 3.95             | 3.95             | 3.96             | 3.99             | 3.99             | 3.98             | 3.98             | 3.98             |
|                | 86°F<br>30°C       | TC    | 46667           | 48997            | 51001            | 51357            | 53748            | 49215            | 49441            | 51057            | 51415            | 53804            | 51547            | 51606            | 51795            | 51870            | 53850            | 55805            | 56021            | 56154            | 56167            | 56220            |
|                |                    | S/T   | 1.00            | 1.00             | 1.00             | 1.00             | 1.00             | 0.77             | 0.93             | 1.00             | 1.00             | 1.00             | 0.62             | 0.78             | 0.91             | 0.93             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.81             |
|                |                    | PI    | 4.31            | 4.34             | 4.36             | 4.36             | 4.39             | 4.34             | 4.34             | 4.36             | 4.36             | 4.39             | 4.37             | 4.37             | 4.37             | 4.37             | 4.39             | 4.43             | 4.42             | 4.42             | 4.42             | 4.41             |
|                | 95°F<br>35°C       | TC    | 45524           | 45769            | 47249            | 47529            | 49407            | 48382            | 48410            | 48426            | 48483            | 49469            | 50458            | 50469            | 50500            | 50505            | 50588            | 54371            | 54351            | 54362            | 54377            | 54450            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 5.04            | 5.06             | 5.14             | 5.15             | 5.26             | 5.20             | 5.20             | 5.20             | 5.21             | 5.26             | 5.32             | 5.32             | 5.32             | 5.32             | 5.33             | 5.54             | 5.54             | 5.54             | 5.54             | 5.54             |
|                | 104°F<br>40°C      | TC    | 39831           | 40195            | 41708            | 41959            | 43633            | 42340            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 12 – 48K RH High Static Cooling — 37MBRA + 45MBDA

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
|                |                    |       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 1059           | -13°F<br>25°C      | TC    | 41482            | 41475            | 41470            | 41469            | 41462            | 43412            | 43401            | 43394            | 43393            | 43384            | 44781            | 44770            | 44759            | 44758            | 44748            | 47349            | 47337            | 47326            | 47324            | 47308            |
|                |                    | S/T   | 0.72             | 0.80             | 0.87             | 0.88             | 0.97             | 0.59             | 0.67             | 0.74             | 0.76             | 0.83             | 0.51             | 0.59             | 0.66             | 0.67             | 0.75             | 0.38             | 0.46             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.63             | 2.63             | 2.63             | 2.63             | 2.64             | 2.60             | 2.60             | 2.60             | 2.60             | 2.60             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.58             | 2.58             | 2.58             | 2.58             | 2.58             |
|                | -4°F<br>20°C       | TC    | 44673            | 44666            | 44660            | 44659            | 44651            | 46752            | 46739            | 46732            | 46731            | 46722            | 48226            | 48213            | 48202            | 48201            | 48190            | 50991            | 50978            | 50966            | 50964            | 50947            |
|                |                    | S/T   | 0.72             | 0.80             | 0.88             | 0.89             | 0.97             | 0.60             | 0.68             | 0.75             | 0.76             | 0.84             | 0.52             | 0.59             | 0.66             | 0.67             | 0.75             | 0.39             | 0.47             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.73             | 2.73             | 2.73             | 2.73             | 2.73             | 2.70             | 2.70             | 2.70             | 2.70             | 2.70             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.67             | 2.67             | 2.67             | 2.67             | 2.67             |
|                | 0°F<br>17.8°C      | TC    | 46126            | 46117            | 46110            | 46108            | 46095            | 48252            | 48242            | 48231            | 48230            | 48217            | 49758            | 49744            | 49733            | 49731            | 49715            | 52564            | 52551            | 52541            | 52539            | 52518            |
|                |                    | S/T   | 0.72             | 0.81             | 0.88             | 0.90             | 0.98             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.73             | 2.73             | 2.73             | 2.73             | 2.73             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             | 2.73             | 2.73             | 2.73             | 2.73             | 2.73             |
|                | 5°F<br>15°C        | TC    | 47572            | 47572            | 47573            | 47573            | 48284            | 49948            | 49939            | 49938            | 49939            | 49943            | 51656            | 51653            | 51645            | 51644            | 51649            | 54931            | 54916            | 54903            | 54901            | 54901            |
|                |                    | S/T   | 0.73             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.86             | 0.52             | 0.60             | 0.67             | 0.68             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.78             | 2.81             | 2.81             | 2.81             | 2.81             | 2.81             |
|                | 14°F<br>10°C       | TC    | 49982            | 49976            | 49969            | 49968            | 50212            | 52607            | 52593            | 52584            | 52583            | 52573            | 54481            | 54468            | 54454            | 54452            | 54441            | 58041            | 58024            | 58010            | 58008            | 57989            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 0.99             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.66             | 0.68             | 0.76             | 0.39             | 0.47             | 0.51             | 0.53             | 0.60             |
|                |                    | PI    | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             |
|                | 17°F<br>10°C       | TC    | 50821            | 50810            | 50803            | 50801            | 51533            | 53486            | 53473            | 53462            | 53461            | 53461            | 55400            | 55398            | 55390            | 55389            | 55397            | 59141            | 59124            | 59110            | 59108            | 59111            |
|                |                    | S/T   | 0.73             | 0.82             | 0.89             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 3.24             | 3.24             | 3.24             | 3.24             | 3.23             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             |
|                | 23°F<br>5°C        | TC    | 48724            | 48725            | 48725            | 48757            | 49647            | 51346            | 51336            | 51335            | 51336            | 51342            | 53233            | 53229            | 53221            | 53220            | 53225            | 56861            | 56844            | 56831            | 56828            | 56829            |
|                |                    | S/T   | 0.74             | 0.83             | 0.90             | 0.91             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.11             | 3.11             | 3.11             | 3.11             | 3.11             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.16             | 3.16             | 3.16             | 3.16             | 3.16             |
|                | 35°F<br>1.7°C      | TC    | 44923            | 44919            | 44916            | 44916            | 44978            | 47249            | 47245            | 47240            | 47239            | 47235            | 48895            | 48885            | 48883            | 48882            | 48874            | 51974            | 51962            | 51953            | 51951            | 51948            |
|                |                    | S/T   | 0.70             | 0.78             | 0.85             | 0.86             | 0.93             | 0.59             | 0.66             | 0.72             | 0.74             | 0.81             | 0.51             | 0.58             | 0.64             | 0.65             | 0.73             | 0.39             | 0.46             | 0.50             | 0.51             | 0.58             |
|                |                    | PI    | 2.67             | 2.67             | 2.67             | 2.67             | 2.67             | 2.81             | 2.81             | 2.81             | 2.81             | 2.81             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             |
|                | 41°F<br>5°C        | TC    | 43542            | 43537            | 43534            | 43534            | 43636            | 45779            | 45774            | 45769            | 45768            | 45764            | 47361            | 47351            | 47348            | 47347            | 47339            | 50323            | 50313            | 50303            | 50301            | 50298            |
|                |                    | S/T   | 0.71             | 0.79             | 0.86             | 0.87             | 0.95             | 0.59             | 0.67             | 0.73             | 0.74             | 0.82             | 0.51             | 0.59             | 0.65             | 0.66             | 0.73             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.58             | 2.58             | 2.57             | 2.57             | 2.57             | 2.69             | 2.69             | 2.69             | 2.69             | 2.69             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             |
|                | 47°F<br>8.3°C      | TC    | 42151            | 42146            | 42144            | 42143            | 42290            | 44302            | 44298            | 44291            | 44291            | 44288            | 45826            | 45815            | 45812            | 45811            | 45804            | 48671            | 48660            | 48651            | 48650            | 48645            |
|                |                    | S/T   | 0.71             | 0.80             | 0.87             | 0.88             | 0.96             | 0.59             | 0.67             | 0.74             | 0.75             | 0.83             | 0.51             | 0.59             | 0.65             | 0.66             | 0.74             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.19             | 2.19             | 2.19             | 2.19             | 2.20             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.45             | 2.45             | 2.45             | 2.45             | 2.44             | 2.67             | 2.67             | 2.67             | 2.67             | 2.67             |
|                | 50°F<br>10°C       | TC    | 41254            | 41260            | 41640            | 41978            | 43537            | 43749            | 43759            | 43771            | 43773            | 43934            | 45560            | 45564            | 45584            | 45588            | 45606            | 49069            | 49050            | 49057            | 49054            | 49097            |
|                |                    | S/T   | 0.79             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             |
|                | 59°F<br>15°C       | TC    | 40438            | 40501            | 41297            | 41539            | 43163            | 43010            | 43019            | 43028            | 43029            | 43293            | 44892            | 44882            | 44899            | 44902            | 44915            | 48501            | 48481            | 48485            | 48483            | 48519            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 2.77             | 2.77             | 2.78             | 2.78             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.80             | 2.80             | 2.79             | 2.79             | 2.79             | 2.81             | 2.81             | 2.81             | 2.81             | 2.81             |
|                | 68°F<br>20°C       | TC    | 39653            | 39782            | 40906            | 41157            | 42840            | 42286            | 42294            | 42299            | 42300            | 42808            | 44207            | 44198            | 44215            | 44217            | 44225            | 47904            | 47883            | 47885            | 47883            | 47920            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 3.01             | 3.01             | 3.02             | 3.02             | 3.04             | 3.04             | 3.04             | 3.04             | 3.04             | 3.04             | 3.06             | 3.06             | 3.06             | 3.06             | 3.06             | 3.10             | 3.10             | 3.10             | 3.10             | 3.09             |
|                | 77°F<br>25°C       | TC    | 38809            | 39001            | 40340            | 40603            | 42350            | 41524            | 41539            | 41547            | 41588            | 42412            | 43510            | 43507            | 43530            | 43533            | 43585            | 47331            | 47309            | 47315            | 47315            | 47370            |
|                |                    | S/T   | 0.83             | 0.96             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.55             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 3.27             | 3.27             | 3.29             | 3.29             | 3.31             | 3.30             | 3.30             | 3.30             | 3.30             | 3.31             | 3.32             | 3.32             | 3.32             | 3.32             | 3.32             | 3.35             | 3.35             | 3.35             | 3.35             | 3.35             |
|                | 82°F<br>27.8°C     | TC    | 38544            | 38793            | 40281            | 40548            | 42339            | 41311            | 41331            | 41366            | 41402            | 42401            | 43336            | 43339            | 43364            | 43367            | 43441            | 47236            | 47213            | 47221            | 47226            | 47289            |
|                |                    | S/T   | 0.84             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.88             | 0.90             | 1.00             | 0.56             | 0.67             | 0.77             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.54             | 3.55             | 3.56             | 3.56             | 3.58             | 3.57             | 3.57             | 3.57             | 3.57             | 3.58             | 3.59             | 3.59             | 3.59             | 3.59             | 3.59             | 3.63             | 3.63             | 3.63             | 3.63             | 3.63             |
|                | 86°F<br>30°C       | TC    | 38592            | 38928            | 40551            | 40825            | 42660            | 41413            | 41431            | 41488            | 41529            | 42722            | 43472            | 43478            | 43501            | 43503            | 43602            | 47441            | 47418            | 47426            | 47437            | 47496            |
|                |                    | S/T   | 0.85             | 0.98             | 1.00             | 1.00             | 1.00             | 0.67             | 0.80             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.91             | 3.91             | 3.93             | 3.94             | 3.96             | 3.95             | 3.95             | 3.95             | 3.95             | 3.96             | 3.97             | 3.97             | 3.97             | 3.97             | 3.97             | 4.01             | 4.01             | 4.01             | 4.01             | 4.01             |
|                | 95°F<br>35°C       | TC    | 39294            | 39293            | 39296            | 39340            | 40348            | 41925            | 41915            | 41912            | 41912            | 41921            | 43822            | 43818            | 43809            | 43808            | 43809            | 47489            | 47472            | 47459            | 47457            | 47457            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.87             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 4.57             | 4.5              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 12 – 48K RH High Static Cooling — 37MBRA + 45MBDA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    | TC    | 45224           | 45214            | 45205            | 45204            | 46132            | 47260            | 47246            | 47234            | 47231            | 47216            | 48703            | 48687            | 48670            | 48667            | 48645            | 51410            | 51397            | 51376            | 51375            | 51341            |
| -13°F<br>25°C  | S/T                | 0.75  | 0.84            | 0.92             | 0.93             | 1.00             | 0.61             | 0.70             | 0.78             | 0.79             | 0.88             | 0.52             | 0.61             | 0.69             | 0.70             | 0.79             | 0.38             | 0.46             | 0.53             | 0.54             | 0.62             |                  |
|                | PI                 | 2.77  | 2.77            | 2.77             | 2.77             | 2.76             | 2.74             | 2.75             | 2.75             | 2.75             | 2.75             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             |                  |
|                | TC                 | 48703 | 48692           | 48682            | 48681            | 49680            | 50895            | 50881            | 50867            | 50865            | 50848            | 52449            | 52432            | 52414            | 52410            | 52387            | 55365            | 55351            | 55328            | 55327            | 55291            |                  |
| -4°F<br>20°C   | S/T                | 0.75  | 0.84            | 0.92             | 0.94             | 1.00             | 0.61             | 0.71             | 0.78             | 0.79             | 0.88             | 0.53             | 0.61             | 0.69             | 0.70             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 2.87  | 2.87            | 2.87             | 2.87             | 2.86             | 2.84             | 2.84             | 2.84             | 2.84             | 2.85             | 2.83             | 2.83             | 2.83             | 2.83             | 2.84             | 2.83             | 2.83             | 2.84             | 2.84             | 2.84             |                  |
|                | TC                 | 50295 | 50281           | 50270            | 50268            | 51521            | 52538            | 52519            | 52499            | 52495            | 52473            | 54123            | 54102            | 54078            | 54073            | 54040            | 57070            | 57058            | 57052            | 57048            | 57055            |                  |
| 0°F<br>17.8°C  | S/T                | 0.75  | 0.85            | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 2.89  | 2.89            | 2.89             | 2.89             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.89             | 2.89             | 2.89             | 2.89             | 2.89             |                  |
|                | TC                 | 51824 | 51829           | 51991            | 52065            | 53587            | 54348            | 54345            | 54353            | 54354            | 54419            | 56157            | 56154            | 56158            | 56160            | 56171            | 59609            | 59592            | 59593            | 59591            | 59594            |                  |
| 5°F<br>15°C    | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 2.92  | 2.92            | 2.92             | 2.92             | 2.92             | 2.92             | 2.92             | 2.92             | 2.92             | 2.92             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             |                  |
|                | TC                 | 54480 | 54468           | 54457            | 54455            | 56002            | 57263            | 57246            | 57230            | 57227            | 57208            | 59252            | 59233            | 59212            | 59208            | 59181            | 63034            | 63016            | 62991            | 62988            | 62947            |                  |
| 14°F<br>10°C   | S/T                | 0.75  | 0.85            | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 3.31  | 3.31            | 3.31             | 3.31             | 3.30             | 3.29             | 3.29             | 3.29             | 3.29             | 3.29             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             |                  |
|                | TC                 | 55356 | 55339           | 55483            | 55561            | 57226            | 58183            | 58163            | 58177            | 58179            | 58240            | 60221            | 60221            | 60230            | 60234            | 60252            | 64172            | 64153            | 64159            | 64156            | 64170            |                  |
| 17°F<br>10°C   | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 3.41  | 3.41            | 3.41             | 3.41             | 3.40             | 3.40             | 3.40             | 3.40             | 3.40             | 3.40             | 3.40             | 3.40             | 3.40             | 3.40             | 3.40             | 3.41             | 3.41             | 3.41             | 3.41             | 3.41             |                  |
|                | TC                 | 53081 | 53086           | 53302            | 53397            | 55151            | 55866            | 55865            | 55875            | 55876            | 55966            | 57867            | 57866            | 57871            | 57874            | 57886            | 61701            | 61682            | 61685            | 61682            | 61691            |                  |
| 23°F<br>5°C    | S/T                | 0.77  | 0.87            | 0.95             | 0.97             | 1.00             | 0.62             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 3.26  | 3.27            | 3.27             | 3.27             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.30             | 3.30             | 3.30             | 3.30             | 3.30             | 3.35             | 3.35             | 3.35             | 3.35             | 3.35             |                  |
|                | TC                 | 49020 | 49016           | 49017            | 49017            | 49648            | 51457            | 51447            | 51443            | 51443            | 51445            | 53167            | 53163            | 53154            | 53153            | 53151            | 56363            | 56350            | 56339            | 56336            | 56334            |                  |
| 35°F<br>1.7°C  | S/T                | 0.73  | 0.81            | 0.89             | 0.90             | 1.00             | 0.60             | 0.68             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |                  |
|                | PI                 | 2.81  | 2.81            | 2.81             | 2.81             | 2.85             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             | 3.37             | 3.36             | 3.36             | 3.36             | 3.36             |                  |
|                | TC                 | 47386 | 47500           | 47500            | 47514            | 48297            | 49849            | 49840            | 49836            | 49837            | 49838            | 51498            | 51493            | 51485            | 51484            | 51482            | 54573            | 54561            | 54549            | 54547            | 54543            |                  |
| 41°F<br>5°C    | S/T                | 0.74  | 0.82            | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.45             | 0.52             | 0.53             | 0.61             |                  |
|                | PI                 | 2.55  | 2.56            | 2.56             | 2.56             | 2.61             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             | 2.84             | 2.84             | 2.84             | 2.84             | 2.84             | 3.10             | 3.10             | 3.09             | 3.09             | 3.09             |                  |
|                | TC                 | 45982 | 45980           | 45979            | 46024            | 46930            | 48238            | 48230            | 48226            | 48226            | 48227            | 49828            | 49823            | 49815            | 49814            | 49814            | 52788            | 52776            | 52766            | 52764            | 52760            |                  |
| 47°F<br>8.3°C  | S/T                | 0.74  | 0.83            | 0.91             | 0.92             | 1.00             | 0.61             | 0.70             | 0.77             | 0.78             | 0.87             | 0.52             | 0.61             | 0.68             | 0.69             | 0.78             | 0.39             | 0.45             | 0.52             | 0.53             | 0.62             |                  |
|                | PI                 | 2.32  | 2.32            | 2.32             | 2.32             | 2.38             | 2.48             | 2.47             | 2.47             | 2.47             | 2.47             | 2.58             | 2.58             | 2.58             | 2.58             | 2.58             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             |                  |
|                | TC                 | 44913 | 45103           | 46377            | 46640            | 48403            | 47579            | 47608            | 47621            | 47670            | 48464            | 49510            | 49538            | 49567            | 49571            | 49643            | 53198            | 53178            | 53239            | 53254            | 53326            |                  |
| 50°F<br>10°C   | S/T                | 0.83  | 0.95            | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |                  |
|                | PI                 | 2.68  | 2.68            | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.67             | 2.67             | 2.67             | 2.67             | 2.67             |                  |
|                | TC                 | 44028 | 44342           | 45909            | 46183            | 48019            | 46783            | 46805            | 46875            | 46919            | 48081            | 48774            | 48799            | 48823            | 48825            | 48945            | 52603            | 52581            | 52633            | 52644            | 52700            |                  |
| 59°F<br>15°C   | S/T                | 0.85  | 0.97            | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |                  |
|                | PI                 | 2.93  | 2.93            | 2.94             | 2.94             | 2.95             | 2.94             | 2.94             | 2.94             | 2.94             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             |                  |
|                | TC                 | 43172 | 43898           | 45493            | 45776            | 47677            | 45998            | 46015            | 46142            | 46199            | 47738            | 48037            | 48063            | 48078            | 48080            | 48267            | 51966            | 51944            | 51994            | 52004            | 52047            |                  |
| 68°F<br>20°C   | S/T                | 0.87  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.91             | 0.93             | 1.00             | 0.57             | 0.69             | 0.79             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |                  |
|                | PI                 | 3.18  | 3.19            | 3.20             | 3.21             | 3.23             | 3.21             | 3.21             | 3.21             | 3.21             | 3.23             | 3.23             | 3.23             | 3.23             | 3.23             | 3.23             | 3.27             | 3.27             | 3.27             | 3.27             | 3.27             |                  |
|                | TC                 | 42252 | 43238           | 44894            | 45189            | 47165            | 45173            | 45195            | 45369            | 45442            | 47225            | 47269            | 47310            | 47334            | 47336            | 47581            | 51324            | 51300            | 51381            | 51394            | 51453            |                  |
| 77°F<br>25°C   | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.82             | 0.93             | 0.95             | 1.00             | 0.57             | 0.70             | 0.80             | 0.82             | 0.94             | 0.39             | 0.49             | 0.59             | 0.60             | 0.72             |                  |
|                | PI                 | 3.46  | 3.47            | 3.48             | 3.49             | 3.50             | 3.49             | 3.49             | 3.49             | 3.49             | 3.51             | 3.51             | 3.51             | 3.51             | 3.51             | 3.51             | 3.55             | 3.55             | 3.54             | 3.54             | 3.54             |                  |
|                | TC                 | 41997 | 43138           | 44837            | 45138            | 47162            | 44941            | 44966            | 45182            | 45271            | 47225            | 47077            | 47128            | 47153            | 47156            | 47453            | 51212            | 51221            | 51286            | 51300            | 51366            |                  |
| 82°F<br>27.8°C | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.96             | 1.00             | 0.58             | 0.70             | 0.81             | 0.83             | 0.96             | 0.39             | 0.49             | 0.59             | 0.61             | 0.72             |                  |
|                | PI                 | 3.75  | 3.76            | 3.77             | 3.78             | 3.79             | 3.78             | 3.78             | 3.78             | 3.78             | 3.79             | 3.80             | 3.80             | 3.79             | 3.79             | 3.80             | 3.83             | 3.83             | 3.83             | 3.83             | 3.83             |                  |
|                | TC                 | 42078 | 43405           | 45146            | 45453            | 47526            | 45056            | 45078            | 45347            | 45467            | 47589            | 47229            | 47279            | 47302            | 47305            | 47671            | 51439            | 51442            | 51517            | 51531            | 51591            |                  |
| 86°F<br>30°C   | S/T                | 0.90  | 1.00            | 1.00             | 1.00             | 1.00             | 0.71             | 0.84             | 0.96             | 0.98             | 1.00             | 0.58             | 0.71             | 0.82             | 0.84             | 0.97             | 0.39             | 0.50             | 0.60             | 0.61             | 0.73             |                  |
|                | PI                 | 4.13  | 4.15            | 4.17             | 4.17             | 4.20             | 4.17             | 4.17             | 4.17             | 4.17             | 4.20             | 4.20             | 4.19             | 4.19             | 4.19             | 4.20             | 4.24             | 4.24             | 4.24             | 4.24             | 4.24             |                  |
|                | TC                 | 42826 | 42835           | 43070            | 43181            | 44961            | 45626            | 45620            | 45632            | 45634            | 45715            | 47639            | 47638            | 47637            | 47639            | 47661            | 51522            | 51504            | 51489            | 51512            | 51499            |                  |
| 95°F<br>35°C   | S/T                | 0.77  | 0.87            | 0.96             | 0.98             | 1.00             | 0.63             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 4.83  | 4.83            | 4.84             | 4.85             | 4.94             | 4.98             | 4.98             | 4.98             | 4.98             | 4.99             | 5.09             | 5.09             | 5.09             | 5.09             | 5.09             | 5.31             | 5.30             | 5.30             | 5.31             | 5.30             |                  |
|                | TC                 | 36474 | 36480           | 36855            | 37195            | 38661            | 38854            | 38852            | 38863            | 38               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 12 – 48K RH High Static Cooling — 37MBRA + 45MBDA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |        |        |        |        | 64.4°F (16.0°C) |        |        |        |        | 67.0°F (19.4°C) |        |        |        |        | 71.6°F (22.0°C) |        |        |        |        |        |
|----------------|--------------------|-------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|--------|
|                |                    |       | ID DB           | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F |
|                |                    |       |                 | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C |
| 1471           | -13°F<br>25°C      | TC    | 49280           | 49263  | 49249  | 49535  | 50994  | 51450           | 51422  | 51399  | 51395  | 51359  | 52986           | 52958  | 52923  | 52917  | 52880  | 55894           | 55879  | 55837  | 55823  | 55740  |        |
|                |                    | S/T   | 0.77            | 0.88   | 0.97   | 1.00   | 1.00   | 0.63            | 0.73   | 0.81   | 0.83   | 0.93   | 0.54            | 0.63   | 0.71   | 0.73   | 0.83   | 0.39            | 0.46   | 0.54   | 0.56   | 0.65   |        |
|                |                    | PI    | 2.94            | 2.95   | 2.95   | 2.94   | 2.93   | 2.92            | 2.92   | 2.93   | 2.93   | 2.93   | 2.92            | 2.92   | 2.92   | 2.92   | 2.92   | 2.93            | 2.93   | 2.93   | 2.93   | 2.93   |        |
|                | -4°F<br>20°C       | TC    | 53071           | 53053  | 53038  | 53346  | 54916  | 55408           | 55377  | 55353  | 55348  | 55310  | 57062           | 57032  | 56994  | 56988  | 56948  | 60193           | 60177  | 60132  | 60118  | 60028  |        |
|                |                    | S/T   | 0.78            | 0.88   | 0.97   | 1.00   | 1.00   | 0.63            | 0.73   | 0.82   | 0.83   | 0.93   | 0.54            | 0.64   | 0.72   | 0.73   | 0.83   | 0.39            | 0.47   | 0.55   | 0.56   | 0.65   |        |
|                |                    | PI    | 3.05            | 3.05   | 3.05   | 3.05   | 3.03   | 3.03            | 3.03   | 3.03   | 3.03   | 3.03   | 3.02            | 3.02   | 3.02   | 3.02   | 3.02   | 3.03            | 3.03   | 3.03   | 3.03   | 3.03   |        |
|                | 0°F<br>17.8°C      | TC    | 54823           | 54799  | 55011  | 55430  | 56965  | 57213           | 57170  | 57137  | 57131  | 57122  | 58891           | 58857  | 58803  | 58795  | 58743  | 62065           | 62047  | 62050  | 62056  | 62102  |        |
|                |                    | S/T   | 0.78            | 0.89   | 0.99   | 1.00   | 1.00   | 0.64            | 0.74   | 0.83   | 0.84   | 0.95   | 0.54            | 0.64   | 0.73   | 0.74   | 0.84   | 0.39            | 0.47   | 0.55   | 0.57   | 0.66   |        |
|                |                    | PI    | 3.07            | 3.08   | 3.07   | 3.07   | 3.07   | 3.07            | 3.07   | 3.07   | 3.07   | 3.07   | 3.07            | 3.07   | 3.07   | 3.07   | 3.07   | 3.10            | 3.10   | 3.10   | 3.10   | 3.10   |        |
|                | 5°F<br>15°C        | TC    | 56435           | 56486  | 57248  | 57510  | 59268  | 59119           | 59131  | 59138  | 59139  | 59430  | 61054           | 61049  | 61065  | 61067  | 61074  | 64702           | 64683  | 64683  | 64688  | 64724  |        |
|                |                    | S/T   | 0.79            | 0.90   | 1.00   | 1.00   | 1.00   | 0.64            | 0.75   | 0.84   | 0.85   | 0.96   | 0.54            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.57   | 0.66   |        |
|                |                    | PI    | 3.10            | 3.10   | 3.10   | 3.10   | 3.11   | 3.11            | 3.11   | 3.11   | 3.11   | 3.11   | 3.13            | 3.13   | 3.13   | 3.13   | 3.13   | 3.19            | 3.19   | 3.19   | 3.19   | 3.19   |        |
|                | 14°F<br>10°C       | TC    | 59334           | 59312  | 59558  | 60079  | 61943  | 62313           | 62277  | 62247  | 62242  | 62209  | 64466           | 64435  | 64386  | 64377  | 64323  | 68520           | 68499  | 68449  | 68434  | 68329  |        |
|                |                    | S/T   | 0.78            | 0.89   | 0.99   | 1.00   | 1.00   | 0.64            | 0.74   | 0.82   | 0.84   | 0.94   | 0.54            | 0.64   | 0.72   | 0.74   | 0.83   | 0.39            | 0.47   | 0.55   | 0.56   | 0.65   |        |
|                |                    | PI    | 3.52            | 3.52   | 3.52   | 3.52   | 3.51   | 3.51            | 3.51   | 3.51   | 3.51   | 3.51   | 3.50            | 3.50   | 3.50   | 3.50   | 3.50   | 3.51            | 3.51   | 3.51   | 3.51   | 3.51   |        |
|                | 17°F<br>10°C       | TC    | 60372           | 60387  | 61127  | 61480  | 63459  | 63403           | 63409  | 63422  | 63424  | 63724  | 65425           | 65450  | 65493  | 65496  | 65512  | 69777           | 69755  | 69763  | 69776  | 69840  |        |
|                |                    | S/T   | 0.79            | 0.89   | 1.00   | 1.00   | 1.00   | 0.64            | 0.74   | 0.83   | 0.85   | 0.95   | 0.55            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.57   | 0.66   |        |
|                |                    | PI    | 3.63            | 3.63   | 3.63   | 3.63   | 3.63   | 3.62            | 3.62   | 3.63   | 3.63   | 3.63   | 3.62            | 3.62   | 3.63   | 3.63   | 3.63   | 3.65            | 3.65   | 3.65   | 3.65   | 3.65   |        |
|                | 23°F<br>5°C        | TC    | 57801           | 57882  | 58823  | 59112  | 61044  | 60768           | 60783  | 60791  | 60793  | 61152  | 62910           | 62908  | 62928  | 62930  | 62941  | 66966           | 66946  | 66948  | 66957  | 67003  |        |
|                |                    | S/T   | 0.80            | 0.91   | 1.00   | 1.00   | 1.00   | 0.65            | 0.75   | 0.84   | 0.86   | 0.97   | 0.54            | 0.65   | 0.74   | 0.75   | 0.85   | 0.39            | 0.47   | 0.56   | 0.57   | 0.66   |        |
|                |                    | PI    | 3.47            | 3.48   | 3.48   | 3.48   | 3.50   | 3.50            | 3.50   | 3.50   | 3.50   | 3.50   | 3.52            | 3.52   | 3.52   | 3.52   | 3.52   | 3.58            | 3.58   | 3.58   | 3.58   | 3.58   |        |
|                | 35°F<br>1.7°C      | TC    | 53445           | 53446  | 53549  | 53610  | 54987  | 56009           | 56001  | 56003  | 56005  | 56006  | 57809           | 57805  | 57799  | 57799  | 57805  | 61157           | 61143  | 61130  | 61138  | 61127  |        |
|                |                    | S/T   | 0.75            | 0.85   | 0.93   | 0.94   | 1.00   | 0.62            | 0.71   | 0.79   | 0.80   | 0.89   | 0.53            | 0.62   | 0.69   | 0.71   | 0.80   | 0.39            | 0.46   | 0.53   | 0.54   | 0.63   |        |
|                |                    | PI    | 2.99            | 2.99   | 3.00   | 3.00   | 3.09   | 3.17            | 3.17   | 3.17   | 3.17   | 3.17   | 3.30            | 3.30   | 3.30   | 3.30   | 3.30   | 3.59            | 3.59   | 3.59   | 3.59   | 3.59   |        |
|                | 41°F<br>5°C        | TC    | 51786           | 51787  | 51930  | 52000  | 53476  | 54258           | 54252  | 54254  | 54254  | 54302  | 55994           | 55988  | 55983  | 55984  | 55990  | 59218           | 59204  | 59191  | 59198  | 59189  |        |
|                |                    | S/T   | 0.76            | 0.86   | 0.94   | 0.96   | 1.00   | 0.62            | 0.72   | 0.80   | 0.81   | 0.90   | 0.53            | 0.62   | 0.70   | 0.71   | 0.81   | 0.39            | 0.46   | 0.53   | 0.55   | 0.64   |        |
|                |                    | PI    | 2.73            | 2.73   | 2.74   | 2.75   | 2.84   | 2.90            | 2.90   | 2.90   | 2.90   | 2.90   | 3.03            | 3.03   | 3.03   | 3.03   | 3.03   | 3.30            | 3.30   | 3.30   | 3.30   | 3.30   |        |
|                | 47°F<br>8.3°C      | TC    | 50121           | 50121  | 50314  | 50402  | 51953  | 52506           | 52499  | 52500  | 52500  | 52580  | 54178           | 54172  | 54168  | 54169  | 54172  | 57287           | 57273  | 57269  | 57267  | 57258  |        |
|                |                    | S/T   | 0.77            | 0.87   | 0.95   | 0.97   | 1.00   | 0.63            | 0.72   | 0.81   | 0.82   | 0.91   | 0.53            | 0.63   | 0.71   | 0.72   | 0.82   | 0.39            | 0.46   | 0.54   | 0.55   | 0.64   |        |
|                |                    | PI    | 2.47            | 2.47   | 2.48   | 2.49   | 2.60   | 2.63            | 2.63   | 2.63   | 2.63   | 2.64   | 2.76            | 2.76   | 2.76   | 2.76   | 2.76   | 3.01            | 3.01   | 3.01   | 3.01   | 3.00   |        |
|                | 50°F<br>10°C       | TC    | 48887           | 49686  | 51346  | 51640  | 53618  | 51760           | 51790  | 51958  | 52025  | 53681  | 53798           | 53867  | 53898  | 53902  | 54145  | 57673           | 57702  | 57842  | 57857  | 57934  |        |
|                |                    | S/T   | 0.87            | 1.00   | 1.00   | 1.00   | 1.00   | 0.69            | 0.81   | 0.92   | 0.94   | 1.00   | 0.57            | 0.69   | 0.80   | 0.81   | 0.93   | 0.39            | 0.49   | 0.58   | 0.60   | 0.71   |        |
|                |                    | PI    | 2.86            | 2.86   | 2.86   | 2.86   | 2.85   | 2.86            | 2.86   | 2.86   | 2.86   | 2.85   | 2.85            | 2.85   | 2.85   | 2.85   | 2.85   | 2.85            | 2.85   | 2.85   | 2.85   | 2.85   |        |
|                | 59°F<br>15°C       | TC    | 47969           | 49125  | 50853  | 51160  | 53218  | 50897           | 50919  | 51172  | 51271  | 53279  | 53010           | 53067  | 53089  | 53091  | 53442  | 57059           | 57074  | 57186  | 57199  | 57254  |        |
|                |                    | S/T   | 0.88            | 1.00   | 1.00   | 1.00   | 1.00   | 0.70            | 0.83   | 0.94   | 0.97   | 1.00   | 0.58            | 0.71   | 0.81   | 0.83   | 0.96   | 0.39            | 0.50   | 0.59   | 0.61   | 0.73   |        |
|                |                    | PI    | 3.13            | 3.13   | 3.14   | 3.14   | 3.15   | 3.14            | 3.14   | 3.14   | 3.14   | 3.15   | 3.15            | 3.15   | 3.15   | 3.15   | 3.15   | 3.17            | 3.17   | 3.17   | 3.17   | 3.17   |        |
|                | 68°F<br>20°C       | TC    | 47100           | 48619  | 50408  | 50726  | 52859  | 50044           | 50059  | 50451  | 50780  | 52918  | 52221           | 52264  | 52279  | 52281  | 52876  | 56388           | 56407  | 56497  | 56507  | 56548  |        |
|                |                    | S/T   | 0.91            | 1.00   | 1.00   | 1.00   | 1.00   | 0.72            | 0.85   | 0.97   | 1.00   | 1.00   | 0.59            | 0.72   | 0.84   | 0.86   | 0.99   | 0.40            | 0.50   | 0.61   | 0.62   | 0.75   |        |
|                |                    | PI    | 3.39            | 3.41   | 3.43   | 3.43   | 3.45   | 3.42            | 3.42   | 3.43   | 3.43   | 3.45   | 3.45            | 3.45   | 3.45   | 3.45   | 3.45   | 3.49            | 3.49   | 3.49   | 3.49   | 3.49   |        |
|                | 77°F<br>25°C       | TC    | 46143           | 47910  | 49769  | 50099  | 52313  | 49143           | 49166  | 49731  | 50158  | 52375  | 51387           | 51446  | 51469  | 51529  | 52422  | 55654           | 55705  | 55830  | 55843  | 55904  |        |
|                |                    | S/T   | 0.92            | 1.00   | 1.00   | 1.00   | 1.00   | 0.72            | 0.87   | 0.99   | 1.00   | 1.00   | 0.59            | 0.73   | 0.85   | 0.86   | 1.00   | 0.40            | 0.51   | 0.61   | 0.63   | 0.76   |        |
|                |                    | PI    | 3.69            | 3.71   | 3.73   | 3.73   | 3.75   | 3.72            | 3.72   | 3.73   | 3.73   | 3.75   | 3.74            | 3.74   | 3.74   | 3.74   | 3.75   | 3.78            | 3.78   | 3.78   | 3.78   | 3.78   |        |
|                | 82°F<br>27.8°C     | TC    | 45864           | 47809  | 49714  | 50053  | 52329  | 48892           | 48971  | 49775  | 50113  | 52388  | 51179           | 51247  | 51273  | 51353  | 52436  | 55513           | 55584  | 55722  | 55738  | 55804  |        |
|                |                    | S/T   | 0.94            | 1.00   | 1.00   | 1.00   | 1.00   | 0.73            | 0.87   | 1.00   | 1.00   | 1.00   | 0.60            | 0.74   | 0.86   | 0.87   | 1.00   | 0.40            | 0.51   | 0.62   | 0.63   | 0.76   |        |
|                |                    | PI    | 4.00            | 4.02   | 4.03   | 4.04   | 4.06   | 4.03            | 4.03   | 4.03   | 4.04   | 4.06   | 4.05            | 4.05   | 4.05   | 4.05   | 4.06   | 4.09            | 4.09   | 4.09   | 4.09   | 4.08   |        |
|                | 86°F<br>30°C       | TC    | 45925           | 48052  | 50002  | 50346  | 52693  | 48958           | 49060  | 50062  | 50407  | 52734  | 51293           | 51354  | 51435  | 51481  | 52783  | 55702           | 55783  | 55913  | 55928  | 55986  |        |
|                |                    | S/T   | 0.95            | 1.00   | 1.00   | 1.00   | 1.00   | 0.74            | 0.88   | 1.00   | 1.00   | 1.00   | 0.60            | 0.75   | 0.86   | 0.88   | 1.00   | 0.40            | 0.51   | 0.62   | 0.64   | 0.77   |        |
|                |                    | PI    | 4.41            | 4.44   | 4.46   | 4.46   | 4.49   | 4.45            | 4.45   | 4.46   | 4.46   | 4.49   | 4.48            | 4.47   | 4.47   | 4.47   | 4.49   | 4.53            | 4.53   | 4.52   | 4.52   | 4.52   |        |
|                | 95°F<br>35°C       | TC    | 46642           | 46725  | 47728  | 48009  | 49891  | 49625           | 49637  | 49654  | 49656  | 49993  | 51767           | 51773  | 51799  | 51803  | 51827  | 55884           | 55864  | 55870  | 55867  | 55909  |        |
|                |                    | S/T   | 0.80            | 0.91   | 1.00   | 1.00   | 1.00   | 0.65            | 0.75   | 0.84   | 0.86   | 0.96   | 0.54            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.56   | 0.66   |        |
|                |                    | PI    | 5.15            | 5.16   | 5.21   | 5.23   | 5.33   | 5.31            | 5.31   | 5.31   | 5.31   | 5.33   | 5.43            | 5.43   | 5.43   | 5.43   | 5.43   | 5.66            | 5.66   | 5.66   | 5.66   | 5.66   |        |
|                | 104°F<br>40°C      |       |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |        |

Table 12 – 48K RH High Static Cooling — 37MBRA + 45MBDA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |        |        |        |        | 64.4°F (16.0°C) |        |        |        |        | 67.0°F (19.4°C) |        |        |        |        | 71.6°F (22.0°C) |        |        |        |        |        |
|----------------|--------------------|-------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|--------|
|                |                    |       | ID DB           | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F |
|                |                    |       |                 | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C |
| 1647           | -13°F<br>25°C      | TC    | 53673           | 53649  | 54414  | 54640  | 56143  | 56000           | 55954  | 55919  | 55913  | 55867  | 57675           | 57602  | 57547  | 57539  | 57484  | 60836           | 60819  | 60694  | 60671  | 60543  |        |
|                |                    | S/T   | 0.80            | 0.91   | 1.00   | 1.00   | 1.00   | 0.65            | 0.75   | 0.85   | 0.86   | 0.97   | 0.55            | 0.65   | 0.74   | 0.76   | 0.86   | 0.39            | 0.47   | 0.56   | 0.57   | 0.67   |        |
|                |                    | PI    | 3.16            | 3.16   | 3.16   | 3.16   | 3.15   | 3.14            | 3.15   | 3.15   | 3.15   | 3.15   | 3.14            | 3.14   | 3.14   | 3.14   | 3.14   | 3.16            | 3.16   | 3.16   | 3.16   | 3.16   |        |
|                | -4°F<br>20°C       | TC    | 57802           | 57775  | 58600  | 58843  | 60462  | 60308           | 60258  | 60220  | 60215  | 60165  | 62111           | 62033  | 61974  | 61966  | 61906  | 65515           | 65497  | 65363  | 65338  | 65200  |        |
|                |                    | S/T   | 0.80            | 0.92   | 1.00   | 1.00   | 1.00   | 0.65            | 0.76   | 0.85   | 0.87   | 0.98   | 0.55            | 0.65   | 0.74   | 0.76   | 0.86   | 0.39            | 0.48   | 0.56   | 0.57   | 0.67   |        |
|                |                    | PI    | 3.28            | 3.28   | 3.27   | 3.27   | 3.26   | 3.26            | 3.26   | 3.26   | 3.26   | 3.26   | 3.25            | 3.25   | 3.26   | 3.26   | 3.26   | 3.26            | 3.27   | 3.27   | 3.27   | 3.27   | 3.28   |
|                | 0°F<br>17.8°C      | TC    | 59720           | 59685  | 60793  | 61046  | 62723  | 62282           | 62213  | 62165  | 62157  | 62782  | 64112           | 64021  | 63942  | 63932  | 63902  | 67560           | 67544  | 67539  | 67548  | 67592  |        |
|                |                    | S/T   | 0.81            | 0.93   | 1.00   | 1.00   | 1.00   | 0.66            | 0.77   | 0.86   | 0.88   | 1.00   | 0.55            | 0.66   | 0.75   | 0.77   | 0.87   | 0.39            | 0.48   | 0.57   | 0.58   | 0.68   |        |
|                |                    | PI    | 3.30            | 3.30   | 3.30   | 3.30   | 3.30   | 3.30            | 3.30   | 3.30   | 3.30   | 3.30   | 3.30            | 3.30   | 3.31   | 3.31   | 3.31   | 3.34            | 3.34   | 3.34   | 3.34   | 3.34   |        |
|                | 5°F<br>15°C        | TC    | 61432           | 61644  | 63053  | 63344  | 65296  | 64314           | 64330  | 64334  | 64400  | 65360  | 66370           | 66387  | 66401  | 66403  | 66491  | 70263           | 70242  | 70279  | 70286  | 70317  |        |
|                |                    | S/T   | 0.82            | 0.94   | 1.00   | 1.00   | 1.00   | 0.66            | 0.78   | 0.87   | 0.88   | 1.00   | 0.56            | 0.67   | 0.76   | 0.78   | 0.88   | 0.39            | 0.48   | 0.57   | 0.59   | 0.69   |        |
|                |                    | PI    | 3.33            | 3.33   | 3.34   | 3.34   | 3.35   | 3.34            | 3.34   | 3.34   | 3.35   | 3.36   | 3.37            | 3.37   | 3.37   | 3.37   | 3.37   | 3.44            | 3.44   | 3.44   | 3.44   | 3.44   |        |
|                | 14°F<br>10°C       | TC    | 64637           | 64605  | 65924  | 66233  | 68287  | 67846           | 67787  | 67740  | 67733  | 68367  | 70171           | 70083  | 70012  | 70001  | 69930  | 74614           | 74591  | 74448  | 74422  | 74263  |        |
|                |                    | S/T   | 0.81            | 0.93   | 1.00   | 1.00   | 1.00   | 0.65            | 0.76   | 0.86   | 0.87   | 1.00   | 0.55            | 0.66   | 0.75   | 0.76   | 0.87   | 0.39            | 0.48   | 0.56   | 0.57   | 0.67   |        |
|                |                    | PI    | 3.79            | 3.79   | 3.78   | 3.78   | 3.77   | 3.77            | 3.77   | 3.77   | 3.77   | 3.77   | 3.77            | 3.77   | 3.77   | 3.77   | 3.77   | 3.78            | 3.78   | 3.79   | 3.79   | 3.79   |        |
|                | 17°F<br>10°C       | TC    | 65549           | 65763  | 67282  | 67611  | 69807  | 68812           | 68840  | 68853  | 68911  | 69882  | 71160           | 71187  | 71215  | 71218  | 71306  | 75681           | 75660  | 75648  | 75662  | 75726  |        |
|                |                    | S/T   | 0.82            | 0.93   | 1.00   | 1.00   | 1.00   | 0.66            | 0.77   | 0.87   | 0.88   | 1.00   | 0.55            | 0.66   | 0.76   | 0.77   | 0.87   | 0.39            | 0.48   | 0.57   | 0.58   | 0.68   |        |
|                |                    | PI    | 3.90            | 3.90   | 3.90   | 3.90   | 3.90   | 3.90            | 3.90   | 3.90   | 3.90   | 3.90   | 3.90            | 3.90   | 3.90   | 3.90   | 3.91   | 3.93            | 3.93   | 3.94   | 3.94   | 3.94   |        |
|                | 23°F<br>5°C        | TC    | 62919           | 63190  | 64824  | 65145  | 67291  | 66105           | 66125  | 66132  | 66219  | 67364  | 68385           | 68409  | 68427  | 68428  | 68539  | 72714           | 72692  | 72743  | 72753  | 72795  |        |
|                |                    | S/T   | 0.83            | 0.95   | 1.00   | 1.00   | 1.00   | 0.66            | 0.78   | 0.88   | 0.89   | 1.00   | 0.56            | 0.67   | 0.76   | 0.78   | 0.89   | 0.39            | 0.48   | 0.57   | 0.59   | 0.69   |        |
|                |                    | PI    | 3.74            | 3.74   | 3.75   | 3.75   | 3.78   | 3.76            | 3.76   | 3.76   | 3.76   | 3.78   | 3.79            | 3.79   | 3.79   | 3.79   | 3.79   | 3.86            | 3.86   | 3.86   | 3.86   | 3.86   |        |
|                | 35°F<br>1.7°C      | TC    | 58221           | 58223  | 58565  | 58728  | 60623  | 60942           | 60940  | 60945  | 60945  | 61108  | 62850           | 62846  | 62849  | 62851  | 62857  | 66389           | 66373  | 66370  | 66367  | 66373  |        |
|                |                    | S/T   | 0.78            | 0.88   | 0.97   | 0.99   | 1.00   | 0.63            | 0.73   | 0.82   | 0.83   | 0.93   | 0.54            | 0.63   | 0.72   | 0.73   | 0.83   | 0.39            | 0.46   | 0.54   | 0.56   | 0.65   |        |
|                |                    | PI    | 3.22            | 3.22   | 3.24   | 3.25   | 3.39   | 3.41            | 3.41   | 3.41   | 3.41   | 3.42   | 3.56            | 3.56   | 3.56   | 3.56   | 3.56   | 3.87            | 3.87   | 3.87   | 3.87   | 3.87   |        |
|                | 41°F<br>5°C        | TC    | 56411           | 56411  | 56860  | 57256  | 58948  | 59034           | 59033  | 59036  | 59036  | 59243  | 60876           | 60872  | 60875  | 60876  | 60880  | 64291           | 64276  | 64272  | 64269  | 64276  |        |
|                |                    | S/T   | 0.78            | 0.89   | 0.98   | 1.00   | 1.00   | 0.64            | 0.74   | 0.83   | 0.84   | 0.94   | 0.54            | 0.64   | 0.72   | 0.74   | 0.84   | 0.39            | 0.47   | 0.55   | 0.56   | 0.66   |        |
|                |                    | PI    | 2.93            | 2.93   | 2.96   | 2.99   | 3.11   | 3.12            | 3.12   | 3.12   | 3.12   | 3.14   | 3.26            | 3.26   | 3.26   | 3.26   | 3.26   | 3.55            | 3.55   | 3.55   | 3.55   | 3.55   |        |
|                | 47°F<br>8.3°C      | TC    | 54597           | 54633  | 55366  | 55613  | 57259  | 57128           | 57126  | 57128  | 57127  | 57392  | 58903           | 58897  | 58901  | 58901  | 58901  | 62200           | 62185  | 62179  | 62177  | 62183  |        |
|                |                    | S/T   | 0.79            | 0.90   | 1.00   | 1.00   | 1.00   | 0.64            | 0.75   | 0.84   | 0.85   | 0.96   | 0.54            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.57   | 0.67   |        |
|                |                    | PI    | 2.66            | 2.66   | 2.71   | 2.73   | 2.85   | 2.84            | 2.84   | 2.84   | 2.84   | 2.86   | 2.97            | 2.97   | 2.97   | 2.97   | 2.97   | 3.24            | 3.24   | 3.23   | 3.23   | 3.23   |        |
|                | 50°F<br>10°C       | TC    | 53296           | 54763  | 56611  | 56939  | 59147  | 56305           | 56336  | 56725  | 56904  | 59203  | 58501           | 58577  | 58608  | 58611  | 59175  | 62533           | 62698  | 62860  | 62879  | 62957  |        |
|                |                    | S/T   | 0.90            | 1.00   | 1.00   | 1.00   | 1.00   | 0.71            | 0.85   | 0.96   | 0.99   | 1.00   | 0.59            | 0.72   | 0.83   | 0.85   | 0.99   | 0.40            | 0.50   | 0.60   | 0.62   | 0.74   |        |
|                |                    | PI    | 3.08            | 3.08   | 3.08   | 3.08   | 3.07   | 3.08            | 3.08   | 3.08   | 3.08   | 3.07   | 3.07            | 3.07   | 3.07   | 3.07   | 3.07   | 3.07            | 3.07   | 3.07   | 3.07   | 3.07   |        |
|                | 59°F<br>15°C       | TC    | 52328           | 54164  | 56086  | 56427  | 58723  | 55365           | 55441  | 56070  | 56488  | 58781  | 57649           | 57708  | 57728  | 57812  | 58830  | 61904           | 62028  | 62151  | 62165  | 62217  |        |
|                |                    | S/T   | 0.92            | 1.00   | 1.00   | 1.00   | 1.00   | 0.73            | 0.86   | 1.00   | 1.00   | 1.00   | 0.60            | 0.73   | 0.85   | 0.86   | 1.00   | 0.40            | 0.51   | 0.61   | 0.63   | 0.76   |        |
|                |                    | PI    | 3.37            | 3.38   | 3.38   | 3.39   | 3.40   | 3.38            | 3.38   | 3.39   | 3.39   | 3.40   | 3.39            | 3.39   | 3.39   | 3.39   | 3.40   | 3.42            | 3.41   | 3.41   | 3.41   | 3.41   |        |
|                | 68°F<br>20°C       | TC    | 51341           | 53533  | 55518  | 55871  | 58242  | 54353           | 54475  | 55578  | 55931  | 58300  | 56703           | 56745  | 56847  | 56897  | 58347  | 61097           | 61211  | 61307  | 61316  | 61348  |        |
|                |                    | S/T   | 0.95            | 1.00   | 1.00   | 1.00   | 1.00   | 0.74            | 0.89   | 1.00   | 1.00   | 1.00   | 0.61            | 0.75   | 0.87   | 0.89   | 1.00   | 0.40            | 0.51   | 0.63   | 0.65   | 0.78   |        |
|                |                    | PI    | 3.66            | 3.68   | 3.70   | 3.70   | 3.72   | 3.69            | 3.69   | 3.70   | 3.70   | 3.72   | 3.71            | 3.71   | 3.71   | 3.71   | 3.72   | 3.76            | 3.76   | 3.76   | 3.76   | 3.76   |        |
|                | 77°F<br>25°C       | TC    | 50320           | 52743  | 54807  | 55172  | 57637  | 53346           | 53515  | 54867  | 55234  | 57695  | 55762           | 55824  | 55967  | 56029  | 57744  | 60225           | 60408  | 60547  | 60562  | 60619  |        |
|                |                    | S/T   | 0.97            | 1.00   | 1.00   | 1.00   | 1.00   | 0.75            | 0.90   | 1.00   | 1.00   | 1.00   | 0.61            | 0.76   | 0.88   | 0.90   | 1.00   | 0.40            | 0.52   | 0.63   | 0.65   | 0.79   |        |
|                |                    | PI    | 3.98            | 4.00   | 4.02   | 4.02   | 4.04   | 4.01            | 4.01   | 4.02   | 4.02   | 4.04   | 4.03            | 4.03   | 4.03   | 4.03   | 4.04   | 4.08            | 4.07   | 4.07   | 4.07   | 4.07   |        |
|                | 82°F<br>27.8°C     | TC    | 50055           | 52610  | 54732  | 55103  | 57627  | 53043           | 53247  | 54780  | 55165  | 57687  | 55510           | 55580  | 55753  | 55822  | 57738  | 60018           | 60244  | 60401  | 60417  | 60483  |        |
|                |                    | S/T   | 0.99            | 1.00   | 1.00   | 1.00   | 1.00   | 0.76            | 0.91   | 1.00   | 1.00   | 1.00   | 0.62            | 0.77   | 0.89   | 0.92   | 1.00   | 0.40            | 0.52   | 0.64   | 0.66   | 0.80   |        |
|                |                    | PI    | 4.31            | 4.33   | 4.35   | 4.35   | 4.37   | 4.34            | 4.34   | 4.35   | 4.35   | 4.37   | 4.36            | 4.36   | 4.36   | 4.36   | 4.37   | 4.41            | 4.41   | 4.40   | 4.40   | 4.40   |        |
|                | 86°F<br>30°C       | TC    | 50392           | 52908  | 55071  | 55455  | 58038  | 53143           | 53387  | 55132  | 55519  | 58098  | 55661           | 55725  | 55929  | 56010  | 58148  | 60259           | 60492  | 60635  | 60650  | 60707  |        |
|                |                    | S/T   | 1.00            | 1.00   | 1.00   | 1.00   | 1.00   | 0.77            | 0.93   | 1.00   | 1.00   | 1.00   | 0.62            | 0.78   | 0.91   | 0.93   | 1.00   | 0.40            | 0.52   | 0.64   | 0.66   | 0.81   |        |
|                |                    | PI    | 4.76            | 4.78   | 4.81   | 4.81   | 4.84   | 4.79            | 4.79   | 4.81   | 4.81   | 4.84   | 4.82            | 4.82   | 4.82   | 4.82   | 4.84   | 4.88            | 4.88   | 4.87   | 4.87   | 4.87   |        |
|                | 95°F<br>35°C       | TC    | 50775           | 51049  | 52699  | 53011  | 55106  | 53963           | 53995  | 54012  | 54075  | 55176  | 56279           | 56291  | 56325  | 56330  | 56424  | 60643           | 60620  | 60632  | 60650  | 60731  |        |
|                |                    | S/T   | 0.83            | 0.95   | 1.00   | 1.00   | 1.00   | 0.66            | 0.78   | 0.88   | 0.89   | 1.00   | 0.56            | 0.67   | 0.76   | 0.78   | 0.88   | 0.39            | 0.48   | 0.57   | 0.58   | 0.68   |        |
|                |                    | PI    | 5.55            | 5.56   | 5.65   | 5.66   | 5.78   | 5.72            | 5.72   | 5.72   | 5.72   | 5.78   | 5.85            | 5.85   | 5.85   | 5.85   | 5.86   | 6.09            | 6.09   | 6.09   | 6.09   | 6.09   |        |
|                | 1                  |       |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |        |

Table 13 – 60K RH High Static Cooling — 37MBRA + 45MBDA

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 1118           | -13°F<br>25°C      | TC    | 42526            | 42519            | 42514            | 42513            | 42505            | 44505            | 44493            | 44486            | 44485            | 44477            | 45908            | 45897            | 45886            | 45884            | 45874            | 48541            | 48528            | 48517            | 48515            | 48499            |
|                |                    | S/T   | 0.72             | 0.80             | 0.87             | 0.88             | 0.97             | 0.59             | 0.67             | 0.74             | 0.76             | 0.83             | 0.51             | 0.59             | 0.66             | 0.67             | 0.75             | 0.38             | 0.46             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.75             | 2.75             | 2.75             | 2.75             | 2.75             | 2.73             | 2.73             | 2.74             | 2.74             | 2.74             | 2.73             | 2.73             | 2.73             | 2.73             | 2.73             |
|                | -4°F<br>20°C       | TC    | 45797            | 45790            | 45784            | 45783            | 45775            | 47929            | 47916            | 47908            | 47907            | 47898            | 49440            | 49427            | 49416            | 49414            | 49403            | 52275            | 52261            | 52249            | 52247            | 52230            |
|                |                    | S/T   | 0.72             | 0.80             | 0.88             | 0.89             | 0.97             | 0.60             | 0.68             | 0.75             | 0.76             | 0.84             | 0.52             | 0.59             | 0.66             | 0.67             | 0.75             | 0.39             | 0.47             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.83             | 2.83             | 2.83             | 2.83             | 2.83             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             |
|                | 0°F<br>17.8°C      | TC    | 47287            | 47278            | 47270            | 47269            | 47255            | 49467            | 49457            | 49445            | 49444            | 49431            | 51010            | 50996            | 50985            | 50983            | 50967            | 53888            | 53874            | 53863            | 53862            | 53840            |
|                |                    | S/T   | 0.72             | 0.81             | 0.88             | 0.90             | 0.98             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 2.90             | 2.90             | 2.90             | 2.90             | 2.91             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             |
|                | 5°F<br>15°C        | TC    | 48770            | 48770            | 48770            | 48770            | 49499            | 51206            | 51197            | 51195            | 51196            | 51200            | 52956            | 52953            | 52945            | 52944            | 52949            | 56314            | 56299            | 56286            | 56283            | 56283            |
|                |                    | S/T   | 0.73             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.86             | 0.52             | 0.60             | 0.67             | 0.68             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             |
|                | 14°F<br>10°C       | TC    | 45838            | 45832            | 45826            | 45825            | 46048            | 48244            | 48232            | 48224            | 48223            | 48214            | 49963            | 49951            | 49938            | 49937            | 49926            | 53228            | 53213            | 53200            | 53198            | 53181            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 0.99             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.66             | 0.68             | 0.76             | 0.39             | 0.47             | 0.51             | 0.53             | 0.60             |
|                |                    | PI    | 2.85             | 2.85             | 2.85             | 2.85             | 2.85             | 2.83             | 2.83             | 2.83             | 2.83             | 2.83             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             |
|                | 17°F<br>10°C       | TC    | 44899            | 44890            | 44883            | 44882            | 45529            | 47254            | 47243            | 47233            | 47232            | 47232            | 48945            | 48944            | 48936            | 48935            | 48942            | 52250            | 52235            | 52223            | 52221            | 52223            |
|                |                    | S/T   | 0.73             | 0.82             | 0.89             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.80             | 2.80             | 2.80             | 2.80             | 2.80             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             |
|                | 23°F<br>5°C        | TC    | 44654            | 44655            | 44655            | 44685            | 45500            | 47057            | 47048            | 47047            | 47048            | 47053            | 48787            | 48783            | 48776            | 48775            | 48780            | 52112            | 52097            | 52084            | 52082            | 52083            |
|                |                    | S/T   | 0.74             | 0.83             | 0.90             | 0.91             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.67             | 2.67             | 2.67             | 2.67             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.69             | 2.69             | 2.69             | 2.69             | 2.69             | 2.73             | 2.73             | 2.73             | 2.73             | 2.73             |
|                | 35°F<br>1.7°C      | TC    | 44529            | 44526            | 44523            | 44523            | 44584            | 46836            | 46832            | 46826            | 46825            | 46821            | 48467            | 48457            | 48455            | 48454            | 48446            | 51519            | 51507            | 51498            | 51496            | 51493            |
|                |                    | S/T   | 0.70             | 0.78             | 0.85             | 0.86             | 0.93             | 0.59             | 0.66             | 0.72             | 0.74             | 0.81             | 0.51             | 0.58             | 0.64             | 0.65             | 0.73             | 0.39             | 0.46             | 0.50             | 0.51             | 0.58             |
|                |                    | PI    | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.41             | 2.41             | 2.41             | 2.41             | 2.41             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             |
|                | 41°F<br>5°C        | TC    | 42077            | 42072            | 42070            | 42069            | 42168            | 44239            | 44235            | 44229            | 44228            | 44225            | 45768            | 45759            | 45755            | 45755            | 45747            | 48630            | 48620            | 48610            | 48609            | 48606            |
|                |                    | S/T   | 0.71             | 0.79             | 0.86             | 0.87             | 0.95             | 0.59             | 0.67             | 0.73             | 0.74             | 0.82             | 0.51             | 0.59             | 0.65             | 0.66             | 0.73             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.11             | 2.11             | 2.11             | 2.11             | 2.11             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.55             | 2.55             | 2.54             | 2.54             | 2.54             |
|                | 47°F<br>8.3°C      | TC    | 39614            | 39609            | 39607            | 39607            | 39744            | 41636            | 41632            | 41626            | 41626            | 41622            | 43068            | 43058            | 43055            | 43054            | 43048            | 45742            | 45732            | 45723            | 45721            | 45717            |
|                |                    | S/T   | 0.71             | 0.80             | 0.87             | 0.88             | 0.96             | 0.59             | 0.67             | 0.74             | 0.75             | 0.83             | 0.51             | 0.59             | 0.65             | 0.66             | 0.74             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 1.94             | 1.94             | 1.94             | 1.94             | 1.95             | 2.07             | 2.07             | 2.07             | 2.07             | 2.07             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.37             | 2.37             | 2.36             | 2.36             | 2.36             |
|                | 50°F<br>10°C       | TC    | 38789            | 38795            | 39152            | 39470            | 40935            | 41135            | 41144            | 41156            | 41158            | 41309            | 42838            | 42841            | 42860            | 42864            | 42881            | 46137            | 46119            | 46126            | 46123            | 46163            |
|                |                    | S/T   | 0.79             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             |
|                | 59°F<br>15°C       | TC    | 38076            | 38134            | 38885            | 39112            | 40641            | 40497            | 40506            | 40514            | 40515            | 40763            | 42269            | 42259            | 42276            | 42278            | 42291            | 45667            | 45649            | 45652            | 45650            | 45684            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 2.44             | 2.44             | 2.45             | 2.45             | 2.46             | 2.46             | 2.46             | 2.46             | 2.46             | 2.46             | 2.47             | 2.46             | 2.46             | 2.46             | 2.46             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             |
|                | 68°F<br>20°C       | TC    | 37390            | 37512            | 38572            | 38808            | 40395            | 39873            | 39880            | 39886            | 39886            | 40365            | 41685            | 41676            | 41692            | 41694            | 41702            | 45170            | 45151            | 45152            | 45151            | 45186            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.65             | 2.65             | 2.66             | 2.66             | 2.68             | 2.67             | 2.67             | 2.67             | 2.67             | 2.68             | 2.69             | 2.69             | 2.69             | 2.69             | 2.69             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             |
|                | 77°F<br>25°C       | TC    | 36649            | 36831            | 38095            | 38343            | 39994            | 39214            | 39227            | 39235            | 39273            | 40051            | 41088            | 41086            | 41107            | 41110            | 41160            | 44697            | 44676            | 44682            | 44682            | 44734            |
|                |                    | S/T   | 0.83             | 0.96             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.55             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 2.87             | 2.87             | 2.89             | 2.89             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.91             | 2.91             | 2.91             | 2.91             | 2.91             | 2.94             | 2.94             | 2.94             | 2.94             | 2.94             |
|                | 82°F<br>27.8°C     | TC    | 36557            | 36793            | 38204            | 38457            | 40156            | 39181            | 39200            | 39233            | 39267            | 40215            | 41102            | 41104            | 41128            | 41131            | 41201            | 44800            | 44779            | 44787            | 44791            | 44851            |
|                |                    | S/T   | 0.84             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.88             | 0.90             | 1.00             | 0.56             | 0.67             | 0.77             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.19             | 3.19             | 3.21             | 3.21             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.23             | 3.23             | 3.23             | 3.23             | 3.23             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             |
|                | 86°F<br>30°C       | TC    | 36887            | 37209            | 38760            | 39021            | 40776            | 39584            | 39601            | 39655            | 39695            | 40835            | 41552            | 41557            | 41579            | 41582            | 41676            | 45346            | 45324            | 45332            | 45341            | 45398            |
|                |                    | S/T   | 0.85             | 0.98             | 1.00             | 1.00             | 1.00             | 0.67             | 0.80             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.68             | 3.68             | 3.70             | 3.71             | 3.73             | 3.71             | 3.71             | 3.71             | 3.71             | 3.73             | 3.74             | 3.74             | 3.74             | 3.74             | 3.74             | 3.78             | 3.78             | 3.78             | 3.78             | 3.78             |
|                | 95°F<br>35°C       | TC    | 38205            | 38204            | 38207            | 38250            | 39229            | 40763            | 40753            | 40750            | 40751            | 40759            | 42608            | 42604            | 42595            | 42594            | 42595            | 46173            | 46157            | 46144            | 46142            | 46142            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.87             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 4.62             | 4.62             | 4.62             | 4.62             | 4.68             | 4.76             | 4.76             | 4.76             | 4.76             | 4.76             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 13 – 60K RH High Static Cooling — 37MBRA + 45MBDA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    | TC    | 48532           | 48521            | 48512            | 48511            | 49506            | 50717            | 50702            | 50689            | 50686            | 50670            | 52265            | 52249            | 52231            | 52227            | 52203            | 55171            | 55157            | 55135            | 55133            | 55097            |
| -13°F<br>25°C  | S/T                | 0.75  | 0.84            | 0.92             | 0.93             | 1.00             | 0.61             | 0.70             | 0.78             | 0.79             | 0.88             | 0.52             | 0.61             | 0.69             | 0.70             | 0.79             | 0.38             | 0.46             | 0.53             | 0.54             | 0.62             |                  |
|                | PI                 | 3.06  | 3.06            | 3.06             | 3.06             | 3.05             | 3.03             | 3.03             | 3.04             | 3.04             | 3.04             | 3.02             | 3.02             | 3.03             | 3.03             | 3.03             | 3.03             | 3.03             | 3.03             | 3.03             | 3.03             |                  |
|                | TC                 | 52265 | 52254           | 52243            | 52242            | 53314            | 54618            | 54602            | 54588            | 54585            | 54567            | 56286            | 56268            | 56248            | 56244            | 56219            | 59415            | 59399            | 59376            | 59374            | 59335            |                  |
| -4°F<br>20°C   | S/T                | 0.75  | 0.84            | 0.92             | 0.94             | 1.00             | 0.61             | 0.71             | 0.78             | 0.79             | 0.88             | 0.53             | 0.61             | 0.69             | 0.70             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 3.17  | 3.17            | 3.17             | 3.17             | 3.16             | 3.14             | 3.14             | 3.14             | 3.14             | 3.15             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             |                  |
|                | TC                 | 53974 | 53959           | 53947            | 53945            | 55289            | 56381            | 56361            | 56339            | 56335            | 56312            | 58082            | 58059            | 58034            | 58029            | 57993            | 61245            | 61232            | 61225            | 61221            | 61229            |                  |
| 0°F<br>17.8°C  | S/T                | 0.75  | 0.85            | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 3.20  | 3.20            | 3.20             | 3.20             | 3.19             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.20             | 3.20             | 3.20             | 3.20             | 3.20             |                  |
|                | TC                 | 55615 | 55620           | 55794            | 55873            | 57507            | 58323            | 58321            | 58329            | 58330            | 58400            | 60265            | 60262            | 60266            | 60268            | 60280            | 63969            | 63951            | 63953            | 63950            | 63954            |                  |
| 5°F<br>15°C    | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 3.23  | 3.23            | 3.23             | 3.23             | 3.23             | 3.23             | 3.23             | 3.23             | 3.23             | 3.23             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.29             | 3.29             | 3.29             | 3.29             | 3.29             |                  |
|                | TC                 | 52301 | 52289           | 52279            | 52277            | 53762            | 54972            | 54956            | 54941            | 54937            | 54920            | 56882            | 56863            | 56843            | 56839            | 56813            | 60512            | 60495            | 60471            | 60469            | 60429            |                  |
| 14°F<br>10°C   | S/T                | 0.75  | 0.85            | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |                  |
|                | PI                 | 3.15  | 3.15            | 3.15             | 3.15             | 3.14             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             |                  |
|                | TC                 | 51195 | 51179           | 51313            | 51384            | 52924            | 53810            | 53791            | 53804            | 53805            | 53862            | 55694            | 55694            | 55702            | 55706            | 55723            | 59348            | 59331            | 59336            | 59333            | 59346            |                  |
| 17°F<br>10°C   | S/T                | 0.76  | 0.86            | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 3.09  | 3.09            | 3.09             | 3.09             | 3.09             | 3.08             | 3.08             | 3.08             | 3.08             | 3.08             | 3.08             | 3.08             | 3.08             | 3.08             | 3.08             | 3.10             | 3.10             | 3.10             | 3.10             | 3.10             |                  |
|                | TC                 | 50924 | 50929           | 51136            | 51227            | 52910            | 53596            | 53595            | 53604            | 53605            | 53691            | 55516            | 55514            | 55520            | 55522            | 55534            | 59194            | 59176            | 59179            | 59176            | 59185            |                  |
| 23°F<br>5°C    | S/T                | 0.77  | 0.87            | 0.95             | 0.97             | 1.00             | 0.62             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |                  |
|                | PI                 | 2.95  | 2.95            | 2.95             | 2.95             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 3.02             | 3.02             | 3.02             | 3.02             | 3.02             |                  |
|                | TC                 | 50865 | 50861           | 50862            | 50862            | 51516            | 53393            | 53384            | 53379            | 53379            | 53382            | 55168            | 55164            | 55155            | 55154            | 55152            | 58484            | 58470            | 58459            | 58457            | 58454            |                  |
| 35°F<br>1.7°C  | S/T                | 0.73  | 0.81            | 0.89             | 0.90             | 1.00             | 0.60             | 0.68             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |                  |
|                | PI                 | 2.51  | 2.51            | 2.51             | 2.51             | 2.55             | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 3.01             | 3.01             | 3.01             | 3.01             | 3.01             |                  |
|                | TC                 | 47935 | 48050           | 48051            | 48065            | 48857            | 50427            | 50417            | 50413            | 50414            | 50415            | 52094            | 52090            | 52081            | 52080            | 52079            | 55206            | 55193            | 55182            | 55179            | 55175            |                  |
| 41°F<br>5°C    | S/T                | 0.74  | 0.82            | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.45             | 0.52             | 0.53             | 0.61             |                  |
|                | PI                 | 2.32  | 2.33            | 2.33             | 2.33             | 2.37             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.58             | 2.58             | 2.58             | 2.58             | 2.58             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             |                  |
|                | TC                 | 45237 | 45235           | 45234            | 45279            | 46170            | 47456            | 47448            | 47444            | 47445            | 47445            | 49021            | 49015            | 49008            | 49007            | 49006            | 51933            | 51920            | 51911            | 51909            | 51905            |                  |
| 47°F<br>8.3°C  | S/T                | 0.74  | 0.83            | 0.91             | 0.92             | 1.00             | 0.61             | 0.70             | 0.77             | 0.78             | 0.87             | 0.52             | 0.61             | 0.68             | 0.69             | 0.78             | 0.39             | 0.45             | 0.52             | 0.53             | 0.62             |                  |
|                | PI                 | 2.15  | 2.15            | 2.15             | 2.15             | 2.21             | 2.30             | 2.29             | 2.29             | 2.29             | 2.29             | 2.40             | 2.40             | 2.40             | 2.40             | 2.40             | 2.62             | 2.61             | 2.61             | 2.61             | 2.61             |                  |
|                | TC                 | 44206 | 44393           | 45646            | 45905            | 47640            | 46829            | 46858            | 46871            | 46919            | 47700            | 48730            | 48758            | 48786            | 48790            | 48861            | 52360            | 52340            | 52401            | 52415            | 52486            |                  |
| 50°F<br>10°C   | S/T                | 0.83  | 0.95            | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |                  |
|                | PI                 | 2.48  | 2.48            | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.47             |                  |
|                | TC                 | 43395 | 43705           | 45250            | 45520            | 47329            | 46111            | 46133            | 46202            | 46245            | 47390            | 48074            | 48098            | 48121            | 48124            | 48241            | 51848            | 51826            | 51877            | 51888            | 51943            |                  |
| 59°F<br>15°C   | S/T                | 0.85  | 0.97            | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |                  |
|                | PI                 | 2.70  | 2.71            | 2.71             | 2.71             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             | 2.73             | 2.73             | 2.73             | 2.73             | 2.73             | 2.74             | 2.74             | 2.74             | 2.74             | 2.74             |                  |
|                | TC                 | 42614 | 43330           | 44905            | 45184            | 47060            | 45403            | 45420            | 45546            | 45601            | 47121            | 47416            | 47441            | 47456            | 47458            | 47643            | 51294            | 51272            | 51322            | 51332            | 51374            |                  |
| 68°F<br>20°C   | S/T                | 0.87  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.91             | 0.93             | 1.00             | 0.57             | 0.69             | 0.79             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |                  |
|                | PI                 | 2.93  | 2.93            | 2.95             | 2.95             | 2.97             | 2.96             | 2.95             | 2.96             | 2.96             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             | 3.01             | 3.01             | 3.01             | 3.01             | 3.01             |                  |
|                | TC                 | 41768 | 42742           | 44380            | 44671            | 46625            | 44656            | 44677            | 44849            | 44921            | 46684            | 46728            | 46768            | 46791            | 46794            | 47036            | 50736            | 50712            | 50793            | 50805            | 50863            |                  |
| 77°F<br>25°C   | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.69             | 0.82             | 0.93             | 0.95             | 1.00             | 0.57             | 0.70             | 0.80             | 0.82             | 0.94             | 0.39             | 0.49             | 0.59             | 0.60             | 0.72             |                  |
|                | PI                 | 3.18  | 3.19            | 3.20             | 3.20             | 3.22             | 3.20             | 3.20             | 3.21             | 3.21             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.26             | 3.26             | 3.26             | 3.25             | 3.25             |                  |
|                | TC                 | 41696 | 42829           | 44515            | 44814            | 46824            | 44619            | 44643            | 44858            | 44946            | 46887            | 46739            | 46790            | 46814            | 46818            | 47112            | 50844            | 50854            | 50918            | 50932            | 50998            |                  |
| 82°F<br>27.8°C | S/T                | 0.88  | 1.00            | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.96             | 1.00             | 0.58             | 0.70             | 0.81             | 0.83             | 0.96             | 0.39             | 0.49             | 0.59             | 0.61             | 0.72             |                  |
|                | PI                 | 3.53  | 3.54            | 3.56             | 3.56             | 3.57             | 3.56             | 3.56             | 3.56             | 3.56             | 3.58             | 3.58             | 3.58             | 3.58             | 3.58             | 3.58             | 3.61             | 3.61             | 3.61             | 3.61             | 3.61             |                  |
|                | TC                 | 42101 | 43430           | 45171            | 45479            | 47553            | 45081            | 45103            | 45373            | 45493            | 47616            | 47256            | 47306            | 47328            | 47331            | 47698            | 51468            | 51471            | 51546            | 51560            | 51620            |                  |
| 86°F<br>30°C   | S/T                | 0.90  | 1.00            | 1.00             | 1.00             | 1.00             | 0.71             | 0.84             | 0.96             | 0.98             | 1.00             | 0.58             | 0.71             | 0.82             | 0.84             | 0.97             | 0.39             | 0.50             | 0.60             | 0.61             | 0.73             |                  |
|                | PI                 | 4.07  | 4.09            | 4.11             | 4.11             | 4.13             | 4.11             | 4.11             | 4.11             | 4.11             | 4.13             | 4.13             | 4.13             | 4.13             | 4.13             | 4.13             | 4.18             | 4.18             | 4.18             | 4.18             | 4.18             |                  |
|                | TC                 | 43588 | 43597           | 43836            | 43949            | 45761            | 46437            | 46432            | 46444            | 46446            | 46529            | 48487            | 48485            | 48484            | 48486            | 48508            | 52438            | 52420            | 52405            | 52429            | 52415            |                  |
| 95°F<br>35°C   | S/T                | 0.77  | 0.87            | 0.96             | 0.98             | 1.00             | 0.63             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |                  |
|                | PI                 | 5.11  | 5.11            | 5.12             | 5.13             | 5.23             | 5.27             | 5.27             | 5.27             | 5.27             | 5.27             | 5.38             | 5.38             | 5.38             | 5.38             | 5.38             | 5.61             | 5.61             | 5.61             | 5.61             | 5.61             |                  |
|                | TC                 | 37856 | 37862           | 38252            | 38604            | 40126            | 40326            | 40324            | 40336            | 4                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 13 – 60K RH High Static Cooling — 37MBRA + 45MBDA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    |       |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 1706           | -13°F<br>25°C      | TC    | 55360           | 55341            | 55325            | 55647            | 57285            | 57798            | 57766            | 57740            | 57736            | 57695            | 59523            | 59492            | 59452            | 59446            | 59404            | 62789            | 62772            | 62726            | 62710            | 62617            |
|                |                    | S/T   | 0.77            | 0.88             | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.81             | 0.83             | 0.93             | 0.54             | 0.63             | 0.71             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 3.41            | 3.41             | 3.41             | 3.41             | 3.39             | 3.38             | 3.38             | 3.39             | 3.39             | 3.39             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.39             | 3.39             | 3.39             | 3.39             | 3.39             |
|                | -4°F<br>20°C       | TC    | 59619           | 59598            | 59581            | 59927            | 61691            | 62243            | 62209            | 62181            | 62177            | 62134            | 64101            | 64068            | 64026            | 64018            | 63974            | 67619            | 67601            | 67551            | 67534            | 67433            |
|                |                    | S/T   | 0.78            | 0.88             | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |
|                |                    | PI    | 3.53            | 3.53             | 3.53             | 3.53             | 3.51             | 3.50             | 3.51             | 3.51             | 3.51             | 3.51             | 3.50             | 3.50             | 3.50             | 3.50             | 3.50             | 3.51             | 3.51             | 3.51             | 3.51             | 3.51             |
|                | 0°F<br>17.8°C      | TC    | 61586           | 61559            | 61797            | 62269            | 63993            | 64272            | 64223            | 64186            | 64180            | 64169            | 66156            | 66118            | 66058            | 66049            | 65990            | 69722            | 69701            | 69705            | 69712            | 69764            |
|                |                    | S/T   | 0.78            | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.95             | 0.54             | 0.64             | 0.73             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 3.56            | 3.56             | 3.56             | 3.56             | 3.55             | 3.55             | 3.55             | 3.55             | 3.55             | 3.55             | 3.55             | 3.55             | 3.55             | 3.55             | 3.55             | 3.58             | 3.58             | 3.58             | 3.58             | 3.58             |
|                | 5°F<br>15°C        | TC    | 63397           | 63455            | 64310            | 64605            | 66580            | 66412            | 66426            | 66433            | 66434            | 66762            | 68586            | 68580            | 68599            | 68600            | 68609            | 72684            | 72663            | 72663            | 72669            | 72709            |
|                |                    | S/T   | 0.79            | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 3.59            | 3.59             | 3.59             | 3.59             | 3.60             | 3.60             | 3.60             | 3.60             | 3.60             | 3.60             | 3.62             | 3.62             | 3.62             | 3.62             | 3.62             | 3.69             | 3.69             | 3.69             | 3.69             | 3.69             |
|                | 14°F<br>10°C       | TC    | 59626           | 59604            | 59851            | 60374            | 62248            | 62619            | 62584            | 62553            | 62548            | 62516            | 64783            | 64753            | 64703            | 64694            | 64640            | 68857            | 68836            | 68786            | 68771            | 68665            |
|                |                    | S/T   | 0.78            | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |
|                |                    | PI    | 3.51            | 3.51             | 3.51             | 3.51             | 3.50             | 3.49             | 3.49             | 3.49             | 3.49             | 3.50             | 3.48             | 3.48             | 3.49             | 3.49             | 3.49             | 3.50             | 3.50             | 3.50             | 3.50             | 3.50             |
|                | 17°F<br>10°C       | TC    | 58447           | 58462            | 59178            | 59519            | 61435            | 61381            | 61387            | 61400            | 61401            | 61692            | 63338            | 63363            | 63404            | 63407            | 63423            | 67551            | 67531            | 67538            | 67551            | 67613            |
|                |                    | S/T   | 0.79            | 0.89             | 1.00             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.85             | 0.95             | 0.55             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 3.45            | 3.45             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             | 3.47             | 3.47             | 3.47             | 3.47             | 3.47             |
|                | 23°F<br>5°C        | TC    | 58047           | 58128            | 59074            | 59364            | 61304            | 61027            | 61042            | 61050            | 61052            | 61413            | 63179            | 63176            | 63196            | 63199            | 63209            | 67252            | 67231            | 67234            | 67243            | 67289            |
|                |                    | S/T   | 0.80            | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.97             | 0.54             | 0.65             | 0.74             | 0.75             | 0.85             | 0.39             | 0.47             | 0.56             | 0.57             | 0.66             |
|                |                    | PI    | 3.28            | 3.29             | 3.29             | 3.29             | 3.31             | 3.30             | 3.30             | 3.30             | 3.30             | 3.31             | 3.32             | 3.33             | 3.33             | 3.33             | 3.33             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             |
|                | 35°F<br>1.7°C      | TC    | 58051           | 58053            | 58165            | 58230            | 59727            | 60836            | 60828            | 60830            | 60832            | 60833            | 62792            | 62787            | 62781            | 62780            | 62788            | 66428            | 66413            | 66398            | 66408            | 66396            |
|                |                    | S/T   | 0.75            | 0.85             | 0.93             | 0.94             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 2.80            | 2.80             | 2.81             | 2.81             | 2.90             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             | 3.10             | 3.10             | 3.09             | 3.09             | 3.10             | 3.36             | 3.36             | 3.36             | 3.36             | 3.36             |
|                | 41°F<br>5°C        | TC    | 54837           | 54838            | 54990            | 55064            | 56627            | 57455            | 57449            | 57451            | 57451            | 57502            | 59294            | 59287            | 59282            | 59283            | 59290            | 62707            | 62692            | 62679            | 62686            | 62677            |
|                |                    | S/T   | 0.76            | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.64             |
|                |                    | PI    | 2.60            | 2.60             | 2.61             | 2.62             | 2.71             | 2.76             | 2.76             | 2.76             | 2.76             | 2.76             | 2.89             | 2.89             | 2.89             | 2.89             | 2.89             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             |
|                | 47°F<br>8.3°C      | TC    | 51616           | 51617            | 51815            | 51906            | 53503            | 54073            | 54065            | 54066            | 54067            | 54148            | 55795            | 55789            | 55784            | 55785            | 55788            | 58996            | 58982            | 58977            | 58975            | 58967            |
|                |                    | S/T   | 0.77            | 0.87             | 0.95             | 0.97             | 1.00             | 0.63             | 0.72             | 0.81             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.82             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 2.40            | 2.40             | 2.41             | 2.42             | 2.52             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.92             | 2.92             | 2.92             | 2.92             | 2.92             |
|                | 50°F<br>10°C       | TC    | 50369           | 51192            | 52902            | 53205            | 55243            | 53328            | 53360            | 53533            | 53602            | 55308            | 55428            | 55500            | 55532            | 55535            | 55786            | 59421            | 59450            | 59595            | 59611            | 59690            |
|                |                    | S/T   | 0.87            | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.92             | 0.94             | 1.00             | 0.57             | 0.69             | 0.80             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |
|                |                    | PI    | 2.77            | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.77             | 2.76             | 2.76             | 2.76             | 2.76             | 2.76             |
|                | 59°F<br>15°C       | TC    | 49493           | 50685            | 52469            | 52784            | 54908            | 52514            | 52537            | 52797            | 52899            | 54972            | 54694            | 54752            | 54775            | 54777            | 55139            | 58871            | 58887            | 59002            | 59015            | 59073            |
|                |                    | S/T   | 0.88            | 1.00             | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.97             | 1.00             | 0.58             | 0.71             | 0.81             | 0.83             | 0.96             | 0.39             | 0.50             | 0.59             | 0.61             | 0.73             |
|                |                    | PI    | 3.02            | 3.03             | 3.03             | 3.04             | 3.04             | 3.04             | 3.03             | 3.04             | 3.04             | 3.04             | 3.04             | 3.04             | 3.04             | 3.04             | 3.05             | 3.06             | 3.06             | 3.06             | 3.06             | 3.06             |
|                | 68°F<br>20°C       | TC    | 48666           | 50236            | 52085            | 52413            | 54617            | 51708            | 51724            | 52129            | 52469            | 54678            | 53958            | 54003            | 54018            | 54019            | 54634            | 58263            | 58283            | 58376            | 58387            | 58428            |
|                |                    | S/T   | 0.91            | 1.00             | 1.00             | 1.00             | 1.00             | 0.72             | 0.85             | 0.97             | 1.00             | 1.00             | 0.59             | 0.72             | 0.84             | 0.86             | 0.99             | 0.40             | 0.50             | 0.61             | 0.62             | 0.75             |
|                |                    | PI    | 3.27            | 3.29             | 3.30             | 3.31             | 3.33             | 3.30             | 3.30             | 3.30             | 3.31             | 3.33             | 3.32             | 3.32             | 3.32             | 3.32             | 3.33             | 3.37             | 3.37             | 3.36             | 3.36             | 3.36             |
|                | 77°F<br>25°C       | TC    | 47749           | 49578            | 51501            | 51843            | 54134            | 50854            | 50877            | 51462            | 51904            | 54197            | 53175            | 53236            | 53261            | 53322            | 54246            | 57591            | 57644            | 57773            | 57787            | 57849            |
|                |                    | S/T   | 0.92            | 1.00             | 1.00             | 1.00             | 1.00             | 0.72             | 0.87             | 0.99             | 1.00             | 1.00             | 0.59             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                    | PI    | 3.55            | 3.57             | 3.58             | 3.59             | 3.60             | 3.58             | 3.58             | 3.58             | 3.59             | 3.60             | 3.60             | 3.60             | 3.60             | 3.60             | 3.60             | 3.64             | 3.64             | 3.63             | 3.63             | 3.63             |
|                | 82°F<br>27.8°C     | TC    | 47666           | 49687            | 51667            | 52020            | 54385            | 50812            | 50895            | 51730            | 52082            | 54446            | 53190            | 53260            | 53287            | 53371            | 54496            | 57694            | 57767            | 57912            | 57928            | 57997            |
|                |                    | S/T   | 0.94            | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.87             | 1.00             | 1.00             | 1.00             | 0.60             | 0.74             | 0.86             | 0.87             | 1.00             | 0.40             | 0.51             | 0.62             | 0.63             | 0.76             |
|                |                    | PI    | 3.94            | 3.96             | 3.98             | 3.98             | 4.00             | 3.97             | 3.97             | 3.98             | 3.98             | 4.00             | 3.99             | 3.99             | 3.99             | 3.99             | 4.00             | 4.04             | 4.03             | 4.03             | 4.03             | 4.03             |
|                | 86°F<br>30°C       | TC    | 48101           | 50329            | 52371            | 52732            | 55190            | 51278            | 51384            | 52434            | 52795            | 55233            | 53724            | 53787            | 53872            | 53921            | 55284            | 58342            | 58426            | 58563            | 58578            | 58638            |
|                |                    | S/T   | 0.95            | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.88             | 1.00             | 1.00             | 1.00             | 0.60             | 0.75             | 0.86             | 0.88             | 1.00             | 0.40             | 0.51             | 0.62             | 0.64             | 0.77             |
|                |                    | PI    | 4.55            | 4.57             | 4.60             | 4.60             | 4.63             | 4.59             | 4.59             | 4.60             | 4.60             | 4.63             | 4.62             | 4.61             | 4.61             | 4.61             | 4.63             | 4.67             | 4.67             | 4.66             | 4.66             | 4.66             |
|                | 95°F<br>35°C       | TC    | 49693           | 49781            | 50850            | 51149            | 53155            | 52871            | 52884            | 52902            | 52905            | 53263            | 55154            | 55160            | 55188            | 55192            | 55217            | 59540            | 59519            | 59525            | 59522            | 59567            |
|                |                    | S/T   | 0.80            | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 5.70            | 5.71             | 5.77             | 5.78             | 5.89             | 5.88             | 5.88             | 5.88             | 5.88             | 5.90             | 6.01             | 6.01             | 6.01             | 6.01             | 6.01             | 6.26             | 6.26             | 6.26             | 6.26</           |                  |

Table 13 – 60K RH High Static Cooling — 37MBRA + 45MBDA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    | TC    |                 | 63117            | 63088            | 63988            | 64253            | 66021            | 65853            | 65799            | 65757            | 65751            | 65697            | 67822            | 67737            | 67672            | 67663            | 67598            | 71539            | 71520            | 71373            | 71346            |
| 2000           | -13°F<br>25°C      | S/T   | 0.80            | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.85             | 0.86             | 0.97             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 3.83            | 3.83             | 3.82             | 3.82             | 3.81             | 3.81             | 3.81             | 3.81             | 3.81             | 3.81             | 3.80             | 3.81             | 3.81             | 3.81             | 3.81             | 3.83             | 3.83             | 3.83             | 3.83             | 3.83             |
|                |                    | TC    | 67972           | 67941            | 68910            | 69195            | 71100            | 70919            | 70860            | 70815            | 70809            | 70750            | 73039            | 72947            | 72878            | 72868            | 72798            | 77042            | 77021            | 76863            | 76834            | 76672            |
|                | S/T                | 0.80  | 0.92            | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.85             | 0.87             | 0.98             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |                  |
|                | PI                 | 3.97  | 3.97            | 3.96             | 3.96             | 3.95             | 3.95             | 3.95             | 3.95             | 3.95             | 3.95             | 3.94             | 3.94             | 3.94             | 3.94             | 3.95             | 3.97             | 3.97             | 3.97             | 3.97             | 3.97             |                  |
|                | -4°F<br>20°C       | TC    | 70228           | 70186            | 71489            | 71787            | 73758            | 73240            | 73158            | 73102            | 73093            | 73828            | 75392            | 75285            | 75192            | 75181            | 75145            | 79447            | 79428            | 79421            | 79432            | 79484            |
|                |                    | S/T   | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 4.00            | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             | 4.00             | 4.01             | 4.05             | 4.05             | 4.05             | 4.05             | 4.05             |
|                | 0°F<br>17.8°C      | TC    | 72241           | 72490            | 74147            | 74489            | 76784            | 75629            | 75648            | 75653            | 75731            | 76860            | 78047            | 78067            | 78084            | 78086            | 78190            | 82626            | 82600            | 82644            | 82653            | 82689            |
|                |                    | S/T   | 0.82            | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 4.03            | 4.03             | 4.04             | 4.04             | 4.06             | 4.05             | 4.05             | 4.05             | 4.05             | 4.07             | 4.08             | 4.08             | 4.08             | 4.08             | 4.08             | 4.17             | 4.17             | 4.17             | 4.17             | 4.17             |
|                | 5°F<br>15°C        | TC    | 67995           | 67961            | 69348            | 69674            | 71834            | 71371            | 71308            | 71260            | 71252            | 71919            | 73816            | 73724            | 73649            | 73637            | 73563            | 78490            | 78466            | 78315            | 78288            | 78121            |
|                |                    | S/T   | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.86             | 0.87             | 1.00             | 0.55             | 0.66             | 0.75             | 0.76             | 0.87             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 3.95            | 3.95             | 3.94             | 3.94             | 3.93             | 3.93             | 3.93             | 3.93             | 3.93             | 3.93             | 3.93             | 3.93             | 3.93             | 3.93             | 3.93             | 3.94             | 3.94             | 3.95             | 3.95             | 3.95             |
|                | 14°F<br>10°C       | TC    | 66428           | 66645            | 68185            | 68518            | 70743            | 69735            | 69764            | 69776            | 69835            | 70819            | 72115            | 72142            | 72171            | 72174            | 72263            | 76696            | 76675            | 76663            | 76677            | 76741            |
|                |                    | S/T   | 0.82            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.88            | 3.88             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 3.88             | 3.88             | 3.88             | 3.88             | 3.88             | 3.91             | 3.91             | 3.91             | 3.91             | 3.91             |
|                | 17°F<br>10°C       | TC    | 66144           | 66429            | 68147            | 68484            | 70741            | 69494            | 69515            | 69522            | 69614            | 70817            | 71891            | 71915            | 71934            | 71936            | 72052            | 76442            | 76418            | 76472            | 76483            | 76527            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.70            | 3.70             | 3.71             | 3.71             | 3.74             | 3.72             | 3.72             | 3.72             | 3.72             | 3.74             | 3.75             | 3.75             | 3.75             | 3.75             | 3.75             | 3.82             | 3.82             | 3.82             | 3.82             | 3.82             |
|                | 23°F<br>5°C        | TC    | 66199           | 66201            | 66590            | 66776            | 68930            | 69293            | 69290            | 69296            | 69297            | 69481            | 71462            | 71457            | 71461            | 71463            | 71470            | 75486            | 75468            | 75464            | 75461            | 75468            |
|                |                    | S/T   | 0.78            | 0.88             | 0.97             | 0.99             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.63             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 3.15            | 3.15             | 3.18             | 3.19             | 3.32             | 3.34             | 3.34             | 3.34             | 3.34             | 3.36             | 3.49             | 3.49             | 3.49             | 3.49             | 3.49             | 3.79             | 3.79             | 3.79             | 3.79             | 3.79             |
|                | 35°F<br>1.7°C      | TC    | 62530           | 62531            | 63029            | 63467            | 65343            | 65438            | 65437            | 65440            | 65440            | 65670            | 67480            | 67475            | 67479            | 67480            | 67485            | 71266            | 71248            | 71244            | 71241            | 71249            |
|                |                    | S/T   | 0.78            | 0.89             | 0.98             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 2.92            | 2.92             | 2.96             | 2.98             | 3.10             | 3.11             | 3.11             | 3.11             | 3.11             | 3.13             | 3.25             | 3.25             | 3.25             | 3.25             | 3.25             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             |
|                | 41°F<br>5°C        | TC    | 58857           | 58896            | 59686            | 59953            | 61726            | 61586            | 61584            | 61586            | 61585            | 61870            | 63499            | 63493            | 63497            | 63497            | 63496            | 67054            | 67037            | 67031            | 67028            | 67035            |
|                |                    | S/T   | 0.79            | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.67             |
|                |                    | PI    | 2.70            | 2.71             | 2.76             | 2.77             | 2.89             | 2.88             | 2.88             | 2.88             | 2.88             | 2.90             | 3.02             | 3.02             | 3.02             | 3.02             | 3.02             | 3.29             | 3.29             | 3.29             | 3.29             | 3.29             |
|                | 47°F<br>8.3°C      | TC    | 57481           | 59063            | 61056            | 61410            | 63791            | 60726            | 60759            | 61179            | 61372            | 63852            | 63095            | 63177            | 63210            | 63214            | 63822            | 67444            | 67622            | 67796            | 67816            | 67901            |
|                |                    | S/T   | 0.90            | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.85             | 0.96             | 0.99             | 1.00             | 0.59             | 0.72             | 0.83             | 0.85             | 0.99             | 0.40             | 0.50             | 0.60             | 0.62             | 0.74             |
|                |                    | PI    | 3.12            | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             |
|                | 50°F<br>10°C       | TC    | 56517           | 58499            | 60576            | 60944            | 63424            | 59797            | 59879            | 60558            | 61009            | 63487            | 62264            | 62327            | 62348            | 62439            | 63539            | 66859            | 66993            | 67126            | 67141            | 67197            |
|                |                    | S/T   | 0.92            | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.86             | 1.00             | 1.00             | 1.00             | 0.60             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                    | PI    | 3.41            | 3.42             | 3.42             | 3.43             | 3.44             | 3.42             | 3.42             | 3.42             | 3.43             | 3.44             | 3.43             | 3.43             | 3.43             | 3.43             | 3.44             | 3.46             | 3.45             | 3.45             | 3.45             | 3.45             |
|                | 59°F<br>15°C       | TC    | 55531           | 57902            | 60049            | 60431            | 62995            | 58789            | 58921            | 60114            | 60496            | 63058            | 61330            | 61376            | 61487            | 61541            | 63109            | 66084            | 66206            | 66310            | 66321            | 66355            |
|                |                    | S/T   | 0.95            | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.89             | 1.00             | 1.00             | 1.00             | 0.61             | 0.75             | 0.87             | 0.89             | 1.00             | 0.40             | 0.51             | 0.63             | 0.65             | 0.78             |
|                |                    | PI    | 3.69            | 3.71             | 3.73             | 3.73             | 3.76             | 3.72             | 3.72             | 3.73             | 3.73             | 3.76             | 3.75             | 3.74             | 3.74             | 3.74             | 3.76             | 3.80             | 3.79             | 3.79             | 3.79             | 3.79             |
|                | 68°F<br>20°C       | TC    | 54508           | 57133            | 59369            | 59764            | 62435            | 57786            | 57969            | 59434            | 59831            | 62497            | 60403            | 60471            | 60625            | 60693            | 62550            | 65238            | 65436            | 65587            | 65603            | 65664            |
|                |                    | S/T   | 0.97            | 1.00             | 1.00             | 1.00             | 1.00             | 0.75             | 0.90             | 1.00             | 1.00             | 1.00             | 0.61             | 0.76             | 0.88             | 0.90             | 1.00             | 0.40             | 0.52             | 0.63             | 0.65             | 0.79             |
|                |                    | PI    | 4.00            | 4.03             | 4.04             | 4.05             | 4.07             | 4.03             | 4.03             | 4.04             | 4.05             | 4.07             | 4.06             | 4.06             | 4.06             | 4.06             | 4.07             | 4.11             | 4.10             | 4.10             | 4.10             | 4.09             |
|                | 77°F<br>25°C       | TC    | 54456           | 57236            | 59544            | 59948            | 62693            | 57706            | 57929            | 59596            | 60015            | 62759            | 60391            | 60467            | 60655            | 60730            | 62814            | 65295            | 65540            | 65711            | 65729            | 65800            |
|                |                    | S/T   | 0.99            | 1.00             | 1.00             | 1.00             | 1.00             | 0.76             | 0.91             | 1.00             | 1.00             | 1.00             | 0.62             | 0.77             | 0.89             | 0.92             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.80             |
|                |                    | PI    | 4.45            | 4.47             | 4.49             | 4.49             | 4.52             | 4.48             | 4.48             | 4.49             | 4.50             | 4.52             | 4.50             | 4.50             | 4.50             | 4.50             | 4.52             | 4.55             | 4.55             | 4.54             | 4.54             | 4.54             |
|                | 82°F<br>27.8°C     | TC    | 55250           | 58008            | 60380            | 60801            | 63633            | 58266            | 58533            | 60447            | 60871            | 63699            | 61026            | 61097            | 61321            | 61409            | 63754            | 66068            | 66323            | 66481            | 66497            | 66559            |
|                |                    | S/T   | 1.00            | 1.00             | 1.00             | 1.00             | 1.00             | 0.77             | 0.93             | 1.00             | 1.00             | 1.00             | 0.62             | 0.78             | 0.91             | 0.93             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.81             |
|                |                    | PI    | 5.13            | 5.16             | 5.19             | 5.19             | 5.22             | 5.17             | 5.17             | 5.19             | 5.19             | 5.22             | 5.20             | 5.20             | 5.20             | 5.20             | 5.22             | 5.27             | 5.26             | 5.26             | 5.26             | 5.25             |
|                | 86°F<br>30°C       | TC    | 56628           | 56934            | 58774            | 59122            | 61459            | 60184            | 60219            | 60238            | 60309            | 61536            | 62766            | 62780            | 62818            | 62824            | 62928            | 67634            | 67608            | 67622            | 67641            | 67732            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 6.42            | 6.44             | 6.54             | 6.56             | 6.69             | 6.63             | 6.63             | 6.63             | 6.63             | 6.70             | 6.78             | 6.78             | 6.78             | 6.78             | <                |                  |                  |                  |                  |                  |

Table 14 – 36K RH High Static Cooling — 37MBRA + 45MCFA

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 765            | -13°F<br>25°C      | TC    | 28715            | 28711            | 28707            | 28707            | 28702            | 30052            | 30044            | 30039            | 30038            | 30033            | 30999            | 30991            | 30984            | 30983            | 30976            | 32777            | 32768            | 32761            | 32759            | 32749            |
|                |                    | S/T   | 0.72             | 0.80             | 0.87             | 0.88             | 0.97             | 0.59             | 0.67             | 0.74             | 0.76             | 0.83             | 0.51             | 0.59             | 0.66             | 0.67             | 0.75             | 0.38             | 0.46             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 1.71             | 1.71             | 1.71             | 1.71             | 1.71             | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             | 1.68             | 1.68             | 1.68             | 1.68             | 1.68             | 1.68             | 1.68             | 1.68             | 1.68             | 1.68             |
|                | -4°F<br>20°C       | TC    | 30924            | 30920            | 30916            | 30915            | 30909            | 32363            | 32355            | 32350            | 32349            | 32343            | 33384            | 33375            | 33368            | 33366            | 33359            | 35298            | 35289            | 35281            | 35279            | 35268            |
|                |                    | S/T   | 0.72             | 0.80             | 0.88             | 0.89             | 0.97             | 0.60             | 0.68             | 0.75             | 0.76             | 0.84             | 0.52             | 0.59             | 0.66             | 0.67             | 0.75             | 0.39             | 0.47             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 1.77             | 1.77             | 1.77             | 1.77             | 1.78             | 1.75             | 1.75             | 1.75             | 1.75             | 1.75             | 1.74             | 1.74             | 1.74             | 1.74             | 1.75             | 1.74             | 1.74             | 1.74             | 1.74             | 1.74             |
|                | 0°F<br>17.8°C      | TC    | 31930            | 31924            | 31919            | 31918            | 31909            | 33402            | 33395            | 33388            | 33387            | 33378            | 34444            | 34435            | 34427            | 34426            | 34415            | 36387            | 36378            | 36371            | 36370            | 36355            |
|                |                    | S/T   | 0.72             | 0.81             | 0.88             | 0.90             | 0.98             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.78             | 1.78             | 1.78             | 1.78             | 1.78             | 1.77             | 1.77             | 1.77             | 1.77             | 1.77             | 1.78             | 1.78             | 1.78             | 1.78             | 1.78             |
|                | 5°F<br>15°C        | TC    | 32932            | 32932            | 32932            | 32932            | 33424            | 34576            | 34570            | 34569            | 34570            | 34573            | 35759            | 35756            | 35751            | 35750            | 35753            | 38025            | 38015            | 38006            | 38005            | 38005            |
|                |                    | S/T   | 0.73             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.86             | 0.52             | 0.60             | 0.67             | 0.68             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 1.81             | 1.81             | 1.81             | 1.81             | 1.80             | 1.80             | 1.80             | 1.80             | 1.80             | 1.80             | 1.80             | 1.80             | 1.80             | 1.80             | 1.80             | 1.83             | 1.83             | 1.83             | 1.83             | 1.83             |
|                | 14°F<br>10°C       | TC    | 31899            | 31895            | 31891            | 31890            | 32045            | 33574            | 33565            | 33560            | 33559            | 33553            | 34770            | 34762            | 34753            | 34752            | 34744            | 37042            | 37032            | 37023            | 37021            | 37009            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 0.99             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.66             | 0.68             | 0.76             | 0.39             | 0.47             | 0.51             | 0.53             | 0.60             |
|                |                    | PI    | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.94             | 1.94             | 1.94             | 1.94             | 1.94             | 1.93             | 1.94             | 1.94             | 1.94             | 1.94             | 1.93             | 1.93             | 1.93             | 1.93             | 1.93             |
|                | 17°F<br>10°C       | TC    | 31581            | 31574            | 31569            | 31569            | 32024            | 33237            | 33229            | 33222            | 33221            | 33221            | 34426            | 34425            | 34420            | 34419            | 34425            | 36751            | 36741            | 36732            | 36730            | 36732            |
|                |                    | S/T   | 0.73             | 0.82             | 0.89             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             |
|                | 23°F<br>5°C        | TC    | 31081            | 31082            | 31082            | 31102            | 31670            | 32754            | 32747            | 32747            | 32747            | 32751            | 33957            | 33955            | 33950            | 33949            | 33953            | 36272            | 36261            | 36253            | 36251            | 36251            |
|                |                    | S/T   | 0.74             | 0.83             | 0.90             | 0.91             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.07             | 2.07             | 2.07             | 2.07             | 2.07             | 2.08             | 2.08             | 2.08             | 2.08             | 2.08             | 2.09             | 2.09             | 2.09             | 2.09             | 2.09             | 2.11             | 2.11             | 2.11             | 2.11             | 2.11             |
|                | 35°F<br>1.7°C      | TC    | 30335            | 30332            | 30330            | 30330            | 30372            | 31906            | 31903            | 31899            | 31899            | 31896            | 33017            | 33010            | 33009            | 33008            | 33003            | 35096            | 35088            | 35082            | 35080            | 35079            |
|                |                    | S/T   | 0.70             | 0.78             | 0.85             | 0.86             | 0.93             | 0.59             | 0.66             | 0.72             | 0.74             | 0.81             | 0.51             | 0.58             | 0.64             | 0.65             | 0.73             | 0.39             | 0.46             | 0.50             | 0.51             | 0.58             |
|                |                    | PI    | 2.09             | 2.09             | 2.09             | 2.09             | 2.09             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.30             | 2.30             | 2.30             | 2.30             | 2.30             | 2.49             | 2.49             | 2.49             | 2.49             | 2.49             |
|                | 41°F<br>5°C        | TC    | 29854            | 29850            | 29849            | 29848            | 29918            | 31388            | 31385            | 31381            | 31380            | 31378            | 32472            | 32466            | 32463            | 32463            | 32457            | 34503            | 34496            | 34489            | 34488            | 34486            |
|                |                    | S/T   | 0.71             | 0.79             | 0.86             | 0.87             | 0.95             | 0.59             | 0.67             | 0.73             | 0.74             | 0.82             | 0.51             | 0.59             | 0.65             | 0.66             | 0.73             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 1.94             | 1.94             | 1.94             | 1.94             | 1.95             | 2.06             | 2.06             | 2.06             | 2.06             | 2.06             | 2.15             | 2.15             | 2.15             | 2.15             | 2.15             | 2.35             | 2.34             | 2.34             | 2.34             | 2.34             |
|                | 47°F<br>8.3°C      | TC    | 29367            | 29363            | 29361            | 29361            | 29463            | 30865            | 30862            | 30858            | 30858            | 30855            | 31927            | 31920            | 31918            | 31917            | 31912            | 33909            | 33902            | 33895            | 33894            | 33891            |
|                |                    | S/T   | 0.71             | 0.80             | 0.87             | 0.88             | 0.96             | 0.59             | 0.67             | 0.74             | 0.75             | 0.83             | 0.51             | 0.59             | 0.65             | 0.66             | 0.74             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 1.80             | 1.80             | 1.80             | 1.80             | 1.81             | 1.92             | 1.92             | 1.92             | 1.92             | 1.92             | 2.01             | 2.01             | 2.01             | 2.01             | 2.01             | 2.19             | 2.19             | 2.19             | 2.19             | 2.19             |
|                | 50°F<br>10°C       | TC    | 28765            | 28769            | 29034            | 29270            | 30356            | 30505            | 30511            | 30520            | 30521            | 30634            | 31767            | 31770            | 31784            | 31787            | 31799            | 34214            | 34201            | 34206            | 34203            | 34233            |
|                |                    | S/T   | 0.79             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             |
|                | 59°F<br>15°C       | TC    | 28265            | 28309            | 28866            | 29035            | 30170            | 30063            | 30069            | 30075            | 30076            | 30260            | 31378            | 31371            | 31383            | 31385            | 31394            | 33901            | 33887            | 33890            | 33888            | 33913            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 2.13             | 2.13             | 2.13             | 2.13             | 2.14             | 2.14             | 2.14             | 2.14             | 2.14             | 2.14             | 2.15             | 2.15             | 2.15             | 2.15             | 2.15             | 2.16             | 2.16             | 2.16             | 2.16             | 2.16             |
|                | 68°F<br>20°C       | TC    | 27786            | 27877            | 28664            | 28840            | 30019            | 29632            | 29637            | 29641            | 29641            | 29997            | 30978            | 30972            | 30983            | 30984            | 30990            | 33568            | 33554            | 33555            | 33554            | 33579            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.22             | 2.22             | 2.23             | 2.23             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.24             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             |
|                | 77°F<br>25°C       | TC    | 27266            | 27401            | 28341            | 28526            | 29754            | 29173            | 29184            | 29190            | 29218            | 29797            | 30568            | 30566            | 30582            | 30584            | 30621            | 33253            | 33237            | 33241            | 33242            | 33280            |
|                |                    | S/T   | 0.83             | 0.96             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.55             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 2.33             | 2.33             | 2.34             | 2.34             | 2.35             | 2.35             | 2.35             | 2.34             | 2.35             | 2.35             | 2.36             | 2.36             | 2.36             | 2.36             | 2.36             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             |
|                | 82°F<br>27.8°C     | TC    | 27054            | 27228            | 28272            | 28460            | 29717            | 28995            | 29010            | 29034            | 29059            | 29760            | 30417            | 30419            | 30436            | 30439            | 30491            | 33154            | 33138            | 33144            | 33147            | 33191            |
|                |                    | S/T   | 0.84             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.88             | 0.90             | 1.00             | 0.56             | 0.67             | 0.77             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 2.49             | 2.49             | 2.50             | 2.51             | 2.52             | 2.51             | 2.51             | 2.51             | 2.51             | 2.52             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             | 2.55             | 2.55             | 2.55             | 2.55             | 2.55             |
|                | 86°F<br>30°C       | TC    | 26983            | 27219            | 28353            | 28545            | 29828            | 28956            | 28969            | 29008            | 29037            | 29871            | 30395            | 30400            | 30416            | 30418            | 30486            | 33171            | 33155            | 33161            | 33168            | 33209            |
|                |                    | S/T   | 0.85             | 0.98             | 1.00             | 1.00             | 1.00             | 0.67             | 0.80             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 2.75             | 2.76             | 2.77             | 2.77             | 2.79             | 2.78             | 2.78             | 2.78             | 2.78             | 2.79             | 2.80             | 2.80             | 2.80             | 2.80             | 2.80             | 2.83             | 2.83             | 2.83             | 2.83             | 2.83             |
|                | 95°F<br>35°C       | TC    | 27239            | 27239            | 27241            | 27272            | 27970            | 29063            | 29056            | 29054            | 29055            | 29060            | 30379            | 30376            | 30369            | 30369            | 30370            | 32920            | 32909            | 32900            | 32899            | 32898            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.87             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 3.23             | 3.23             | 3.23             | 3.23             | 3.27             | 3.33             | 3.33             | 3.33             | 3.33             | 3.33</           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 14 – 36K RH High Static Cooling — 37MBRA + 45MCFA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 988            | -13°F<br>25°C      | TC    | 31427            | 31420            | 31414            | 31413            | 32058            | 32842            | 32832            | 32823            | 32822            | 32811            | 33844            | 33833            | 33822            | 33819            | 33804            | 35726            | 35716            | 35702            | 35701            | 35678            |
|                |                    | S/T   | 0.75             | 0.84             | 0.92             | 0.93             | 1.00             | 0.61             | 0.70             | 0.78             | 0.79             | 0.88             | 0.52             | 0.61             | 0.69             | 0.70             | 0.79             | 0.38             | 0.46             | 0.53             | 0.54             | 0.62             |
|                |                    | PI    | 1.81             | 1.81             | 1.81             | 1.81             | 1.80             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             |
|                | -4°F<br>20°C       | TC    | 33844            | 33837            | 33830            | 33829            | 34524            | 35368            | 35358            | 35348            | 35347            | 35335            | 36448            | 36436            | 36423            | 36421            | 36405            | 38474            | 38464            | 38449            | 38447            | 38422            |
|                |                    | S/T   | 0.75             | 0.84             | 0.92             | 0.94             | 1.00             | 0.61             | 0.71             | 0.78             | 0.79             | 0.88             | 0.53             | 0.61             | 0.69             | 0.70             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 1.87             | 1.87             | 1.87             | 1.87             | 1.87             | 1.86             | 1.86             | 1.86             | 1.86             | 1.86             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             |
|                | 0°F<br>17.8°C      | TC    | 34951            | 34941            | 34933            | 34932            | 35803            | 36509            | 36496            | 36482            | 36480            | 36464            | 37611            | 37596            | 37580            | 37576            | 37553            | 39659            | 39650            | 39646            | 39644            | 39649            |
|                |                    | S/T   | 0.75             | 0.85             | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 1.89             | 1.89             | 1.89             | 1.89             | 1.88             | 1.88             | 1.88             | 1.88             | 1.88             | 1.88             | 1.88             | 1.88             | 1.88             | 1.88             | 1.88             | 1.89             | 1.89             | 1.89             | 1.89             | 1.89             |
|                | 5°F<br>15°C        | TC    | 36013            | 36017            | 36129            | 36181            | 37239            | 37767            | 37765            | 37771            | 37772            | 37817            | 39024            | 39023            | 39025            | 39026            | 39034            | 41423            | 41412            | 41412            | 41410            | 41413            |
|                |                    | S/T   | 0.76             | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.95             | 1.94             | 1.95             | 1.95             | 1.95             |
|                | 14°F<br>10°C       | TC    | 34904            | 34896            | 34889            | 34888            | 35879            | 36687            | 36676            | 36666            | 36663            | 36652            | 37961            | 37949            | 37935            | 37933            | 37915            | 40384            | 40372            | 40356            | 40355            | 40329            |
|                |                    | S/T   | 0.75             | 0.85             | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 2.07             | 2.07             | 2.07             | 2.07             | 2.06             | 2.06             | 2.06             | 2.06             | 2.06             | 2.06             | 2.05             | 2.05             | 2.05             | 2.05             | 2.05             | 2.05             | 2.05             | 2.05             | 2.05             | 2.05             |
|                | 17°F<br>10°C       | TC    | 34532            | 34521            | 34611            | 34660            | 35698            | 36296            | 36283            | 36291            | 36293            | 36331            | 37567            | 37567            | 37572            | 37575            | 37586            | 40031            | 40020            | 40023            | 40021            | 40030            |
|                |                    | S/T   | 0.76             | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 2.11             | 2.11             | 2.11             | 2.11             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.11             | 2.11             | 2.11             | 2.11             | 2.11             |
|                | 23°F<br>5°C        | TC    | 33991            | 33994            | 34133            | 34193            | 35317            | 35775            | 35774            | 35780            | 35781            | 35838            | 37056            | 37055            | 37059            | 37060            | 37068            | 39511            | 39499            | 39501            | 39499            | 39505            |
|                |                    | S/T   | 0.77             | 0.87             | 0.95             | 0.97             | 1.00             | 0.62             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 2.19             | 2.19             | 2.19             | 2.19             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             |
|                | 35°F<br>1.7°C      | TC    | 33229            | 33227            | 33227            | 33227            | 33655            | 34881            | 34875            | 34872            | 34872            | 34873            | 36041            | 36038            | 36032            | 36031            | 36030            | 38207            | 38198            | 38191            | 38189            | 38187            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 1.00             | 0.60             | 0.68             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 2.21             | 2.21             | 2.21             | 2.21             | 2.24             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.65             | 2.65             | 2.65             | 2.65             | 2.65             |
|                | 41°F<br>5°C        | TC    | 32615            | 32693            | 32694            | 32703            | 33242            | 34310            | 34304            | 34301            | 34302            | 34303            | 35445            | 35442            | 35436            | 35435            | 35434            | 37562            | 37553            | 37545            | 37544            | 37541            |
|                |                    | S/T   | 0.74             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.45             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.05             | 2.06             | 2.06             | 2.06             | 2.10             | 2.18             | 2.18             | 2.18             | 2.18             | 2.18             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.49             | 2.49             | 2.49             | 2.49             | 2.49             |
|                | 47°F<br>8.3°C      | TC    | 32159            | 32158            | 32157            | 32189            | 32823            | 33737            | 33732            | 33729            | 33729            | 33730            | 34849            | 34846            | 34840            | 34840            | 34839            | 36920            | 36911            | 36904            | 36903            | 36900            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.70             | 0.77             | 0.78             | 0.87             | 0.52             | 0.61             | 0.68             | 0.69             | 0.78             | 0.39             | 0.45             | 0.52             | 0.53             | 0.62             |
|                |                    | PI    | 1.91             | 1.91             | 1.91             | 1.91             | 1.96             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.13             | 2.13             | 2.13             | 2.13             | 2.13             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             |
|                | 50°F<br>10°C       | TC    | 31437            | 31570            | 32462            | 32646            | 33880            | 33303            | 33323            | 33332            | 33367            | 33922            | 34655            | 34674            | 34695            | 34697            | 34748            | 37236            | 37222            | 37265            | 37275            | 37326            |
|                |                    | S/T   | 0.83             | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.16             | 2.17             | 2.16             | 2.16             | 2.16             | 2.16             | 2.16             | 2.16             | 2.16             |
|                | 59°F<br>15°C       | TC    | 30893            | 31114            | 32213            | 32406            | 33694            | 32826            | 32842            | 32891            | 32922            | 33737            | 34223            | 34241            | 34257            | 34259            | 34343            | 36910            | 36895            | 36931            | 36939            | 36978            |
|                |                    | S/T   | 0.85             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 2.26             | 2.26             | 2.27             | 2.27             | 2.27             | 2.27             | 2.27             | 2.27             | 2.27             | 2.27             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             |
|                | 68°F<br>20°C       | TC    | 30369            | 30879            | 32002            | 32201            | 33538            | 32357            | 32369            | 32459            | 32498            | 33581            | 33791            | 33809            | 33820            | 33822            | 33953            | 36555            | 36540            | 36575            | 36582            | 36612            |
|                |                    | S/T   | 0.87             | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.91             | 0.93             | 1.00             | 0.57             | 0.69             | 0.79             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |
|                |                    | PI    | 2.35             | 2.36             | 2.37             | 2.37             | 2.39             | 2.37             | 2.37             | 2.37             | 2.38             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.42             | 2.42             | 2.42             | 2.42             | 2.42             |
|                | 77°F<br>25°C       | TC    | 29799            | 30494            | 31663            | 31870            | 33264            | 31859            | 31874            | 31997            | 32049            | 33307            | 33338            | 33366            | 33383            | 33385            | 33557            | 36197            | 36180            | 36238            | 36247            | 36288            |
|                |                    | S/T   | 0.88             | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.82             | 0.93             | 0.95             | 1.00             | 0.57             | 0.70             | 0.80             | 0.82             | 0.94             | 0.39             | 0.49             | 0.59             | 0.60             | 0.72             |
|                |                    | PI    | 2.47             | 2.47             | 2.49             | 2.49             | 2.50             | 2.49             | 2.49             | 2.49             | 2.49             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             |
|                | 82°F<br>27.8°C     | TC    | 29591            | 30395            | 31592            | 31804            | 33230            | 31665            | 31683            | 31835            | 31898            | 33275            | 33170            | 33206            | 33223            | 33226            | 33435            | 36084            | 36090            | 36136            | 36146            | 36192            |
|                |                    | S/T   | 0.88             | 1.00             | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.96             | 1.00             | 0.58             | 0.70             | 0.81             | 0.83             | 0.96             | 0.39             | 0.49             | 0.59             | 0.61             | 0.72             |
|                |                    | PI    | 2.64             | 2.65             | 2.66             | 2.67             | 2.68             | 2.67             | 2.67             | 2.67             | 2.67             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.71             | 2.71             | 2.71             | 2.70             | 2.70             |
|                | 86°F<br>30°C       | TC    | 29534            | 30466            | 31688            | 31904            | 33359            | 31625            | 31640            | 31829            | 31914            | 33403            | 33150            | 33185            | 33201            | 33203            | 33460            | 36105            | 36107            | 36160            | 36170            | 36212            |
|                |                    | S/T   | 0.90             | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.84             | 0.96             | 0.98             | 1.00             | 0.58             | 0.71             | 0.82             | 0.84             | 0.97             | 0.39             | 0.50             | 0.60             | 0.61             | 0.73             |
|                |                    | PI    | 2.92             | 2.93             | 2.95             | 2.95             | 2.97             | 2.95             | 2.95             | 2.95             | 2.95             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             |
|                | 95°F<br>35°C       | TC    | 29803            | 29809            | 29973            | 30050            | 31288            | 31751            | 31747            | 31755            | 31757            | 31813            | 33152            | 33151            | 33150            | 33152            | 33167            | 35854            | 35842            | 35831            | 35847            | 35838            |
|                |                    | S/T   | 0.77             | 0.87             | 0.96             | 0.98             | 1.00             | 0.63             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 3.43             | 3.43             | 3.43             | 3.44             | 3.51             | 3.53             | 3.53             | 3.53             | 3.53             | 3.54             | 3.61             | 3.61             | 3.61             | 3.61             | 3.61             | 3.76             | 3.76             | 3.76             | 3.76             | 3.76             |
|                | 104°F<br>40°C      | TC    | 25087            | 25091            | 25349            | 25582            | 26590            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 14 – 36K RH High Static Cooling — 37MBRA + 45MCFA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 1088           | -13°F<br>25°C      | TC    | 34378            | 34366            | 34356            | 34556            | 35573            | 35892            | 35872            | 35856            | 35853            | 35828            | 36963            | 36944            | 36919            | 36915            | 36889            | 38991            | 38981            | 38952            | 38942            | 38884            |
|                |                    | S/T   | 0.77             | 0.88             | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.81             | 0.83             | 0.93             | 0.54             | 0.63             | 0.71             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 1.93             | 1.93             | 1.93             | 1.93             | 1.92             | 1.92             | 1.92             | 1.92             | 1.92             | 1.92             | 1.91             | 1.91             | 1.91             | 1.91             | 1.91             | 1.92             | 1.92             | 1.92             | 1.92             | 1.92             |
|                | -4°F<br>20°C       | TC    | 37022            | 37009            | 36999            | 37214            | 38310            | 38652            | 38631            | 38614            | 38611            | 38584            | 39806            | 39785            | 39759            | 39755            | 39727            | 41991            | 41979            | 41948            | 41938            | 41875            |
|                |                    | S/T   | 0.78             | 0.88             | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |
|                |                    | PI    | 2.00             | 2.00             | 2.00             | 2.00             | 1.99             | 1.98             | 1.99             | 1.99             | 1.99             | 1.99             | 1.98             | 1.98             | 1.98             | 1.98             | 1.98             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             |
|                | 0°F<br>17.8°C      | TC    | 38244            | 38228            | 38375            | 38668            | 39739            | 39912            | 39881            | 39859            | 39855            | 39848            | 41082            | 41059            | 41021            | 41015            | 40979            | 43296            | 43284            | 43286            | 43290            | 43322            |
|                |                    | S/T   | 0.78             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.95             | 0.54             | 0.64             | 0.73             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 2.02             | 2.02             | 2.02             | 2.01             | 2.01             | 2.01             | 2.01             | 2.01             | 2.01             | 2.01             | 2.01             | 2.01             | 2.01             | 2.01             | 2.01             | 2.03             | 2.03             | 2.03             | 2.03             | 2.03             |
|                | 5°F<br>15°C        | TC    | 39369            | 39405            | 39936            | 40119            | 41346            | 41241            | 41250            | 41254            | 41255            | 41458            | 42591            | 42587            | 42599            | 42600            | 42605            | 45136            | 45123            | 45123            | 45126            | 45151            |
|                |                    | S/T   | 0.79             | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 2.03             | 2.03             | 2.03             | 2.03             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.05             | 2.05             | 2.05             | 2.05             | 2.05             | 2.09             | 2.09             | 2.09             | 2.09             | 2.09             |
|                | 14°F<br>10°C       | TC    | 38160            | 38146            | 38304            | 38639            | 39838            | 40076            | 40053            | 40034            | 40031            | 40010            | 41461            | 41441            | 41409            | 41404            | 41369            | 44068            | 44055            | 44023            | 44013            | 43945            |
|                |                    | S/T   | 0.78             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |
|                |                    | PI    | 2.21             | 2.21             | 2.21             | 2.21             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             |
|                | 17°F<br>10°C       | TC    | 37806            | 37816            | 38279            | 38500            | 39740            | 39705            | 39708            | 39716            | 39718            | 39905            | 40971            | 40987            | 41013            | 41015            | 41025            | 43696            | 43682            | 43687            | 43695            | 43736            |
|                |                    | S/T   | 0.79             | 0.89             | 1.00             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.85             | 0.95             | 0.55             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.25             | 2.26             | 2.26             | 2.26             | 2.26             | 2.26             |
|                | 23°F<br>5°C        | TC    | 37157            | 37208            | 37814            | 37999            | 39241            | 39064            | 39074            | 39079            | 39080            | 39311            | 40441            | 40440            | 40452            | 40454            | 40461            | 43048            | 43035            | 43037            | 43043            | 43072            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.97             | 0.54             | 0.65             | 0.74             | 0.75             | 0.85             | 0.39             | 0.47             | 0.56             | 0.57             | 0.66             |
|                |                    | PI    | 2.34             | 2.34             | 2.34             | 2.34             | 2.36             | 2.35             | 2.35             | 2.35             | 2.35             | 2.36             | 2.37             | 2.37             | 2.37             | 2.37             | 2.37             | 2.41             | 2.41             | 2.41             | 2.41             | 2.41             |
|                | 35°F<br>1.7°C      | TC    | 36369            | 36370            | 36440            | 36481            | 37418            | 38113            | 38108            | 38110            | 38111            | 38111            | 39338            | 39335            | 39331            | 39331            | 39336            | 41617            | 41607            | 41598            | 41604            | 41596            |
|                |                    | S/T   | 0.75             | 0.85             | 0.93             | 0.94             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 2.36             | 2.36             | 2.37             | 2.37             | 2.44             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             | 2.84             | 2.84             | 2.84             | 2.84             | 2.84             |
|                | 41°F<br>5°C        | TC    | 35781            | 35782            | 35881            | 35929            | 36949            | 37489            | 37485            | 37486            | 37486            | 37519            | 38689            | 38684            | 38681            | 38682            | 38686            | 40916            | 40906            | 40898            | 40902            | 40896            |
|                |                    | S/T   | 0.76             | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.64             |
|                |                    | PI    | 2.20             | 2.20             | 2.21             | 2.22             | 2.29             | 2.34             | 2.34             | 2.34             | 2.34             | 2.34             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             |
|                | 47°F<br>8.3°C      | TC    | 35190            | 35190            | 35325            | 35387            | 36476            | 36864            | 36859            | 36860            | 36860            | 36916            | 38038            | 38034            | 38031            | 38031            | 38034            | 40221            | 40211            | 40208            | 40207            | 40201            |
|                |                    | S/T   | 0.77             | 0.87             | 0.95             | 0.97             | 1.00             | 0.63             | 0.72             | 0.81             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.82             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 2.04             | 2.04             | 2.05             | 2.06             | 2.15             | 2.18             | 2.18             | 2.18             | 2.18             | 2.18             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.49             | 2.48             | 2.48             | 2.48             | 2.48             |
|                | 50°F<br>10°C       | TC    | 34351            | 34912            | 36078            | 36285            | 37675            | 36369            | 36391            | 36509            | 36556            | 37719            | 37801            | 37850            | 37872            | 37874            | 38045            | 40525            | 40544            | 40643            | 40654            | 40708            |
|                |                    | S/T   | 0.87             | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.92             | 0.94             | 1.00             | 0.57             | 0.69             | 0.80             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |
|                |                    | PI    | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             | 2.31             | 2.31             | 2.31             |
|                | 59°F<br>15°C       | TC    | 33789            | 34602            | 35820            | 36036            | 37486            | 35851            | 35867            | 36045            | 36114            | 37529            | 37340            | 37379            | 37395            | 37396            | 37643            | 40191            | 40202            | 40281            | 40290            | 40329            |
|                |                    | S/T   | 0.88             | 1.00             | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.97             | 1.00             | 0.58             | 0.71             | 0.81             | 0.83             | 0.96             | 0.39             | 0.50             | 0.59             | 0.61             | 0.73             |
|                |                    | PI    | 2.42             | 2.42             | 2.43             | 2.43             | 2.44             | 2.43             | 2.43             | 2.43             | 2.43             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.44             | 2.45             | 2.45             | 2.45             | 2.45             | 2.45             |
|                | 68°F<br>20°C       | TC    | 33260            | 34333            | 35596            | 35821            | 37327            | 35339            | 35350            | 35626            | 35859            | 37368            | 36877            | 36907            | 36917            | 36918            | 37339            | 39819            | 39832            | 39896            | 39903            | 39932            |
|                |                    | S/T   | 0.91             | 1.00             | 1.00             | 1.00             | 1.00             | 0.72             | 0.85             | 0.97             | 1.00             | 1.00             | 0.59             | 0.72             | 0.84             | 0.86             | 0.99             | 0.40             | 0.50             | 0.61             | 0.62             | 0.75             |
|                |                    | PI    | 2.52             | 2.53             | 2.54             | 2.55             | 2.56             | 2.54             | 2.54             | 2.54             | 2.55             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             |
|                | 77°F<br>25°C       | TC    | 32669            | 33920            | 35236            | 35470            | 37037            | 34793            | 34809            | 35210            | 35512            | 37081            | 36381            | 36423            | 36440            | 36482            | 37114            | 39403            | 39439            | 39527            | 39537            | 39579            |
|                |                    | S/T   | 0.92             | 1.00             | 1.00             | 1.00             | 1.00             | 0.72             | 0.87             | 0.99             | 1.00             | 1.00             | 0.59             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                    | PI    | 2.64             | 2.66             | 2.67             | 2.67             | 2.68             | 2.67             | 2.66             | 2.67             | 2.67             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.71             | 2.71             | 2.71             | 2.71             | 2.70             |
|                | 82°F<br>27.8°C     | TC    | 32440            | 33816            | 35163            | 35403            | 37013            | 34582            | 34638            | 35206            | 35446            | 37055            | 36200            | 36248            | 36266            | 36323            | 37089            | 39265            | 39315            | 39413            | 39424            | 39471            |
|                |                    | S/T   | 0.94             | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.87             | 1.00             | 1.00             | 1.00             | 0.60             | 0.74             | 0.86             | 0.87             | 1.00             | 0.40             | 0.51             | 0.62             | 0.63             | 0.76             |
|                |                    | PI    | 2.83             | 2.85             | 2.86             | 2.86             | 2.87             | 2.85             | 2.85             | 2.86             | 2.86             | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             | 2.90             | 2.90             | 2.90             | 2.90             | 2.89             |
|                | 86°F<br>30°C       | TC    | 32359            | 33858            | 35232            | 35474            | 37128            | 34496            | 34568            | 35274            | 35517            | 37157            | 36142            | 36184            | 36241            | 36274            | 37192            | 39248            | 39305            | 39397            | 39407            | 39448            |
|                |                    | S/T   | 0.95             | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.88             | 1.00             | 1.00             | 1.00             | 0.60             | 0.75             | 0.86             | 0.88             | 1.00             | 0.40             | 0.51             | 0.62             | 0.64             | 0.77             |
|                |                    | PI    | 3.13             | 3.15             | 3.16             | 3.17             | 3.19             | 3.16             | 3.16             | 3.16             | 3.17             | 3.19             | 3.18             | 3.18             | 3.18             | 3.18             | 3.19             | 3.22             | 3.21             | 3.21             | 3.21             | 3.21             |
|                | 95°F<br>35°C       | TC    | 32583            | 32641            | 33342            | 33538            | 34853            | 34667            | 34676            | 34687            | 34689            | 34924            | 36164            | 36168            | 36186            | 36189            | 36205            | 39040            | 39026            | 39030            | 39028            | 39057            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 3.67             | 3.67             | 3.71             | 3.72             | 3.79             | 3.78             | 3.78             | 3.78             | 3.78             | 3.80             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             | 4.03             | 4.03             | 4.03             | 4.03             | 4.03             |
|                | 104°F<br>40°C      | TC    | 27423            | 27521            | 28314            | 28481            | 29611            | 29178            | 29188            | 29196            | 29197            | 29582            | 30439            | 3                |                  |                  |                  |                  |                  |                  |                  |                  |

Table 14 – 36K RH High Static Cooling — 37MBRA + 45MCFA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
| 1224           | -13°F<br>25°C      | TC    | 37587           | 37570            | 38106            | 38264            | 39317            | 39216            | 39184            | 39159            | 39156            | 39123            | 40389            | 40338            | 40300            | 40294            | 40256            | 42603            | 42591            | 42504            | 42488            | 42398            |
|                |                    | S/T   | 0.80            | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.85             | 0.86             | 0.97             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.08            | 2.08             | 2.08             | 2.08             | 2.07             | 2.07             | 2.07             | 2.07             | 2.07             | 2.07             | 2.07             | 2.07             | 2.07             | 2.07             | 2.07             | 2.08             | 2.08             | 2.08             | 2.08             | 2.08             |
|                | -4°F<br>20°C       | TC    | 40478           | 40460            | 41037            | 41207            | 42341            | 42233            | 42198            | 42172            | 42168            | 42133            | 43496            | 43441            | 43400            | 43394            | 43352            | 45880            | 45867            | 45773            | 45756            | 45659            |
|                |                    | S/T   | 0.80            | 0.92             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.85             | 0.87             | 0.98             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.15            | 2.16             | 2.15             | 2.15             | 2.14             | 2.14             | 2.14             | 2.14             | 2.14             | 2.15             | 2.14             | 2.14             | 2.14             | 2.14             | 2.14             | 2.15             | 2.15             | 2.15             | 2.15             | 2.15             |
|                | 0°F<br>17.8°C      | TC    | 41822           | 41797            | 42573            | 42750            | 43924            | 43615            | 43567            | 43533            | 43528            | 43966            | 44897            | 44833            | 44778            | 44771            | 44750            | 47312            | 47301            | 47297            | 47303            | 47334            |
|                |                    | S/T   | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 2.17            | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.17             | 2.18             | 2.18             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             |
|                | 5°F<br>15°C        | TC    | 43021           | 43169            | 44155            | 44359            | 45726            | 45038            | 45050            | 45053            | 45099            | 45771            | 46478            | 46490            | 46500            | 46501            | 46563            | 49205            | 49190            | 49215            | 49221            | 49242            |
|                |                    | S/T   | 0.82            | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 2.19            | 2.19             | 2.19             | 2.20             | 2.21             | 2.20             | 2.20             | 2.20             | 2.20             | 2.21             | 2.21             | 2.22             | 2.22             | 2.22             | 2.22             | 2.26             | 2.26             | 2.26             | 2.26             | 2.27             |
|                | 14°F<br>10°C       | TC    | 41732           | 41711            | 42562            | 42762            | 44088            | 43804            | 43765            | 43735            | 43730            | 44140            | 45304            | 45248            | 45202            | 45195            | 45149            | 48173            | 48158            | 48066            | 48049            | 47947            |
|                |                    | S/T   | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.86             | 0.87             | 1.00             | 0.55             | 0.66             | 0.75             | 0.76             | 0.87             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.39            | 2.39             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.37             | 2.38             | 2.38             | 2.38             | 2.38             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             |
|                | 17°F<br>10°C       | TC    | 41207           | 41341            | 42296            | 42503            | 43883            | 43258            | 43276            | 43284            | 43320            | 43931            | 44734            | 44751            | 44769            | 44771            | 44826            | 47576            | 47563            | 47556            | 47564            | 47604            |
|                |                    | S/T   | 0.82            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 2.43            | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             | 2.45             | 2.45             | 2.45             | 2.45             | 2.45             |
|                | 23°F<br>5°C        | TC    | 40603           | 40778            | 41833            | 42039            | 43424            | 42659            | 42672            | 42677            | 42732            | 43471            | 44130            | 44146            | 44157            | 44158            | 44229            | 46924            | 46909            | 46943            | 46949            | 46976            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 2.52            | 2.53             | 2.53             | 2.54             | 2.55             | 2.54             | 2.54             | 2.54             | 2.54             | 2.55             | 2.56             | 2.56             | 2.56             | 2.56             | 2.56             | 2.61             | 2.61             | 2.61             | 2.61             | 2.61             |
|                | 35°F<br>1.7°C      | TC    | 39772           | 39773            | 40007            | 40118            | 41412            | 41631            | 41629            | 41633            | 41633            | 41744            | 42934            | 42931            | 42933            | 42934            | 42939            | 45351            | 45341            | 45338            | 45337            | 45340            |
|                |                    | S/T   | 0.78            | 0.88             | 0.97             | 0.99             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.63             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 2.55            | 2.55             | 2.57             | 2.58             | 2.68             | 2.70             | 2.70             | 2.70             | 2.70             | 2.71             | 2.82             | 2.82             | 2.82             | 2.82             | 2.82             | 3.07             | 3.07             | 3.07             | 3.07             | 3.07             |
|                | 41°F<br>5°C        | TC    | 39127           | 39127            | 39439            | 39713            | 40887            | 40947            | 40946            | 40948            | 40948            | 41092            | 42224            | 42221            | 42224            | 42224            | 42227            | 44593            | 44582            | 44579            | 44577            | 44582            |
|                |                    | S/T   | 0.78            | 0.89             | 0.98             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 2.38            | 2.38             | 2.40             | 2.42             | 2.52             | 2.53             | 2.53             | 2.53             | 2.53             | 2.54             | 2.64             | 2.64             | 2.64             | 2.64             | 2.64             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             |
|                | 47°F<br>8.3°C      | TC    | 38480           | 38506            | 39022            | 39196            | 40356            | 40264            | 40263            | 40264            | 40263            | 40450            | 41515            | 41511            | 41514            | 41513            | 41513            | 43839            | 43828            | 43824            | 43822            | 43827            |
|                |                    | S/T   | 0.79            | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.67             |
|                |                    | PI    | 2.21            | 2.21             | 2.25             | 2.27             | 2.36             | 2.35             | 2.35             | 2.35             | 2.35             | 2.37             | 2.46             | 2.46             | 2.46             | 2.46             | 2.46             | 2.69             | 2.68             | 2.68             | 2.68             | 2.68             |
|                | 50°F<br>10°C       | TC    | 37593           | 38628            | 39932            | 40163            | 41720            | 39715            | 39737            | 40012            | 40138            | 41760            | 41265            | 41318            | 41340            | 41343            | 41740            | 44109            | 44225            | 44339            | 44353            | 44408            |
|                |                    | S/T   | 0.90            | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.85             | 0.96             | 0.99             | 1.00             | 0.59             | 0.72             | 0.83             | 0.85             | 0.99             | 0.40             | 0.50             | 0.60             | 0.62             | 0.74             |
|                |                    | PI    | 2.51            | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             |
|                | 59°F<br>15°C       | TC    | 37001           | 38299            | 39658            | 39900            | 41523            | 39149            | 39202            | 39647            | 39943            | 41564            | 40764            | 40805            | 40819            | 40879            | 41599            | 43772            | 43860            | 43947            | 43957            | 43994            |
|                |                    | S/T   | 0.92            | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.86             | 1.00             | 1.00             | 1.00             | 0.60             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                    | PI    | 2.62            | 2.62             | 2.63             | 2.63             | 2.64             | 2.63             | 2.63             | 2.63             | 2.63             | 2.64             | 2.64             | 2.64             | 2.64             | 2.64             | 2.64             | 2.65             | 2.65             | 2.65             | 2.65             | 2.65             |
|                | 68°F<br>20°C       | TC    | 36395           | 37949            | 39356            | 39606            | 41287            | 38530            | 38617            | 39399            | 39649            | 41328            | 40196            | 40226            | 40298            | 40334            | 41362            | 43311            | 43391            | 43459            | 43466            | 43489            |
|                |                    | S/T   | 0.95            | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.89             | 1.00             | 1.00             | 1.00             | 0.61             | 0.75             | 0.87             | 0.89             | 1.00             | 0.40             | 0.51             | 0.63             | 0.65             | 0.78             |
|                |                    | PI    | 2.72            | 2.74             | 2.76             | 2.76             | 2.78             | 2.75             | 2.75             | 2.76             | 2.76             | 2.78             | 2.77             | 2.77             | 2.77             | 2.77             | 2.78             | 2.81             | 2.80             | 2.80             | 2.80             | 2.80             |
|                | 77°F<br>25°C       | TC    | 35764           | 37486            | 38953            | 39212            | 40964            | 37914            | 38035            | 38995            | 39256            | 41006            | 39631            | 39676            | 39777            | 39822            | 41040            | 42804            | 42933            | 43033            | 43043            | 43083            |
|                |                    | S/T   | 0.97            | 1.00             | 1.00             | 1.00             | 1.00             | 0.75             | 0.90             | 1.00             | 1.00             | 1.00             | 0.61             | 0.76             | 0.88             | 0.90             | 1.00             | 0.40             | 0.52             | 0.63             | 0.65             | 0.79             |
|                |                    | PI    | 2.86            | 2.88             | 2.89             | 2.89             | 2.90             | 2.88             | 2.88             | 2.89             | 2.89             | 2.91             | 2.90             | 2.90             | 2.90             | 2.90             | 2.91             | 2.93             | 2.93             | 2.93             | 2.93             | 2.92             |
|                | 82°F<br>27.8°C     | TC    | 35541           | 37356            | 38862            | 39126            | 40917            | 37663            | 37808            | 38896            | 39170            | 40960            | 39415            | 39464            | 39587            | 39636            | 40996            | 42615            | 42776            | 42887            | 42898            | 42945            |
|                |                    | S/T   | 0.99            | 1.00             | 1.00             | 1.00             | 1.00             | 0.76             | 0.91             | 1.00             | 1.00             | 1.00             | 0.62             | 0.77             | 0.89             | 0.92             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.80             |
|                |                    | PI    | 3.07            | 3.08             | 3.10             | 3.10             | 3.11             | 3.09             | 3.09             | 3.09             | 3.10             | 3.11             | 3.10             | 3.10             | 3.10             | 3.10             | 3.11             | 3.14             | 3.13             | 3.13             | 3.13             | 3.13             |
|                | 86°F<br>30°C       | TC    | 35644           | 37423            | 38954            | 39225            | 41052            | 37589            | 37762            | 38997            | 39270            | 41095            | 39370            | 39416            | 39560            | 39617            | 41130            | 42623            | 42788            | 42889            | 42900            | 42940            |
|                |                    | S/T   | 1.00            | 1.00             | 1.00             | 1.00             | 1.00             | 0.77             | 0.93             | 1.00             | 1.00             | 1.00             | 0.62             | 0.78             | 0.91             | 0.93             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.81             |
|                |                    | PI    | 3.39            | 3.41             | 3.43             | 3.43             | 3.45             | 3.41             | 3.41             | 3.43             | 3.43             | 3.45             | 3.43             | 3.43             | 3.43             | 3.43             | 3.45             | 3.48             | 3.47             | 3.47             | 3.47             | 3.47             |
|                | 95°F<br>35°C       | TC    | 35608           | 35800            | 36957            | 37176            | 38645            | 37844            | 37866            | 37877            | 37922            | 38694            | 39467            | 39476            | 39500            | 39504            | 39569            | 42528            | 42512            | 42520            | 42533            | 42590            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.96            | 3.97             | 4.04             | 4.05             | 4.13             | 4.09             | 4.09             | 4.09             | 4.09             | 4.13             | 4.18             | 4.18             | 4.18             | 4.18             | 4.19             | 4.35             | 4.35             | 4.35             | 4.35             | 4.35             |
|                | 104°F<br>40°C      | TC    | 29972           | 30246            | 31385            | 31573            | 32833            | 31               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 15 – 48K RH High Static Cooling — 37MBRA + 45MCFA

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 800            | -13°F<br>25°C      | TC    | 32066            | 32062            | 32058            | 32057            | 32051            | 33559            | 33550            | 33545            | 33544            | 33537            | 34617            | 34608            | 34600            | 34599            | 34591            | 36602            | 36593            | 36584            | 36583            | 36571            |
|                |                    | S/T   | 0.72             | 0.80             | 0.87             | 0.88             | 0.97             | 0.59             | 0.67             | 0.74             | 0.76             | 0.83             | 0.51             | 0.59             | 0.66             | 0.67             | 0.75             | 0.38             | 0.46             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 1.44             | 1.44             | 1.44             | 1.44             | 1.44             | 1.42             | 1.42             | 1.42             | 1.42             | 1.42             | 1.42             | 1.42             | 1.42             | 1.42             | 1.42             | 1.41             | 1.41             | 1.41             | 1.41             | 1.41             |
|                | -4°F<br>20°C       | TC    | 34533            | 34528            | 34524            | 34523            | 34517            | 36140            | 36131            | 36125            | 36124            | 36117            | 37280            | 37270            | 37262            | 37260            | 37252            | 39418            | 39407            | 39398            | 39397            | 39384            |
|                |                    | S/T   | 0.72             | 0.80             | 0.88             | 0.89             | 0.97             | 0.60             | 0.68             | 0.75             | 0.76             | 0.84             | 0.52             | 0.59             | 0.66             | 0.67             | 0.75             | 0.39             | 0.47             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.47             | 1.47             | 1.47             | 1.47             | 1.47             | 1.47             | 1.47             | 1.47             | 1.47             | 1.47             | 1.46             | 1.46             | 1.46             | 1.46             | 1.46             |
|                | 0°F<br>17.8°C      | TC    | 35657            | 35650            | 35644            | 35643            | 35633            | 37300            | 37293            | 37284            | 37283            | 37273            | 38464            | 38454            | 38445            | 38443            | 38431            | 40634            | 40623            | 40616            | 40614            | 40598            |
|                |                    | S/T   | 0.72             | 0.81             | 0.88             | 0.90             | 0.98             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 1.50             | 1.50             | 1.50             | 1.50             | 1.50             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             |
|                | 5°F<br>15°C        | TC    | 36775            | 36775            | 36775            | 36775            | 37325            | 38612            | 38605            | 38603            | 38604            | 38607            | 39932            | 39929            | 39923            | 39923            | 39926            | 42463            | 42452            | 42442            | 42440            | 42440            |
|                |                    | S/T   | 0.73             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.86             | 0.52             | 0.60             | 0.67             | 0.68             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 1.52             | 1.52             | 1.52             | 1.52             | 1.52             | 1.51             | 1.51             | 1.51             | 1.51             | 1.51             | 1.52             | 1.52             | 1.52             | 1.52             | 1.52             | 1.54             | 1.54             | 1.54             | 1.54             | 1.54             |
|                | 14°F<br>10°C       | TC    | 42711            | 42706            | 42700            | 42699            | 42907            | 44954            | 44942            | 44934            | 44934            | 44925            | 46555            | 46544            | 46532            | 46531            | 46521            | 49597            | 49583            | 49571            | 49569            | 49553            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 0.99             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.66             | 0.68             | 0.76             | 0.39             | 0.47             | 0.51             | 0.53             | 0.60             |
|                |                    | PI    | 2.06             | 2.06             | 2.06             | 2.06             | 2.06             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.03             | 2.03             | 2.03             | 2.03             | 2.03             |
|                | 17°F<br>10°C       | TC    | 44715            | 44706            | 44699            | 44698            | 45342            | 47060            | 47049            | 47039            | 47038            | 47038            | 48744            | 48742            | 48735            | 48734            | 48741            | 52036            | 52021            | 52009            | 52006            | 52009            |
|                |                    | S/T   | 0.73             | 0.82             | 0.89             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.22             | 2.22             | 2.22             | 2.22             | 2.22             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             | 2.21             |
|                | 23°F<br>5°C        | TC    | 44950            | 44952            | 44952            | 44981            | 45802            | 47369            | 47360            | 47360            | 47360            | 47366            | 49110            | 49107            | 49099            | 49099            | 49103            | 52458            | 52442            | 52430            | 52427            | 52428            |
|                |                    | S/T   | 0.74             | 0.83             | 0.90             | 0.91             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.38             | 2.38             | 2.38             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.39             | 2.40             | 2.40             | 2.40             | 2.40             | 2.40             | 2.43             | 2.43             | 2.43             | 2.43             | 2.43             |
|                | 35°F<br>1.7°C      | TC    | 45791            | 45787            | 45784            | 45784            | 45847            | 48163            | 48159            | 48153            | 48152            | 48148            | 49840            | 49830            | 49828            | 49826            | 49819            | 52979            | 52967            | 52957            | 52955            | 52952            |
|                |                    | S/T   | 0.70             | 0.78             | 0.85             | 0.86             | 0.93             | 0.59             | 0.66             | 0.72             | 0.74             | 0.81             | 0.51             | 0.58             | 0.64             | 0.65             | 0.73             | 0.39             | 0.46             | 0.50             | 0.51             | 0.58             |
|                |                    | PI    | 2.54             | 2.54             | 2.54             | 2.54             | 2.54             | 2.68             | 2.68             | 2.68             | 2.68             | 2.68             | 2.79             | 2.79             | 2.79             | 2.79             | 2.79             | 3.03             | 3.03             | 3.02             | 3.02             | 3.02             |
|                | 41°F<br>5°C        | TC    | 45699            | 45693            | 45691            | 45690            | 45797            | 48047            | 48042            | 48036            | 48035            | 48031            | 49707            | 49697            | 49693            | 49692            | 49684            | 52816            | 52805            | 52794            | 52793            | 52789            |
|                |                    | S/T   | 0.71             | 0.79             | 0.86             | 0.87             | 0.95             | 0.59             | 0.67             | 0.73             | 0.74             | 0.82             | 0.51             | 0.59             | 0.65             | 0.66             | 0.73             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.67             | 2.67             | 2.67             | 2.67             | 2.67             | 2.83             | 2.83             | 2.83             | 2.83             | 2.83             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             |
|                | 47°F<br>8.3°C      | TC    | 45597            | 45592            | 45589            | 45589            | 45747            | 47924            | 47919            | 47913            | 47913            | 47909            | 49573            | 49561            | 49558            | 49557            | 49549            | 52651            | 52639            | 52629            | 52627            | 52622            |
|                |                    | S/T   | 0.71             | 0.80             | 0.87             | 0.88             | 0.96             | 0.59             | 0.67             | 0.74             | 0.75             | 0.83             | 0.51             | 0.59             | 0.65             | 0.66             | 0.74             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.80             | 2.80             | 2.80             | 2.80             | 2.81             | 2.98             | 2.98             | 2.98             | 2.98             | 2.98             | 3.12             | 3.12             | 3.12             | 3.12             | 3.12             | 3.41             | 3.41             | 3.41             | 3.41             | 3.41             |
|                | 50°F<br>10°C       | TC    | 44377            | 44383            | 44792            | 45156            | 46832            | 47061            | 47071            | 47085            | 47087            | 47260            | 49009            | 49013            | 49035            | 49039            | 49058            | 52783            | 52763            | 52771            | 52767            | 52814            |
|                |                    | S/T   | 0.79             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 3.13             | 3.13             | 3.13             | 3.13             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.14             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             |
|                | 59°F<br>15°C       | TC    | 42749            | 42815            | 43657            | 43913            | 45629            | 45468            | 45477            | 45486            | 45487            | 45766            | 47457            | 47446            | 47465            | 47467            | 47481            | 51272            | 51251            | 51255            | 51253            | 51291            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 3.15             | 3.15             | 3.16             | 3.16             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.20             | 3.20             | 3.20             | 3.20             | 3.20             |
|                | 68°F<br>20°C       | TC    | 41160            | 41294            | 42460            | 42721            | 44467            | 43893            | 43901            | 43907            | 43907            | 44435            | 45887            | 45878            | 45895            | 45897            | 45906            | 49724            | 49703            | 49704            | 49703            | 49741            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 3.17             | 3.17             | 3.18             | 3.19             | 3.20             | 3.20             | 3.20             | 3.20             | 3.20             | 3.20             | 3.22             | 3.22             | 3.22             | 3.22             | 3.22             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             |
|                | 77°F<br>25°C       | TC    | 39518            | 39713            | 41076            | 41344            | 43124            | 42283            | 42298            | 42306            | 42347            | 43186            | 44304            | 44301            | 44325            | 44328            | 44381            | 48195            | 48173            | 48179            | 48179            | 48235            |
|                |                    | S/T   | 0.83             | 0.96             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.55             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 3.22             | 3.22             | 3.23             | 3.24             | 3.25             | 3.25             | 3.24             | 3.24             | 3.24             | 3.25             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             | 3.30             | 3.30             | 3.30             | 3.30             | 3.30             |
|                | 82°F<br>27.8°C     | TC    | 38670            | 38919            | 40412            | 40680            | 42477            | 41445            | 41466            | 41500            | 41537            | 42539            | 43477            | 43480            | 43505            | 43508            | 43583            | 47390            | 47367            | 47375            | 47379            | 47443            |
|                |                    | S/T   | 0.84             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.88             | 0.90             | 1.00             | 0.56             | 0.67             | 0.77             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.41             | 3.41             | 3.43             | 3.43             | 3.45             | 3.44             | 3.44             | 3.44             | 3.44             | 3.45             | 3.46             | 3.46             | 3.46             | 3.46             | 3.46             | 3.49             | 3.49             | 3.49             | 3.49             | 3.49             |
|                | 86°F<br>30°C       | TC    | 38072            | 38404            | 40005            | 40275            | 42086            | 40855            | 40873            | 40929            | 40970            | 42147            | 42886            | 42892            | 42915            | 42917            | 43015            | 46802            | 46779            | 46788            | 46798            | 46856            |
|                |                    | S/T   | 0.85             | 0.98             | 1.00             | 1.00             | 1.00             | 0.67             | 0.80             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.77             | 3.77             | 3.79             | 3.79             | 3.81             | 3.80             | 3.80             | 3.80             | 3.80             | 3.81             | 3.83             | 3.82             | 3.82             | 3.82             | 3.82             | 3.87             | 3.87             | 3.87             | 3.87             | 3.87             |
|                | 95°F<br>35°C       | TC    | 37301            | 37300            | 37303            | 37345            | 38301            | 39799            | 39789            | 39786            | 39787            | 39794            | 41600            | 41596            | 41587            | 41586            | 41587            | 45080            | 45065            | 45052            | 45050            | 45050            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.87             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 4.42             | 4.42             | 4.42             | 4.42             | 4.47             | 4.55             | 4.55             | 4.55             | 4.55             | 4.55             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 15 – 48K RH High Static Cooling — 37MBRA + 45MCFA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    |       |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 1082           | -13°F<br>25°C      | TC    | 34186           | 34179            | 34172            | 34171            | 34873            | 35725            | 35715            | 35706            | 35704            | 35692            | 36816            | 36804            | 36792            | 36789            | 36773            | 38863            | 38853            | 38837            | 38836            | 38811            |
|                |                    | S/T   | 0.75            | 0.84             | 0.92             | 0.93             | 1.00             | 0.61             | 0.70             | 0.78             | 0.79             | 0.88             | 0.52             | 0.61             | 0.69             | 0.70             | 0.79             | 0.38             | 0.46             | 0.53             | 0.54             | 0.62             |
|                |                    | PI    | 1.48            | 1.48             | 1.48             | 1.48             | 1.47             | 1.47             | 1.47             | 1.47             | 1.47             | 1.47             | 1.46             | 1.46             | 1.46             | 1.46             | 1.46             | 1.46             | 1.46             | 1.46             | 1.46             | 1.46             |
|                | -4°F<br>20°C       | TC    | 36816           | 36808            | 36801            | 36800            | 37555            | 38474            | 38463            | 38452            | 38451            | 38438            | 39648            | 39636            | 39622            | 39619            | 39601            | 41852            | 41842            | 41825            | 41824            | 41796            |
|                |                    | S/T   | 0.75            | 0.84             | 0.92             | 0.94             | 1.00             | 0.61             | 0.71             | 0.78             | 0.79             | 0.88             | 0.53             | 0.61             | 0.69             | 0.70             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 1.53            | 1.53             | 1.53             | 1.53             | 1.53             | 1.52             | 1.52             | 1.52             | 1.52             | 1.52             | 1.51             | 1.51             | 1.52             | 1.52             | 1.52             | 1.52             | 1.52             | 1.52             | 1.52             | 1.52             |
|                | 0°F<br>17.8°C      | TC    | 38020           | 38009            | 38001            | 37999            | 38946            | 39715            | 39701            | 39686            | 39683            | 39666            | 40914            | 40897            | 40880            | 40876            | 40851            | 43141            | 43132            | 43128            | 43125            | 43130            |
|                |                    | S/T   | 0.75            | 0.85             | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 1.55            | 1.55             | 1.55             | 1.55             | 1.54             | 1.54             | 1.54             | 1.54             | 1.54             | 1.54             | 1.54             | 1.54             | 1.54             | 1.54             | 1.54             | 1.55             | 1.55             | 1.55             | 1.55             | 1.55             |
|                | 5°F<br>15°C        | TC    | 39176           | 39179            | 39302            | 39358            | 40509            | 41084            | 41082            | 41088            | 41088            | 41137            | 42451            | 42449            | 42452            | 42453            | 42462            | 45060            | 45048            | 45049            | 45047            | 45050            |
|                |                    | S/T   | 0.76            | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 1.56            | 1.56             | 1.56             | 1.56             | 1.56             | 1.56             | 1.56             | 1.56             | 1.56             | 1.56             | 1.57             | 1.57             | 1.57             | 1.57             | 1.57             | 1.59             | 1.59             | 1.59             | 1.59             | 1.59             |
|                | 14°F<br>10°C       | TC    | 45525           | 45515            | 45506            | 45505            | 46797            | 47851            | 47836            | 47823            | 47820            | 47805            | 49513            | 49497            | 49479            | 49476            | 49453            | 52673            | 52658            | 52637            | 52635            | 52601            |
|                |                    | S/T   | 0.75            | 0.85             | 0.93             | 0.95             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.79             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 2.12            | 2.12             | 2.12             | 2.12             | 2.11             | 2.11             | 2.11             | 2.11             | 2.11             | 2.11             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             | 2.10             |
|                | 17°F<br>10°C       | TC    | 47629           | 47614            | 47738            | 47805            | 49237            | 50061            | 50044            | 50055            | 50057            | 50110            | 51814            | 51814            | 51822            | 51825            | 51841            | 55213            | 55197            | 55203            | 55200            | 55212            |
|                |                    | S/T   | 0.76            | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 2.29            | 2.29             | 2.29             | 2.29             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.28             | 2.29             | 2.29             | 2.29             | 2.29             | 2.29             |
|                | 23°F<br>5°C        | TC    | 47887           | 47892            | 48087            | 48172            | 49755            | 50400            | 50399            | 50408            | 50409            | 50490            | 52206            | 52204            | 52209            | 52211            | 52223            | 55664            | 55647            | 55650            | 55647            | 55655            |
|                |                    | S/T   | 0.77            | 0.87             | 0.95             | 0.97             | 1.00             | 0.62             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.81             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 2.46            | 2.46             | 2.46             | 2.46             | 2.46             | 2.47             | 2.47             | 2.47             | 2.47             | 2.47             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.52             | 2.52             | 2.52             | 2.52             | 2.52             |
|                | 35°F<br>1.7°C      | TC    | 48862           | 48859            | 48860            | 48860            | 49488            | 51292            | 51282            | 51278            | 51278            | 51280            | 52997            | 52992            | 52984            | 52983            | 52981            | 56182            | 56169            | 56158            | 56156            | 56154            |
|                |                    | S/T   | 0.73            | 0.81             | 0.89             | 0.90             | 1.00             | 0.60             | 0.68             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 2.61            | 2.61             | 2.61             | 2.61             | 2.65             | 2.76             | 2.76             | 2.76             | 2.76             | 2.76             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 3.13             | 3.13             | 3.13             | 3.13             | 3.13             |
|                | 41°F<br>5°C        | TC    | 48634           | 48750            | 48751            | 48765            | 49568            | 51162            | 51152            | 51148            | 51149            | 51150            | 52854            | 52849            | 52840            | 52839            | 52838            | 56010            | 55997            | 55986            | 55983            | 55979            |
|                |                    | S/T   | 0.74            | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.45             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.74            | 2.75             | 2.75             | 2.75             | 2.80             | 2.92             | 2.92             | 2.92             | 2.92             | 2.92             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.33             | 3.33             | 3.33             | 3.33             | 3.33             |
|                | 47°F<br>8.3°C      | TC    | 48642           | 48639            | 48639            | 48687            | 49645            | 51028            | 51020            | 51016            | 51016            | 51017            | 52710            | 52705            | 52697            | 52696            | 52695            | 55842            | 55828            | 55818            | 55816            | 55812            |
|                |                    | S/T   | 0.74            | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.70             | 0.77             | 0.78             | 0.87             | 0.52             | 0.61             | 0.68             | 0.69             | 0.78             | 0.39             | 0.45             | 0.52             | 0.53             | 0.62             |
|                |                    | PI    | 2.89            | 2.89             | 2.89             | 2.89             | 2.97             | 3.09             | 3.09             | 3.09             | 3.09             | 3.09             | 3.23             | 3.23             | 3.22             | 3.22             | 3.22             | 3.52             | 3.52             | 3.52             | 3.52             | 3.52             |
|                | 50°F<br>10°C       | TC    | 47245           | 47445            | 48784            | 49061            | 50916            | 50049            | 50080            | 50093            | 50145            | 50980            | 52081            | 52110            | 52140            | 52145            | 52220            | 55959            | 55938            | 56003            | 56019            | 56095            |
|                |                    | S/T   | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 3.24            | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.23             |
|                | 59°F<br>15°C       | TC    | 45514           | 45839            | 47459            | 47743            | 49640            | 48363            | 48385            | 48458            | 48503            | 49704            | 50421            | 50447            | 50471            | 50474            | 50597            | 54379            | 54356            | 54410            | 54422            | 54479            |
|                |                    | S/T   | 0.85            | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.26            | 3.26             | 3.27             | 3.27             | 3.28             | 3.27             | 3.27             | 3.27             | 3.27             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.28             | 3.30             | 3.30             | 3.30             | 3.30             | 3.30             |
|                | 68°F<br>20°C       | TC    | 43822           | 44558            | 46178            | 46465            | 48395            | 46690            | 46708            | 46837            | 46894            | 48457            | 48760            | 48786            | 48802            | 48804            | 48993            | 52749            | 52726            | 52777            | 52787            | 52830            |
|                |                    | S/T   | 0.87            | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.91             | 0.93             | 1.00             | 0.57             | 0.69             | 0.79             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |
|                |                    | PI    | 3.27            | 3.28             | 3.30             | 3.30             | 3.32             | 3.31             | 3.31             | 3.31             | 3.31             | 3.32             | 3.33             | 3.33             | 3.33             | 3.33             | 3.33             | 3.37             | 3.37             | 3.37             | 3.37             | 3.37             |
|                | 77°F<br>25°C       | TC    | 42072           | 43054            | 44703            | 44997            | 46964            | 44981            | 45002            | 45176            | 45249            | 47024            | 47068            | 47109            | 47132            | 47135            | 47378            | 51106            | 51082            | 51163            | 51176            | 51234            |
|                |                    | S/T   | 0.88            | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.82             | 0.93             | 0.95             | 1.00             | 0.57             | 0.70             | 0.80             | 0.82             | 0.94             | 0.39             | 0.49             | 0.59             | 0.60             | 0.72             |
|                |                    | PI    | 3.33            | 3.33             | 3.35             | 3.35             | 3.37             | 3.35             | 3.35             | 3.35             | 3.36             | 3.37             | 3.37             | 3.37             | 3.37             | 3.37             | 3.37             | 3.41             | 3.41             | 3.41             | 3.41             | 3.40             |
|                | 82°F<br>27.8°C     | TC    | 41202           | 42322            | 43988            | 44284            | 46270            | 44091            | 44115            | 44327            | 44414            | 46332            | 46186            | 46236            | 46260            | 46263            | 46555            | 50243            | 50252            | 50315            | 50329            | 50394            |
|                |                    | S/T   | 0.88            | 1.00             | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.96             | 1.00             | 0.58             | 0.70             | 0.81             | 0.83             | 0.96             | 0.39             | 0.49             | 0.59             | 0.61             | 0.72             |
|                |                    | PI    | 3.53            | 3.54             | 3.55             | 3.55             | 3.57             | 3.55             | 3.55             | 3.55             | 3.55             | 3.57             | 3.57             | 3.57             | 3.57             | 3.57             | 3.57             | 3.61             | 3.61             | 3.61             | 3.61             | 3.60             |
|                | 86°F<br>30°C       | TC    | 40593           | 41874            | 43553            | 43850            | 45850            | 43466            | 43488            | 43747            | 43863            | 45910            | 45563            | 45611            | 45633            | 45636            | 45989            | 49624            | 49627            | 49700            | 49713            | 49771            |
|                |                    | S/T   | 0.90            | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.84             | 0.96             | 0.98             | 1.00             | 0.58             | 0.71             | 0.82             | 0.84             | 0.97             | 0.39             | 0.50             | 0.60             | 0.61             | 0.73             |
|                |                    | PI    | 3.89            | 3.91             | 3.93             | 3.93             | 3.95             | 3.93             | 3.93             | 3.93             | 3.93             | 3.95             | 3.95             | 3.95             | 3.95             | 3.95             | 3.95             | 4.00             | 4.00             | 4.00             | 4.00             | 3.99             |
|                | 95°F<br>35°C       | TC    | 39755           | 39763            | 39982            | 40085            | 41737            | 42354            | 42349            | 42360            | 42362            | 42437            | 44223            | 44222            | 44221            | 44223            | 44243            | 47828            | 47811            | 47797            | 47819            | 47806            |
|                |                    | S/T   | 0.77            | 0.87             | 0.96             | 0.98             | 1.00             | 0.63             | 0.72             | 0.80             | 0.82             | 0.91             | 0.53             | 0.62             | 0.70             | 0.72             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.63             |
|                |                    | PI    | 4.56            | 4.56             | 4.57             | 4.58             | 4.67             | 4.70             | 4.70             | 4.70             | 4.70             | 4.71             | 4.81             | 4.81             | 4.81             | 4.81             | 4.81             | 5.01             | 5.01</           |                  |                  |                  |

Table 15 – 48K RH High Static Cooling — 37MBRA + 45MCFA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 1236           | -13°F<br>25°C      | TC    | 36429            | 36417            | 36406            | 36618            | 37696            | 38033            | 38012            | 37995            | 37992            | 37966            | 39168            | 39148            | 39122            | 39118            | 39091            | 41318            | 41307            | 41276            | 41266            | 41204            |
|                |                    | S/T   | 0.77             | 0.88             | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.81             | 0.83             | 0.93             | 0.54             | 0.63             | 0.71             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 1.54             | 1.54             | 1.54             | 1.54             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             | 1.53             |
|                | -4°F<br>20°C       | TC    | 39232            | 39218            | 39207            | 39435            | 40596            | 40959            | 40936            | 40918            | 40915            | 40887            | 42181            | 42159            | 42131            | 42127            | 42097            | 44496            | 44484            | 44451            | 44440            | 44374            |
|                |                    | S/T   | 0.78             | 0.88             | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |
|                |                    | PI    | 1.59             | 1.59             | 1.60             | 1.59             | 1.59             | 1.58             | 1.58             | 1.58             | 1.58             | 1.58             | 1.58             | 1.58             | 1.58             | 1.58             | 1.58             | 1.59             | 1.59             | 1.59             | 1.59             | 1.59             |
|                | 0°F<br>17.8°C      | TC    | 40526            | 40509            | 40665            | 40975            | 42110            | 42293            | 42261            | 42237            | 42233            | 42226            | 43534            | 43509            | 43469            | 43463            | 43424            | 45880            | 45866            | 45869            | 45874            | 45908            |
|                |                    | S/T   | 0.78             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.95             | 0.54             | 0.64             | 0.73             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 1.61             | 1.61             | 1.61             | 1.61             | 1.60             | 1.60             | 1.60             | 1.60             | 1.60             | 1.60             | 1.60             | 1.60             | 1.60             | 1.60             | 1.61             | 1.62             | 1.62             | 1.62             | 1.62             | 1.62             |
|                | 5°F<br>15°C        | TC    | 41718            | 41756            | 42319            | 42513            | 43813            | 43702            | 43711            | 43716            | 43717            | 43932            | 45132            | 45129            | 45141            | 45142            | 45147            | 47829            | 47815            | 47816            | 47819            | 47846            |
|                |                    | S/T   | 0.79             | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 1.62             | 1.62             | 1.62             | 1.62             | 1.63             | 1.63             | 1.63             | 1.63             | 1.63             | 1.63             | 1.63             | 1.63             | 1.63             | 1.64             | 1.64             | 1.64             | 1.67             | 1.67             | 1.67             | 1.67             |
|                | 14°F<br>10°C       | TC    | 48485            | 48467            | 48668            | 49094            | 50617            | 50919            | 50890            | 50865            | 50862            | 50835            | 52679            | 52654            | 52613            | 52606            | 52562            | 55991            | 55974            | 55934            | 55921            | 55835            |
|                |                    | S/T   | 0.78             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |
|                |                    | PI    | 2.21             | 2.21             | 2.21             | 2.21             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.19             | 2.19             | 2.19             | 2.19             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             | 2.20             |
|                | 17°F<br>10°C       | TC    | 50796            | 50809            | 51431            | 51728            | 53393            | 53346            | 53351            | 53362            | 53364            | 53616            | 55047            | 55069            | 55104            | 55107            | 55121            | 58709            | 58690            | 58697            | 58708            | 58762            |
|                |                    | S/T   | 0.79             | 0.89             | 1.00             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.85             | 0.95             | 0.55             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.38             | 2.40             | 2.40             | 2.40             | 2.40             | 2.40             |
|                | 23°F<br>5°C        | TC    | 50993            | 51064            | 51895            | 52149            | 53854            | 53610            | 53624            | 53631            | 53632            | 53949            | 55500            | 55499            | 55516            | 55518            | 55527            | 59078            | 59061            | 59063            | 59071            | 59111            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.97             | 0.54             | 0.65             | 0.74             | 0.75             | 0.85             | 0.39             | 0.47             | 0.56             | 0.57             | 0.66             |
|                |                    | PI    | 2.56             | 2.56             | 2.56             | 2.56             | 2.57             | 2.57             | 2.57             | 2.57             | 2.57             | 2.58             | 2.59             | 2.59             | 2.59             | 2.59             | 2.59             | 2.63             | 2.63             | 2.63             | 2.63             | 2.63             |
|                | 35°F<br>1.7°C      | TC    | 52095            | 52097            | 52197            | 52256            | 53599            | 54595            | 54587            | 54589            | 54591            | 54592            | 56349            | 56345            | 56339            | 56339            | 56346            | 59613            | 59599            | 59586            | 59595            | 59584            |
|                |                    | S/T   | 0.75             | 0.85             | 0.93             | 0.94             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 2.72             | 2.72             | 2.72             | 2.73             | 2.81             | 2.88             | 2.88             | 2.88             | 2.88             | 2.88             | 3.00             | 3.00             | 3.00             | 3.00             | 3.00             | 3.27             | 3.26             | 3.26             | 3.26             | 3.26             |
|                | 41°F<br>5°C        | TC    | 51974            | 51975            | 52119            | 52189            | 53671            | 54456            | 54449            | 54451            | 54451            | 54499            | 56198            | 56192            | 56187            | 56188            | 56194            | 59433            | 59419            | 59407            | 59413            | 59404            |
|                |                    | S/T   | 0.76             | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.64             |
|                |                    | PI    | 2.87             | 2.87             | 2.88             | 2.89             | 2.99             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.47             | 3.47             | 3.47             | 3.47             | 3.47             |
|                | 47°F<br>8.3°C      | TC    | 51848            | 51848            | 52048            | 52139            | 53743            | 54315            | 54308            | 54309            | 54309            | 54391            | 56045            | 56039            | 56035            | 56035            | 56039            | 59261            | 59246            | 59242            | 59240            | 59231            |
|                |                    | S/T   | 0.77             | 0.87             | 0.95             | 0.97             | 1.00             | 0.63             | 0.72             | 0.81             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.82             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 3.02             | 3.02             | 3.03             | 3.04             | 3.17             | 3.21             | 3.21             | 3.21             | 3.21             | 3.22             | 3.36             | 3.36             | 3.36             | 3.36             | 3.36             | 3.67             | 3.67             | 3.67             | 3.67             | 3.67             |
|                | 50°F<br>10°C       | TC    | 50288            | 51110            | 52817            | 53120            | 55155            | 53243            | 53274            | 53447            | 53516            | 55219            | 55340            | 55411            | 55443            | 55446            | 55697            | 59326            | 59355            | 59499            | 59516            | 59594            |
|                |                    | S/T   | 0.87             | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.92             | 0.94             | 1.00             | 0.57             | 0.69             | 0.80             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |
|                |                    | PI    | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.38             | 3.37             | 3.37             | 3.37             | 3.37             | 3.37             |
|                | 59°F<br>15°C       | TC    | 48493            | 49660            | 51408            | 51718            | 53798            | 51452            | 51475            | 51730            | 51830            | 53860            | 53589            | 53646            | 53668            | 53670            | 54025            | 57681            | 57696            | 57809            | 57823            | 57879            |
|                |                    | S/T   | 0.88             | 1.00             | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.97             | 1.00             | 0.58             | 0.71             | 0.81             | 0.83             | 0.96             | 0.39             | 0.50             | 0.59             | 0.61             | 0.73             |
|                |                    | PI    | 3.40             | 3.41             | 3.41             | 3.42             | 3.43             | 3.41             | 3.41             | 3.42             | 3.42             | 3.43             | 3.43             | 3.43             | 3.42             | 3.42             | 3.43             | 3.45             | 3.45             | 3.45             | 3.45             | 3.44             |
|                | 68°F<br>20°C       | TC    | 46752            | 48260            | 50035            | 50351            | 52468            | 49674            | 49689            | 50078            | 50405            | 52527            | 51835            | 51878            | 51893            | 51894            | 52485            | 55971            | 55990            | 56079            | 56090            | 56130            |
|                |                    | S/T   | 0.91             | 1.00             | 1.00             | 1.00             | 1.00             | 0.72             | 0.85             | 0.97             | 1.00             | 1.00             | 0.59             | 0.72             | 0.84             | 0.86             | 0.99             | 0.40             | 0.50             | 0.61             | 0.62             | 0.75             |
|                |                    | PI    | 3.42             | 3.43             | 3.45             | 3.45             | 3.48             | 3.45             | 3.45             | 3.45             | 3.46             | 3.48             | 3.47             | 3.47             | 3.47             | 3.47             | 3.48             | 3.52             | 3.52             | 3.52             | 3.51             | 3.51             |
|                | 77°F<br>25°C       | TC    | 44931            | 46652            | 48461            | 48783            | 50939            | 47852            | 47875            | 48425            | 48840            | 50999            | 50037            | 50094            | 50117            | 50175            | 51045            | 54192            | 54242            | 54363            | 54376            | 54435            |
|                |                    | S/T   | 0.92             | 1.00             | 1.00             | 1.00             | 1.00             | 0.72             | 0.87             | 0.99             | 1.00             | 1.00             | 0.59             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                    | PI    | 3.47             | 3.49             | 3.50             | 3.51             | 3.52             | 3.50             | 3.50             | 3.50             | 3.51             | 3.52             | 3.52             | 3.52             | 3.52             | 3.52             | 3.52             | 3.56             | 3.56             | 3.55             | 3.55             | 3.55             |
|                | 82°F<br>27.8°C     | TC    | 44001            | 45867            | 47695            | 48020            | 50204            | 46906            | 46982            | 47753            | 48078            | 50260            | 49100            | 49166            | 49190            | 49268            | 50306            | 53258            | 53326            | 53459            | 53474            | 53538            |
|                |                    | S/T   | 0.94             | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.87             | 1.00             | 1.00             | 1.00             | 0.60             | 0.74             | 0.86             | 0.87             | 1.00             | 0.40             | 0.51             | 0.62             | 0.63             | 0.76             |
|                |                    | PI    | 3.68             | 3.70             | 3.71             | 3.71             | 3.73             | 3.71             | 3.71             | 3.71             | 3.71             | 3.72             | 3.73             | 3.73             | 3.73             | 3.72             | 3.73             | 3.73             | 3.77             | 3.76             | 3.76             | 3.76             |
|                | 86°F<br>30°C       | TC    | 43325            | 45332            | 47171            | 47496            | 49710            | 46186            | 46282            | 47228            | 47553            | 49749            | 48390            | 48447            | 48523            | 48567            | 49795            | 52549            | 52625            | 52748            | 52762            | 52816            |
|                |                    | S/T   | 0.95             | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.88             | 1.00             | 1.00             | 1.00             | 0.60             | 0.75             | 0.86             | 0.88             | 1.00             | 0.40             | 0.51             | 0.62             | 0.64             | 0.77             |
|                |                    | PI    | 4.06             | 4.09             | 4.11             | 4.11             | 4.14             | 4.10             | 4.10             | 4.11             | 4.11             | 4.13             | 4.12             | 4.12             | 4.12             | 4.12             | 4.13             | 4.17             | 4.17             | 4.17             | 4.17             | 4.16             |
|                | 95°F<br>35°C       | TC    | 42340            | 42415            | 43326            | 43581            | 45290            | 45048            | 45059            | 45074            | 45077            | 45382            | 46993            | 46998            | 47022            | 47026            | 47047            | 50730            | 50712            | 50717            | 50715            | 50753            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 4.76             | 4.76             | 4.81             | 4.82             | 4.92             | 4.91             | 4.91             | 4.91             | 4.91             | 4.92             | 5.01             | 5.01             | 5.01             | 5.01             | 5.01             | 5.22             | 5.22             | 5.22             | 5.22             | 5.22             |
|                | 104°F<br>40°C      | TC    | 37624            | 37758            | 38846            | 39075            | 40625            | 40031            | 40045            | 40055            | 40057            | 40               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 15 – 48K RH High Static Cooling — 37MBRA + 45MCFA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
|                |                    | 1353  | -13°F<br>25°C   | TC               | 38799            | 38782            | 39335            | 39498            | 40585            | 40481            | 40448            | 40423            | 40419            | 40385            | 41692            | 41639            | 41600            | 41594            | 41554            | 43977            | 43965            | 43875            |
| S/T            | 0.80               |       |                 | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.85             | 0.86             | 0.97             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
| PI             | 1.62               |       |                 | 1.62             | 1.61             | 1.61             | 1.61             | 1.61             | 1.61             | 1.61             | 1.61             | 1.61             | 1.61             | 1.61             | 1.61             | 1.61             | 1.61             | 1.62             | 1.62             | 1.62             | 1.62             | 1.62             |
| -4°F<br>20°C   | TC                 |       | 41784           | 41765            | 42361            | 42536            | 43707            | 43595            | 43560            | 43532            | 43528            | 43492            | 44899            | 44842            | 44800            | 44794            | 44751            | 47360            | 47347            | 47250            | 47232            | 47132            |
|                | S/T                |       | 0.80            | 0.92             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.85             | 0.87             | 0.98             | 0.55             | 0.65             | 0.74             | 0.76             | 0.86             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                | PI                 |       | 1.67            | 1.68             | 1.67             | 1.67             | 1.67             | 1.67             | 1.67             | 1.67             | 1.67             | 1.67             | 1.66             | 1.66             | 1.66             | 1.66             | 1.67             | 1.67             | 1.67             | 1.67             | 1.67             | 1.67             |
| 0°F<br>17.8°C  | TC                 |       | 43171           | 43145            | 43946            | 44129            | 45341            | 45022            | 44972            | 44938            | 44932            | 45384            | 46346            | 46280            | 46222            | 46215            | 46193            | 48838            | 48826            | 48822            | 48829            | 48861            |
|                | S/T                |       | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                | PI                 |       | 1.69            | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             | 1.71             | 1.71             | 1.71             | 1.71             | 1.71             |
| 5°F<br>15°C    | TC                 |       | 44408           | 44561            | 45580            | 45790            | 47201            | 46491            | 46503            | 46506            | 46554            | 47248            | 47978            | 47990            | 48000            | 48001            | 48065            | 50792            | 50777            | 50803            | 50809            | 50831            |
|                | S/T                |       | 0.82            | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.87             | 0.88             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                | PI                 |       | 1.70            | 1.70             | 1.71             | 1.71             | 1.72             | 1.71             | 1.71             | 1.71             | 1.71             | 1.72             | 1.72             | 1.72             | 1.72             | 1.72             | 1.72             | 1.76             | 1.76             | 1.76             | 1.76             | 1.76             |
| 14°F<br>10°C   | TC                 |       | 51651           | 51625            | 52679            | 52926            | 54567            | 54216            | 54168            | 54131            | 54125            | 54631            | 56073            | 56003            | 55946            | 55937            | 55880            | 59623            | 59605            | 59491            | 59470            | 59343            |
|                | S/T                |       | 0.81            | 0.93             | 1.00             | 1.00             | 1.00             | 0.65             | 0.76             | 0.86             | 0.87             | 1.00             | 0.55             | 0.66             | 0.75             | 0.76             | 0.87             | 0.39             | 0.48             | 0.56             | 0.57             | 0.67             |
|                | PI                 |       | 2.32            | 2.32             | 2.32             | 2.32             | 2.31             | 2.31             | 2.31             | 2.31             | 2.31             | 2.31             | 2.31             | 2.31             | 2.31             | 2.31             | 2.31             | 2.32             | 2.32             | 2.32             | 2.32             | 2.32             |
| 17°F<br>10°C   | TC                 |       | 53932           | 54108            | 55358            | 55628            | 57435            | 56617            | 56640            | 56650            | 56698            | 57497            | 58549            | 58571            | 58594            | 58597            | 58669            | 62268            | 62251            | 62242            | 62253            | 62305            |
|                | S/T                |       | 0.82            | 0.93             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.87             | 0.88             | 1.00             | 0.55             | 0.66             | 0.76             | 0.77             | 0.87             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                | PI                 |       | 2.50            | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.50             | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.53             | 2.53             | 2.53             | 2.53             | 2.53             |
| 23°F<br>5°C    | TC                 |       | 54281           | 54514            | 55925            | 56201            | 58053            | 57030            | 57047            | 57053            | 57128            | 58115            | 58997            | 59017            | 59032            | 59034            | 59129            | 62731            | 62712            | 62756            | 62765            | 62801            |
|                | S/T                |       | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                | PI                 |       | 2.69            | 2.69             | 2.70             | 2.70             | 2.72             | 2.71             | 2.71             | 2.71             | 2.71             | 2.72             | 2.72             | 2.73             | 2.73             | 2.73             | 2.73             | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             |
| 35°F<br>1.7°C  | TC                 |       | 55496           | 55498            | 55824            | 55980            | 57786            | 58090            | 58088            | 58093            | 58093            | 58248            | 59909            | 59905            | 59908            | 59909            | 59915            | 63282            | 63267            | 63264            | 63261            | 63267            |
|                | S/T                |       | 0.78            | 0.88             | 0.97             | 0.99             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.63             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                | PI                 |       | 2.86            | 2.86             | 2.88             | 2.89             | 3.01             | 3.03             | 3.03             | 3.03             | 3.03             | 3.04             | 3.16             | 3.16             | 3.16             | 3.16             | 3.16             | 3.44             | 3.44             | 3.44             | 3.44             | 3.44             |
| 41°F<br>5°C    | TC                 |       | 55364           | 55365            | 55805            | 56193            | 57854            | 57939            | 57938            | 57941            | 57941            | 58144            | 59746            | 59742            | 59746            | 59747            | 59751            | 63099            | 63083            | 63079            | 63076            | 63083            |
|                | S/T                |       | 0.78            | 0.89             | 0.98             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                | PI                 |       | 3.01            | 3.01             | 3.05             | 3.08             | 3.20             | 3.21             | 3.21             | 3.21             | 3.21             | 3.22             | 3.35             | 3.35             | 3.35             | 3.35             | 3.35             | 3.65             | 3.65             | 3.65             | 3.65             | 3.65             |
| 47°F<br>8.3°C  | TC                 |       | 55230           | 55266            | 56007            | 56258            | 57922            | 57790            | 57788            | 57790            | 57789            | 58057            | 59585            | 59580            | 59584            | 59583            | 59583            | 62921            | 62905            | 62900            | 62897            | 62903            |
|                | S/T                |       | 0.79            | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.67             |
|                | PI                 |       | 3.18            | 3.18             | 3.24             | 3.26             | 3.40             | 3.38             | 3.39             | 3.39             | 3.39             | 3.41             | 3.54             | 3.54             | 3.54             | 3.54             | 3.54             | 3.86             | 3.86             | 3.86             | 3.86             | 3.86             |
| 50°F<br>10°C   | TC                 |       | 53611           | 55087            | 56946            | 57276            | 59496            | 56638            | 56669            | 57061            | 57240            | 59553            | 58847            | 58924            | 58955            | 58958            | 59525            | 62903            | 63069            | 63232            | 63251            | 63330            |
|                | S/T                |       | 0.90            | 1.00             | 1.00             | 1.00             | 1.00             | 0.71             | 0.85             | 0.96             | 0.99             | 1.00             | 0.59             | 0.72             | 0.83             | 0.85             | 0.99             | 0.40             | 0.50             | 0.60             | 0.62             | 0.74             |
|                | PI                 |       | 3.56            | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.56             | 3.55             | 3.55             | 3.55             | 3.55             |
| 59°F<br>15°C   | TC                 |       | 51729           | 53544            | 55444            | 55782            | 58051            | 54732            | 54807            | 55428            | 55841            | 58109            | 56990            | 57047            | 57067            | 57150            | 58157            | 61196            | 61318            | 61440            | 61454            | 61505            |
|                | S/T                |       | 0.92            | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.86             | 1.00             | 1.00             | 1.00             | 0.60             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                | PI                 |       | 3.58            | 3.59             | 3.60             | 3.60             | 3.61             | 3.60             | 3.60             | 3.60             | 3.60             | 3.61             | 3.61             | 3.61             | 3.61             | 3.61             | 3.61             | 3.63             | 3.63             | 3.63             | 3.63             | 3.63             |
| 68°F<br>20°C   | TC                 |       | 49835           | 51962            | 53889            | 54232            | 56533            | 52758            | 52877            | 53948            | 54290            | 56589            | 55039            | 55080            | 55179            | 55228            | 56636            | 59305            | 59415            | 59508            | 59518            | 59549            |
|                | S/T                |       | 0.95            | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.89             | 1.00             | 1.00             | 1.00             | 0.61             | 0.75             | 0.87             | 0.89             | 1.00             | 0.40             | 0.51             | 0.63             | 0.65             | 0.78             |
|                | PI                 |       | 3.60            | 3.62             | 3.64             | 3.65             | 3.67             | 3.63             | 3.63             | 3.64             | 3.65             | 3.67             | 3.66             | 3.66             | 3.66             | 3.66             | 3.67             | 3.71             | 3.71             | 3.70             | 3.70             | 3.70             |
| 77°F<br>25°C   | TC                 |       | 47915           | 50222            | 52188            | 52535            | 54882            | 50796            | 50957            | 52244            | 52594            | 54938            | 53097            | 53156            | 53292            | 53351            | 54984            | 57346            | 57520            | 57653            | 57668            | 57721            |
|                | S/T                |       | 0.97            | 1.00             | 1.00             | 1.00             | 1.00             | 0.75             | 0.90             | 1.00             | 1.00             | 1.00             | 0.61             | 0.76             | 0.88             | 0.90             | 1.00             | 0.40             | 0.52             | 0.63             | 0.65             | 0.79             |
|                | PI                 |       | 3.66            | 3.68             | 3.69             | 3.70             | 3.72             | 3.68             | 3.68             | 3.69             | 3.70             | 3.72             | 3.71             | 3.70             | 3.70             | 3.70             | 3.72             | 3.75             | 3.75             | 3.74             | 3.74             | 3.74             |
| 82°F<br>27.8°C | TC                 |       | 46960           | 49358            | 51348            | 51696            | 54064            | 49763            | 49955            | 51393            | 51754            | 54120            | 52078            | 52144            | 52306            | 52370            | 54168            | 56307            | 56519            | 56666            | 56681            | 56743            |
|                | S/T                |       | 0.99            | 1.00             | 1.00             | 1.00             | 1.00             | 0.76             | 0.91             | 1.00             | 1.00             | 1.00             | 0.62             | 0.77             | 0.89             | 0.92             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.80             |
|                | PI                 |       | 3.88            | 3.90             | 3.92             | 3.92             | 3.94             | 3.90             | 3.90             | 3.91             | 3.92             | 3.94             | 3.92             | 3.92             | 3.92             | 3.92             | 3.94             | 3.97             | 3.96             | 3.96             | 3.96             | 3.96             |
| 86°F<br>30°C   | TC                 |       | 46488           | 48809            | 50805            | 51159            | 53542            | 49026            | 49251            | 50861            | 51218            | 53598            | 51349            | 51408            | 51596            | 51671            | 53644            | 55591            | 55806            | 55938            | 55952            | 56004            |
|                | S/T                |       | 1.00            | 1.00             | 1.00             | 1.00             | 1.00             | 0.77             | 0.93             | 1.00             | 1.00             | 1.00             | 0.62             | 0.78             | 0.91             | 0.93             | 1.00             | 0.40             | 0.52             | 0.64             | 0.66             | 0.81             |
|                | PI                 |       | 4.29            | 4.31             | 4.33             | 4.33             | 4.36             | 4.31             | 4.32             | 4.33             | 4.34             | 4.36             | 4.34             | 4.34             | 4.34             | 4.34             | 4.36             | 4.40             | 4.39             | 4.39             | 4.39             | 4.38             |
| 95°F<br>35°C   | TC                 |       | 45073           | 45316            | 46781            | 47058            | 48918            | 47903            | 47931            | 47946            | 48003            | 48980            | 49959            | 49969            | 50000            | 50005            | 50088            | 53833            | 53812            | 53823            | 53839            | 53911            |
|                | S/T                |       | 0.83            | 0.95             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.56             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                | PI                 |       | 5.01            | 5.02             | 5.10             | 5.11             | 5.22             | 5.16             | 5.16             | 5.16             | 5.17             | 5.22             | 5.28             | 5.28             | 5.28             | 5.28             | 5.29             | 5.50             | 5.50             | 5.50             | 5.50             | 5.50             |
| 104°F<br>40°C  | TC                 |       | 40056           | 40423            | 41944            | 42197            | 43880            | 42572            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 16 – 60K RH High Static Cooling — 37MBRA + 45MCFA

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 882            | -13°F<br>25°C      | TC    | 39381            | 39375            | 39370            | 39369            | 39362            | 41214            | 41203            | 41196            | 41195            | 41187            | 42513            | 42502            | 42493            | 42491            | 42481            | 44951            | 44939            | 44929            | 44927            | 44912            |
|                |                    | S/T   | 0.72             | 0.80             | 0.87             | 0.88             | 0.97             | 0.59             | 0.67             | 0.74             | 0.76             | 0.83             | 0.51             | 0.59             | 0.66             | 0.67             | 0.75             | 0.38             | 0.46             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 1.76             | 1.76             | 1.76             | 1.76             | 1.76             | 1.74             | 1.74             | 1.74             | 1.74             | 1.74             | 1.73             | 1.73             | 1.73             | 1.73             | 1.73             | 1.72             | 1.72             | 1.72             | 1.72             | 1.72             |
|                | -4°F<br>20°C       | TC    | 42410            | 42404            | 42398            | 42398            | 42390            | 44384            | 44372            | 44365            | 44364            | 44356            | 45783            | 45772            | 45761            | 45760            | 45749            | 48409            | 48396            | 48385            | 48383            | 48367            |
|                |                    | S/T   | 0.72             | 0.80             | 0.88             | 0.89             | 0.97             | 0.60             | 0.68             | 0.75             | 0.76             | 0.84             | 0.52             | 0.59             | 0.66             | 0.67             | 0.75             | 0.39             | 0.47             | 0.51             | 0.52             | 0.60             |
|                |                    | PI    | 1.82             | 1.82             | 1.82             | 1.82             | 1.82             | 1.80             | 1.80             | 1.80             | 1.80             | 1.80             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             | 1.78             | 1.78             | 1.78             | 1.78             | 1.78             |
|                | 0°F<br>17.8°C      | TC    | 43790            | 43781            | 43774            | 43773            | 43761            | 45808            | 45799            | 45789            | 45787            | 45775            | 47238            | 47225            | 47214            | 47212            | 47197            | 49902            | 49890            | 49880            | 49878            | 49859            |
|                |                    | S/T   | 0.72             | 0.81             | 0.88             | 0.90             | 0.98             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.60             |
|                |                    | PI    | 1.83             | 1.83             | 1.83             | 1.83             | 1.83             | 1.82             | 1.82             | 1.82             | 1.82             | 1.82             | 1.81             | 1.82             | 1.82             | 1.82             | 1.82             | 1.82             | 1.82             | 1.82             | 1.82             | 1.82             |
|                | 5°F<br>15°C        | TC    | 45163            | 45163            | 45164            | 45163            | 45838            | 47419            | 47410            | 47409            | 47409            | 47414            | 49040            | 49037            | 49030            | 49029            | 49033            | 52149            | 52135            | 52123            | 52121            | 52121            |
|                |                    | S/T   | 0.73             | 0.82             | 0.90             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.86             | 0.52             | 0.60             | 0.67             | 0.68             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.85             | 1.87             | 1.87             | 1.87             | 1.87             | 1.87             |
|                | 14°F<br>10°C       | TC    | 46468            | 46462            | 46456            | 46455            | 46682            | 48908            | 48895            | 48887            | 48887            | 48878            | 50651            | 50639            | 50626            | 50624            | 50613            | 53961            | 53945            | 53932            | 53930            | 53913            |
|                |                    | S/T   | 0.73             | 0.81             | 0.89             | 0.90             | 0.99             | 0.60             | 0.68             | 0.75             | 0.76             | 0.85             | 0.52             | 0.60             | 0.66             | 0.68             | 0.76             | 0.39             | 0.47             | 0.51             | 0.53             | 0.60             |
|                |                    | PI    | 2.51             | 2.51             | 2.51             | 2.51             | 2.51             | 2.49             | 2.49             | 2.49             | 2.49             | 2.49             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             | 2.48             |
|                | 17°F<br>10°C       | TC    | 46937            | 46928            | 46921            | 46920            | 47596            | 49399            | 49387            | 49377            | 49376            | 49376            | 51167            | 51165            | 51158            | 51156            | 51164            | 54622            | 54607            | 54594            | 54591            | 54594            |
|                |                    | S/T   | 0.73             | 0.82             | 0.89             | 0.91             | 1.00             | 0.60             | 0.69             | 0.76             | 0.77             | 0.85             | 0.52             | 0.60             | 0.67             | 0.68             | 0.76             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.71             | 2.71             | 2.71             | 2.71             | 2.70             | 2.70             | 2.70             | 2.70             | 2.70             | 2.70             | 2.69             | 2.69             | 2.69             | 2.69             | 2.69             | 2.70             | 2.70             | 2.70             | 2.70             | 2.70             |
|                | 23°F<br>5°C        | TC    | 47576            | 47577            | 47577            | 47608            | 48477            | 50136            | 50126            | 50126            | 50127            | 50132            | 51978            | 51975            | 51967            | 51966            | 51971            | 55521            | 55505            | 55492            | 55489            | 55490            |
|                |                    | S/T   | 0.74             | 0.83             | 0.90             | 0.91             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.86             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.66             | 2.67             | 2.67             | 2.67             | 2.67             | 2.68             | 2.71             | 2.71             | 2.71             | 2.71             | 2.71             |
|                | 35°F<br>1.7°C      | TC    | 49244            | 49240            | 49237            | 49237            | 49304            | 51795            | 51790            | 51784            | 51783            | 51779            | 53599            | 53588            | 53585            | 53584            | 53576            | 56974            | 56961            | 56951            | 56948            | 56946            |
|                |                    | S/T   | 0.70             | 0.78             | 0.85             | 0.86             | 0.93             | 0.59             | 0.66             | 0.72             | 0.74             | 0.81             | 0.51             | 0.58             | 0.64             | 0.65             | 0.73             | 0.39             | 0.46             | 0.50             | 0.51             | 0.58             |
|                |                    | PI    | 2.40             | 2.40             | 2.40             | 2.40             | 2.41             | 2.54             | 2.53             | 2.53             | 2.53             | 2.53             | 2.64             | 2.64             | 2.64             | 2.64             | 2.64             | 2.87             | 2.87             | 2.87             | 2.87             | 2.87             |
|                | 41°F<br>5°C        | TC    | 48451            | 48445            | 48442            | 48441            | 48555            | 50940            | 50935            | 50928            | 50927            | 50923            | 52700            | 52689            | 52685            | 52685            | 52676            | 55996            | 55985            | 55973            | 55972            | 55968            |
|                |                    | S/T   | 0.71             | 0.79             | 0.86             | 0.87             | 0.95             | 0.59             | 0.67             | 0.73             | 0.74             | 0.82             | 0.51             | 0.59             | 0.65             | 0.66             | 0.73             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.49             | 2.49             | 2.49             | 2.49             | 2.50             | 2.65             | 2.65             | 2.65             | 2.65             | 2.65             | 2.76             | 2.76             | 2.76             | 2.76             | 2.76             | 3.01             | 3.01             | 3.01             | 3.01             | 3.01             |
|                | 47°F<br>8.3°C      | TC    | 47647            | 47641            | 47638            | 47638            | 47803            | 50078            | 50073            | 50066            | 50066            | 50062            | 51800            | 51789            | 51785            | 51784            | 51776            | 55017            | 55004            | 54994            | 54992            | 54987            |
|                |                    | S/T   | 0.71             | 0.80             | 0.87             | 0.88             | 0.96             | 0.59             | 0.67             | 0.74             | 0.75             | 0.83             | 0.51             | 0.59             | 0.65             | 0.66             | 0.74             | 0.39             | 0.46             | 0.51             | 0.52             | 0.59             |
|                |                    | PI    | 2.59             | 2.59             | 2.59             | 2.59             | 2.60             | 2.76             | 2.76             | 2.76             | 2.76             | 2.76             | 2.89             | 2.89             | 2.89             | 2.89             | 2.89             | 3.15             | 3.15             | 3.15             | 3.15             | 3.15             |
|                | 50°F<br>10°C       | TC    | 46207            | 46214            | 46640            | 47018            | 48764            | 49002            | 49013            | 49027            | 49029            | 49209            | 51030            | 51035            | 51057            | 51062            | 51082            | 54960            | 54939            | 54947            | 54943            | 54992            |
|                |                    | S/T   | 0.79             | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 2.90             | 2.90             | 2.90             | 2.90             | 2.91             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             |
|                | 59°F<br>15°C       | TC    | 44017            | 44085            | 44952            | 45216            | 46983            | 46817            | 46826            | 46836            | 46837            | 47124            | 48865            | 48854            | 48873            | 48876            | 48890            | 52793            | 52772            | 52776            | 52774            | 52813            |
|                |                    | S/T   | 0.80             | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 2.93             | 2.93             | 2.94             | 2.94             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.96             | 2.96             | 2.96             | 2.96             | 2.96             | 2.98             | 2.97             | 2.98             | 2.97             | 2.97             |
|                | 68°F<br>20°C       | TC    | 41872            | 42008            | 43195            | 43460            | 45237            | 44653            | 44661            | 44666            | 44667            | 45204            | 46681            | 46672            | 46689            | 46691            | 46700            | 50584            | 50563            | 50564            | 50563            | 50602            |
|                |                    | S/T   | 0.82             | 0.94             | 1.00             | 1.00             | 1.00             | 0.66             | 0.77             | 0.86             | 0.88             | 1.00             | 0.55             | 0.66             | 0.75             | 0.77             | 0.87             | 0.39             | 0.47             | 0.56             | 0.57             | 0.67             |
|                |                    | PI    | 2.96             | 2.96             | 2.98             | 2.98             | 3.00             | 2.99             | 2.99             | 2.99             | 2.99             | 3.00             | 3.01             | 3.01             | 3.01             | 3.01             | 3.01             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             |
|                | 77°F<br>25°C       | TC    | 39678            | 39875            | 41243            | 41512            | 43299            | 42454            | 42469            | 42478            | 42519            | 43361            | 44484            | 44481            | 44505            | 44508            | 44561            | 48391            | 48368            | 48374            | 48375            | 48431            |
|                |                    | S/T   | 0.83             | 0.96             | 1.00             | 1.00             | 1.00             | 0.66             | 0.78             | 0.88             | 0.89             | 1.00             | 0.55             | 0.67             | 0.76             | 0.78             | 0.88             | 0.39             | 0.48             | 0.56             | 0.58             | 0.68             |
|                |                    | PI    | 3.02             | 3.02             | 3.04             | 3.04             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.05             | 3.06             | 3.06             | 3.06             | 3.06             | 3.06             | 3.10             | 3.10             | 3.10             | 3.10             | 3.09             |
|                | 82°F<br>27.8°C     | TC    | 38946            | 39197            | 40700            | 40970            | 42780            | 41741            | 41761            | 41796            | 41833            | 42842            | 43787            | 43790            | 43815            | 43818            | 43893            | 47727            | 47704            | 47713            | 47717            | 47781            |
|                |                    | S/T   | 0.84             | 0.97             | 1.00             | 1.00             | 1.00             | 0.67             | 0.79             | 0.88             | 0.90             | 1.00             | 0.56             | 0.67             | 0.77             | 0.78             | 0.89             | 0.39             | 0.48             | 0.57             | 0.58             | 0.68             |
|                |                    | PI    | 3.31             | 3.31             | 3.33             | 3.33             | 3.35             | 3.34             | 3.34             | 3.34             | 3.34             | 3.35             | 3.36             | 3.36             | 3.36             | 3.36             | 3.36             | 3.39             | 3.39             | 3.39             | 3.39             | 3.39             |
|                | 86°F<br>30°C       | TC    | 38967            | 39307            | 40945            | 41221            | 43075            | 41815            | 41834            | 41891            | 41933            | 43137            | 43894            | 43900            | 43923            | 43926            | 44026            | 47902            | 47879            | 47887            | 47898            | 47957            |
|                |                    | S/T   | 0.85             | 0.98             | 1.00             | 1.00             | 1.00             | 0.67             | 0.80             | 0.89             | 0.91             | 1.00             | 0.56             | 0.68             | 0.77             | 0.79             | 0.90             | 0.39             | 0.48             | 0.57             | 0.59             | 0.69             |
|                |                    | PI    | 3.86             | 3.87             | 3.89             | 3.89             | 3.91             | 3.90             | 3.90             | 3.90             | 3.90             | 3.91             | 3.92             | 3.92             | 3.92             | 3.92             | 3.92             | 3.97             | 3.97             | 3.97             | 3.97             | 3.96             |
|                | 95°F<br>35°C       | TC    | 39616            | 39614            | 39618            | 39662            | 40678            | 42268            | 42258            | 42255            | 42255            | 42264            | 44181            | 44177            | 44167            | 44167            | 44168            | 47878            | 47861            | 47848            | 47846            | 47845            |
|                |                    | S/T   | 0.74             | 0.83             | 0.91             | 0.92             | 1.00             | 0.61             | 0.69             | 0.77             | 0.78             | 0.87             | 0.52             | 0.60             | 0.67             | 0.69             | 0.77             | 0.39             | 0.47             | 0.52             | 0.53             | 0.61             |
|                |                    | PI    | 4.93             | 4.93             | 4.93             | 4.93             | 4.99             | 5.08             | 5.08             | 5.08             | 5.08             | 5.08</           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 16 – 60K RH High Static Cooling — 37MBRA + 45MCFA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |        |        |        |        | 64.4°F (16.0°C) |        |        |        |        | 67.0°F (19.4°C) |        |        |        |        | 71.6°F (22.0°C) |        |        |        |        |        |
|----------------|--------------------|-------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|--------|
|                |                    |       | ID DB           | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F |
|                |                    |       |                 | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C |
| 1118           | -13°F<br>25°C      | TC    | 42349           | 42340  | 42332  | 42331  | 43200  | 44256           | 44243  | 44231  | 44229  | 44215  | 45607           | 45593  | 45577  | 45574  | 45553  | 48143           | 48130  | 48111  | 48110  | 48078  |        |
|                |                    | S/T   | 0.75            | 0.84   | 0.92   | 0.93   | 1.00   | 0.61            | 0.70   | 0.78   | 0.79   | 0.88   | 0.52            | 0.61   | 0.69   | 0.70   | 0.79   | 0.38            | 0.46   | 0.53   | 0.54   | 0.62   |        |
|                |                    | PI    | 1.82            | 1.82   | 1.82   | 1.82   | 1.81   | 1.80            | 1.80   | 1.81   | 1.81   | 1.81   | 1.80            | 1.80   | 1.80   | 1.80   | 1.80   | 1.80            | 1.80   | 1.80   | 1.80   | 1.80   |        |
|                | -4°F<br>20°C       | TC    | 45607           | 45597  | 45588  | 45587  | 46523  | 47660           | 47647  | 47634  | 47632  | 47616  | 49116           | 49100  | 49083  | 49079  | 49057  | 51846           | 51832  | 51812  | 51810  | 51776  |        |
|                |                    | S/T   | 0.75            | 0.84   | 0.92   | 0.94   | 1.00   | 0.61            | 0.71   | 0.78   | 0.79   | 0.88   | 0.53            | 0.61   | 0.69   | 0.70   | 0.79   | 0.39            | 0.46   | 0.53   | 0.54   | 0.63   |        |
|                |                    | PI    | 1.89            | 1.89   | 1.89   | 1.89   | 1.88   | 1.87            | 1.87   | 1.87   | 1.87   | 1.87   | 1.86            | 1.86   | 1.86   | 1.86   | 1.86   | 1.86            | 1.86   | 1.86   | 1.86   | 1.86   |        |
|                | 0°F<br>17.8°C      | TC    | 47098           | 47085  | 47075  | 47073  | 48246  | 49198           | 49181  | 49162  | 49159  | 49138  | 50683           | 50663  | 50641  | 50636  | 50605  | 53443           | 53431  | 53425  | 53422  | 53429  |        |
|                |                    | S/T   | 0.75            | 0.85   | 0.93   | 0.95   | 1.00   | 0.62            | 0.71   | 0.79   | 0.80   | 0.90   | 0.53            | 0.62   | 0.70   | 0.71   | 0.80   | 0.39            | 0.46   | 0.53   | 0.55   | 0.63   |        |
|                |                    | PI    | 1.90            | 1.90   | 1.90   | 1.90   | 1.90   | 1.89            | 1.89   | 1.89   | 1.89   | 1.89   | 1.89            | 1.89   | 1.89   | 1.89   | 1.89   | 1.90            | 1.90   | 1.90   | 1.90   | 1.90   |        |
|                | 5°F<br>15°C        | TC    | 48530           | 48534  | 48686  | 48755  | 50181  | 50894           | 50891  | 50898  | 50900  | 50960  | 52587           | 52585  | 52589  | 52590  | 52601  | 55820           | 55805  | 55806  | 55803  | 55807  |        |
|                |                    | S/T   | 0.76            | 0.86   | 0.94   | 0.96   | 1.00   | 0.62            | 0.72   | 0.80   | 0.81   | 0.90   | 0.53            | 0.62   | 0.70   | 0.72   | 0.81   | 0.39            | 0.46   | 0.54   | 0.55   | 0.64   |        |
|                |                    | PI    | 1.92            | 1.92   | 1.92   | 1.92   | 1.92   | 1.92            | 1.92   | 1.92   | 1.92   | 1.92   | 1.93            | 1.93   | 1.93   | 1.93   | 1.93   | 1.96            | 1.96   | 1.96   | 1.96   | 1.96   |        |
|                | 14°F<br>10°C       | TC    | 49961           | 49950  | 49940  | 49938  | 51357  | 52513           | 52497  | 52483  | 52480  | 52463  | 54338           | 54319  | 54300  | 54297  | 54272  | 57805           | 57788  | 57766  | 57763  | 57726  |        |
|                |                    | S/T   | 0.75            | 0.85   | 0.93   | 0.95   | 1.00   | 0.62            | 0.71   | 0.79   | 0.80   | 0.89   | 0.53            | 0.62   | 0.69   | 0.71   | 0.79   | 0.39            | 0.46   | 0.53   | 0.54   | 0.63   |        |
|                |                    | PI    | 2.61            | 2.61   | 2.61   | 2.61   | 2.60   | 2.59            | 2.59   | 2.59   | 2.59   | 2.59   | 2.59            | 2.59   | 2.59   | 2.59   | 2.59   | 2.59            | 2.59   | 2.59   | 2.59   | 2.59   |        |
|                | 17°F<br>10°C       | TC    | 50431           | 50415  | 50547  | 50617  | 52134  | 53006           | 52988  | 53000  | 53002  | 53058  | 54863           | 54862  | 54871  | 54875  | 54891  | 58462           | 58445  | 58451  | 58447  | 58461  |        |
|                |                    | S/T   | 0.76            | 0.86   | 0.94   | 0.96   | 1.00   | 0.62            | 0.72   | 0.80   | 0.81   | 0.90   | 0.53            | 0.62   | 0.70   | 0.71   | 0.80   | 0.39            | 0.46   | 0.53   | 0.55   | 0.63   |        |
|                |                    | PI    | 2.81            | 2.81   | 2.81   | 2.81   | 2.81   | 2.81            | 2.81   | 2.81   | 2.81   | 2.81   | 2.81            | 2.81   | 2.81   | 2.81   | 2.81   | 2.82            | 2.82   | 2.82   | 2.82   | 2.82   |        |
|                | 23°F<br>5°C        | TC    | 51125           | 51130  | 51338  | 51429  | 53119  | 53808           | 53806  | 53816  | 53817  | 53903  | 55735           | 55733  | 55739  | 55741  | 55753  | 59427           | 59409  | 59412  | 59409  | 59418  |        |
|                |                    | S/T   | 0.77            | 0.87   | 0.95   | 0.97   | 1.00   | 0.62            | 0.72   | 0.80   | 0.82   | 0.91   | 0.53            | 0.63   | 0.71   | 0.72   | 0.81   | 0.39            | 0.46   | 0.54   | 0.55   | 0.64   |        |
|                |                    | PI    | 2.76            | 2.76   | 2.76   | 2.76   | 2.77   | 2.77            | 2.77   | 2.77   | 2.77   | 2.77   | 2.79            | 2.79   | 2.79   | 2.79   | 2.79   | 2.83            | 2.83   | 2.83   | 2.83   | 2.83   |        |
|                | 35°F<br>1.7°C      | TC    | 53004           | 53000  | 53001  | 53001  | 53683  | 55639           | 55629  | 55625  | 55624  | 55627  | 57489           | 57484  | 57475  | 57474  | 57472  | 60945           | 60930  | 60918  | 60916  | 60913  |        |
|                |                    | S/T   | 0.73            | 0.81   | 0.89   | 0.90   | 1.00   | 0.60            | 0.68   | 0.76   | 0.77   | 0.85   | 0.52            | 0.60   | 0.67   | 0.68   | 0.76   | 0.39            | 0.47   | 0.52   | 0.53   | 0.60   |        |
|                |                    | PI    | 2.50            | 2.50   | 2.50   | 2.50   | 2.53   | 2.64            | 2.64   | 2.64   | 2.64   | 2.64   | 2.75            | 2.75   | 2.75   | 2.75   | 2.75   | 2.99            | 2.99   | 2.99   | 2.99   | 2.99   |        |
|                | 41°F<br>5°C        | TC    | 52011           | 52135  | 52136  | 52152  | 53010  | 54714           | 54704  | 54699  | 54701  | 54702  | 56524           | 56519  | 56509  | 56508  | 56506  | 59899           | 59886  | 59873  | 59870  | 59867  |        |
|                |                    | S/T   | 0.74            | 0.82   | 0.90   | 0.91   | 1.00   | 0.60            | 0.69   | 0.76   | 0.78   | 0.86   | 0.52            | 0.60   | 0.67   | 0.69   | 0.77   | 0.39            | 0.45   | 0.52   | 0.53   | 0.61   |        |
|                |                    | PI    | 2.59            | 2.59   | 2.59   | 2.59   | 2.65   | 2.76            | 2.76   | 2.76   | 2.76   | 2.76   | 2.88            | 2.88   | 2.88   | 2.88   | 2.88   | 3.14            | 3.14   | 3.14   | 3.14   | 3.14   |        |
|                | 47°F<br>8.3°C      | TC    | 51270           | 51267  | 51266  | 51317  | 52327  | 53785           | 53776  | 53772  | 53772  | 53773  | 55558           | 55552  | 55544  | 55543  | 55542  | 58859           | 58845  | 58834  | 58832  | 58827  |        |
|                |                    | S/T   | 0.74            | 0.83   | 0.91   | 0.92   | 1.00   | 0.61            | 0.70   | 0.77   | 0.78   | 0.87   | 0.52            | 0.61   | 0.68   | 0.69   | 0.78   | 0.39            | 0.45   | 0.52   | 0.53   | 0.62   |        |
|                |                    | PI    | 2.70            | 2.70   | 2.70   | 2.70   | 2.77   | 2.88            | 2.88   | 2.88   | 2.88   | 2.88   | 3.01            | 3.01   | 3.01   | 3.01   | 3.01   | 3.28            | 3.28   | 3.28   | 3.28   | 3.28   |        |
|                | 50°F<br>10°C       | TC    | 49621           | 49831  | 51238  | 51529  | 53477  | 52566           | 52599  | 52613  | 52667  | 53544  | 54700           | 54731  | 54763  | 54767  | 54847  | 58774           | 58752  | 58820  | 58837  | 58916  |        |
|                |                    | S/T   | 0.83            | 0.95   | 1.00   | 1.00   | 1.00   | 0.66            | 0.78   | 0.87   | 0.88   | 1.00   | 0.55            | 0.66   | 0.76   | 0.77   | 0.88   | 0.39            | 0.48   | 0.56   | 0.58   | 0.68   |        |
|                |                    | PI    | 3.03            | 3.03   | 3.03   | 3.03   | 3.03   | 3.03            | 3.03   | 3.03   | 3.03   | 3.03   | 3.03            | 3.03   | 3.03   | 3.03   | 3.03   | 3.02            | 3.02   | 3.02   | 3.02   | 3.02   |        |
|                | 59°F<br>15°C       | TC    | 47272           | 47610  | 49293  | 49587  | 51558  | 50231           | 50254  | 50330  | 50376  | 51624  | 52369           | 52395  | 52420  | 52423  | 52551  | 56480           | 56456  | 56511  | 56524  | 56583  |        |
|                |                    | S/T   | 0.85            | 0.97   | 1.00   | 1.00   | 1.00   | 0.67            | 0.79   | 0.89   | 0.91   | 1.00   | 0.56            | 0.68   | 0.77   | 0.79   | 0.90   | 0.39            | 0.48   | 0.57   | 0.59   | 0.69   |        |
|                |                    | PI    | 3.06            | 3.06   | 3.07   | 3.07   | 3.08   | 3.07            | 3.07   | 3.07   | 3.07   | 3.08   | 3.08            | 3.08   | 3.08   | 3.08   | 3.08   | 3.10            | 3.10   | 3.10   | 3.10   | 3.10   |        |
|                | 68°F<br>20°C       | TC    | 44968           | 45723  | 47385  | 47680  | 49660  | 47911           | 47929  | 48062  | 48120  | 49724  | 50035           | 50062  | 50078  | 50080  | 50275  | 54128           | 54105  | 54157  | 54167  | 54212  |        |
|                |                    | S/T   | 0.87            | 1.00   | 1.00   | 1.00   | 1.00   | 0.69            | 0.81   | 0.91   | 0.93   | 1.00   | 0.57            | 0.69   | 0.79   | 0.81   | 0.93   | 0.39            | 0.49   | 0.58   | 0.60   | 0.71   |        |
|                |                    | PI    | 3.09            | 3.10   | 3.11   | 3.11   | 3.13   | 3.12            | 3.12   | 3.12   | 3.12   | 3.13   | 3.14            | 3.14   | 3.14   | 3.14   | 3.14   | 3.18            | 3.18   | 3.18   | 3.18   | 3.18   |        |
|                | 77°F<br>25°C       | TC    | 42610           | 43605  | 45275  | 45572  | 47565  | 45557           | 45578  | 45754  | 45828  | 47626  | 47670           | 47712  | 47735  | 47738  | 47985  | 51760           | 51735  | 51817  | 51830  | 51890  |        |
|                |                    | S/T   | 0.88            | 1.00   | 1.00   | 1.00   | 1.00   | 0.69            | 0.82   | 0.93   | 0.95   | 1.00   | 0.57            | 0.70   | 0.80   | 0.82   | 0.94   | 0.39            | 0.49   | 0.59   | 0.60   | 0.72   |        |
|                |                    | PI    | 3.15            | 3.16   | 3.17   | 3.18   | 3.19   | 3.18            | 3.18   | 3.18   | 3.18   | 3.19   | 3.19            | 3.19   | 3.19   | 3.19   | 3.19   | 3.23            | 3.23   | 3.23   | 3.23   | 3.22   |        |
|                | 82°F<br>27.8°C     | TC    | 41857           | 42994  | 44687  | 44987  | 47005  | 44791           | 44816  | 45031  | 45120  | 47068  | 46920           | 46970  | 46995  | 46998  | 47294  | 51041           | 51050  | 51114  | 51129  | 51195  |        |
|                |                    | S/T   | 0.88            | 1.00   | 1.00   | 1.00   | 1.00   | 0.70            | 0.83   | 0.94   | 0.96   | 1.00   | 0.58            | 0.70   | 0.81   | 0.83   | 0.96   | 0.39            | 0.49   | 0.59   | 0.61   | 0.72   |        |
|                |                    | PI    | 3.45            | 3.46   | 3.48   | 3.48   | 3.50   | 3.48            | 3.48   | 3.48   | 3.48   | 3.50   | 3.50            | 3.50   | 3.50   | 3.50   | 3.50   | 3.53            | 3.53   | 3.53   | 3.53   | 3.53   |        |
|                | 86°F<br>30°C       | TC    | 41908           | 43231  | 44965  | 45271  | 47335  | 44875           | 44897  | 45165  | 45285  | 47398  | 47039           | 47089  | 47111  | 47115  | 47479  | 51232           | 51235  | 51310  | 51324  | 51384  |        |
|                |                    | S/T   | 0.90            | 1.00   | 1.00   | 1.00   | 1.00   | 0.71            | 0.84   | 0.96   | 0.98   | 1.00   | 0.58            | 0.71   | 0.82   | 0.84   | 0.97   | 0.39            | 0.50   | 0.60   | 0.61   | 0.73   |        |
|                |                    | PI    | 4.03            | 4.04   | 4.06   | 4.07   | 4.09   | 4.06            | 4.06   | 4.07   | 4.07   | 4.09   | 4.09            | 4.09   | 4.09   | 4.09   | 4.09   | 4.14            | 4.14   | 4.13   | 4.13   | 4.13   |        |
|                | 95°F<br>35°C       | TC    | 42589           | 42598  | 42832  | 42942  | 44712  | 45373           | 45368  | 45380  | 45382  | 45463  | 47376           | 47375  | 47373  | 47376  | 47397  | 51237           | 51219  | 51204  | 51228  | 51214  |        |
|                |                    | S/T   | 0.77            | 0.87   | 0.96   | 0.98   | 1.00   | 0.63            | 0.72   | 0.80   | 0.82   | 0.91   | 0.53            | 0.62   | 0.70   | 0.72   | 0.81   | 0.39            | 0.46   | 0.53   | 0.55   | 0.63   |        |
|                |                    | PI    | 5.14            | 5.14   | 5.15   | 5.16   | 5.26   | 5.30            | 5.30   | 5.30   | 5.30   | 5.30   | 5.41            | 5.41   | 5.41   | 5.41   | 5.41   | 5.64            | 5.64   | 5.64   | 5.64   | 5.64   |        |
|                | 104°F<br>40°C</    |       |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |        |

Table 16 – 60K RH High Static Cooling — 37MBRA + 45MCFA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
| 1236           | -13°F<br>25°C      | TC    | 45520           | 45504            | 45492            | 45756            | 47103            | 47524            | 47498            | 47477            | 47473            | 47441            | 48943            | 48917            | 48885            | 48880            | 48846            | 51629            | 51615            | 51577            | 51564            | 51487            |
|                |                    | S/T   | 0.77            | 0.88             | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.81             | 0.83             | 0.93             | 0.54             | 0.63             | 0.71             | 0.73             | 0.83             | 0.39             | 0.46             | 0.54             | 0.56             | 0.65             |
|                |                    | PI    | 1.91            | 1.91             | 1.91             | 1.91             | 1.90             | 1.90             | 1.90             | 1.90             | 1.90             | 1.90             | 1.89             | 1.89             | 1.89             | 1.89             | 1.89             | 1.90             | 1.90             | 1.90             | 1.90             | 1.90             |
|                | -4°F<br>20°C       | TC    | 49022           | 49005            | 48991            | 49276            | 50726            | 51180            | 51152            | 51129            | 51125            | 51090            | 52708            | 52680            | 52645            | 52640            | 52603            | 55600            | 55585            | 55544            | 55531            | 55448            |
|                |                    | S/T   | 0.78            | 0.88             | 0.97             | 1.00             | 1.00             | 0.63             | 0.73             | 0.82             | 0.83             | 0.93             | 0.54             | 0.64             | 0.72             | 0.73             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |
|                |                    | PI    | 1.98            | 1.98             | 1.98             | 1.98             | 1.97             | 1.96             | 1.96             | 1.97             | 1.97             | 1.97             | 1.96             | 1.96             | 1.96             | 1.96             | 1.96             | 1.97             | 1.97             | 1.97             | 1.97             | 1.97             |
|                | 0°F<br>17.8°C      | TC    | 50640           | 50618            | 50813            | 51201            | 52619            | 52848            | 52808            | 52777            | 52772            | 52763            | 54397            | 54366            | 54317            | 54309            | 54261            | 57329            | 57312            | 57315            | 57321            | 57364            |
|                |                    | S/T   | 0.78            | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.84             | 0.95             | 0.54             | 0.64             | 0.73             | 0.74             | 0.84             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 1.99            | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 1.99             | 2.01             | 2.01             | 2.01             | 2.01             | 2.01             |
|                | 5°F<br>15°C        | TC    | 52129           | 52176            | 52880            | 53122            | 54746            | 54608            | 54619            | 54625            | 54626            | 54895            | 56395            | 56390            | 56406            | 56407            | 56414            | 59765            | 59747            | 59748            | 59752            | 59785            |
|                |                    | S/T   | 0.79            | 0.90             | 1.00             | 1.00             | 1.00             | 0.64             | 0.75             | 0.84             | 0.85             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 2.01            | 2.01             | 2.01             | 2.01             | 2.02             | 2.02             | 2.02             | 2.02             | 2.02             | 2.02             | 2.03             | 2.03             | 2.03             | 2.03             | 2.03             | 2.07             | 2.07             | 2.07             | 2.07             | 2.07             |
|                | 14°F<br>10°C       | TC    | 53672           | 53652            | 53874            | 54346            | 56032            | 56366            | 56334            | 56307            | 56302            | 56273            | 58314            | 58287            | 58242            | 58234            | 58185            | 61981            | 61962            | 61917            | 61903            | 61808            |
|                |                    | S/T   | 0.78            | 0.89             | 0.99             | 1.00             | 1.00             | 0.64             | 0.74             | 0.82             | 0.84             | 0.94             | 0.54             | 0.64             | 0.72             | 0.74             | 0.83             | 0.39             | 0.47             | 0.55             | 0.56             | 0.65             |
|                |                    | PI    | 2.74            | 2.74             | 2.74             | 2.74             | 2.73             | 2.73             | 2.73             | 2.73             | 2.73             | 2.73             | 2.72             | 2.72             | 2.72             | 2.72             | 2.72             | 2.73             | 2.73             | 2.73             | 2.73             | 2.73             |
|                | 17°F<br>10°C       | TC    | 54252           | 54266            | 54931            | 55248            | 57026            | 56976            | 56981            | 56993            | 56995            | 57264            | 58793            | 58816            | 58854            | 58857            | 58871            | 62703            | 62684            | 62691            | 62703            | 62760            |
|                |                    | S/T   | 0.79            | 0.89             | 1.00             | 1.00             | 1.00             | 0.64             | 0.74             | 0.83             | 0.85             | 0.95             | 0.55             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.57             | 0.66             |
|                |                    | PI    | 2.96            | 2.96             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.95             | 2.97             | 2.97             | 2.97             | 2.97             | 2.97             |
|                | 23°F<br>5°C        | TC    | 54914           | 54990            | 55885            | 56159            | 57995            | 57732            | 57747            | 57755            | 57756            | 58098            | 59768            | 59766            | 59785            | 59787            | 59797            | 63621            | 63602            | 63604            | 63613            | 63656            |
|                |                    | S/T   | 0.80            | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.97             | 0.54             | 0.65             | 0.74             | 0.75             | 0.85             | 0.39             | 0.47             | 0.56             | 0.57             | 0.66             |
|                |                    | PI    | 2.90            | 2.90             | 2.90             | 2.90             | 2.92             | 2.91             | 2.91             | 2.91             | 2.91             | 2.92             | 2.93             | 2.93             | 2.93             | 2.93             | 2.93             | 2.98             | 2.98             | 2.98             | 2.98             | 2.99             |
|                | 35°F<br>1.7°C      | TC    | 57003           | 57004            | 57114            | 57179            | 58648            | 59738            | 59730            | 59732            | 59734            | 59735            | 61657            | 61653            | 61647            | 61646            | 61654            | 65228            | 65213            | 65199            | 65208            | 65197            |
|                |                    | S/T   | 0.75            | 0.85             | 0.93             | 0.94             | 1.00             | 0.62             | 0.71             | 0.79             | 0.80             | 0.89             | 0.53             | 0.62             | 0.69             | 0.71             | 0.80             | 0.39             | 0.46             | 0.53             | 0.54             | 0.63             |
|                |                    | PI    | 2.62            | 2.62             | 2.63             | 2.63             | 2.71             | 2.78             | 2.78             | 2.78             | 2.78             | 2.78             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 3.15             | 3.15             | 3.15             | 3.15             | 3.15             |
|                | 41°F<br>5°C        | TC    | 56067           | 56068            | 56223            | 56299            | 57897            | 58743            | 58736            | 58738            | 58739            | 58790            | 60623            | 60616            | 60611            | 60612            | 60619            | 64113            | 64098            | 64084            | 64091            | 64082            |
|                |                    | S/T   | 0.76            | 0.86             | 0.94             | 0.96             | 1.00             | 0.62             | 0.72             | 0.80             | 0.81             | 0.90             | 0.53             | 0.62             | 0.70             | 0.71             | 0.81             | 0.39             | 0.46             | 0.53             | 0.55             | 0.64             |
|                |                    | PI    | 2.73            | 2.73             | 2.74             | 2.75             | 2.84             | 2.90             | 2.90             | 2.90             | 2.90             | 2.90             | 3.03             | 3.03             | 3.03             | 3.03             | 3.03             | 3.30             | 3.30             | 3.30             | 3.30             | 3.30             |
|                | 47°F<br>8.3°C      | TC    | 55125           | 55125            | 55337            | 55433            | 57139            | 57748            | 57740            | 57741            | 57741            | 57829            | 59587            | 59580            | 59576            | 59576            | 59580            | 63006            | 62990            | 62986            | 62984            | 62974            |
|                |                    | S/T   | 0.77            | 0.87             | 0.95             | 0.97             | 1.00             | 0.63             | 0.72             | 0.81             | 0.82             | 0.91             | 0.53             | 0.63             | 0.71             | 0.72             | 0.82             | 0.39             | 0.46             | 0.54             | 0.55             | 0.64             |
|                |                    | PI    | 2.84            | 2.84             | 2.85             | 2.86             | 2.98             | 3.02             | 3.02             | 3.02             | 3.02             | 3.03             | 3.17             | 3.17             | 3.17             | 3.17             | 3.17             | 3.45             | 3.45             | 3.45             | 3.45             | 3.45             |
|                | 50°F<br>10°C       | TC    | 53277           | 54148            | 55956            | 56277            | 58433            | 56407            | 56441            | 56624            | 56697            | 58501            | 58629            | 58704            | 58738            | 58742            | 59007            | 62852            | 62883            | 63035            | 63053            | 63136            |
|                |                    | S/T   | 0.87            | 1.00             | 1.00             | 1.00             | 1.00             | 0.69             | 0.81             | 0.92             | 0.94             | 1.00             | 0.57             | 0.69             | 0.80             | 0.81             | 0.93             | 0.39             | 0.49             | 0.58             | 0.60             | 0.71             |
|                |                    | PI    | 3.19            | 3.19             | 3.19             | 3.19             | 3.18             | 3.19             | 3.19             | 3.19             | 3.19             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             | 3.18             |
|                | 59°F<br>15°C       | TC    | 50804           | 52027            | 53858            | 54182            | 56362            | 53904            | 53928            | 54195            | 54300            | 56427            | 56142            | 56202            | 56225            | 56228            | 56599            | 60430            | 60446            | 60564            | 60578            | 60637            |
|                |                    | S/T   | 0.88            | 1.00             | 1.00             | 1.00             | 1.00             | 0.70             | 0.83             | 0.94             | 0.97             | 1.00             | 0.58             | 0.71             | 0.81             | 0.83             | 0.96             | 0.39             | 0.50             | 0.59             | 0.61             | 0.73             |
|                |                    | PI    | 3.22            | 3.22             | 3.23             | 3.23             | 3.24             | 3.23             | 3.23             | 3.23             | 3.23             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.24             | 3.26             | 3.26             | 3.26             | 3.26             | 3.26             |
|                | 68°F<br>20°C       | TC    | 48391           | 49952            | 51790            | 52117            | 54308            | 51416            | 51432            | 51834            | 52173            | 54369            | 53653            | 53698            | 53713            | 53714            | 54326            | 57934            | 57953            | 58046            | 58057            | 58098            |
|                |                    | S/T   | 0.91            | 1.00             | 1.00             | 1.00             | 1.00             | 0.72             | 0.85             | 0.97             | 1.00             | 1.00             | 0.59             | 0.72             | 0.84             | 0.86             | 0.99             | 0.40             | 0.50             | 0.61             | 0.62             | 0.75             |
|                |                    | PI    | 3.25            | 3.27             | 3.28             | 3.29             | 3.31             | 3.28             | 3.28             | 3.28             | 3.29             | 3.31             | 3.30             | 3.30             | 3.30             | 3.30             | 3.31             | 3.35             | 3.35             | 3.34             | 3.34             | 3.34             |
|                | 77°F<br>25°C       | TC    | 45901           | 47660            | 49508            | 49837            | 52039            | 48886            | 48909            | 49471            | 49895            | 52100            | 51118            | 51176            | 51200            | 51259            | 52147            | 55363            | 55413            | 55537            | 55551            | 55611            |
|                |                    | S/T   | 0.92            | 1.00             | 1.00             | 1.00             | 1.00             | 0.72             | 0.87             | 0.99             | 1.00             | 1.00             | 0.59             | 0.73             | 0.85             | 0.86             | 1.00             | 0.40             | 0.51             | 0.61             | 0.63             | 0.76             |
|                |                    | PI    | 3.32            | 3.33             | 3.35             | 3.35             | 3.37             | 3.34             | 3.34             | 3.35             | 3.35             | 3.37             | 3.36             | 3.36             | 3.36             | 3.36             | 3.37             | 3.40             | 3.40             | 3.40             | 3.39             | 3.39             |
|                | 82°F<br>27.8°C     | TC    | 45089           | 47001            | 48874            | 49207            | 51445            | 48065            | 48143            | 48933            | 49267            | 51503            | 50314            | 50381            | 50406            | 50485            | 51550            | 54575            | 54644            | 54781            | 54796            | 54861            |
|                |                    | S/T   | 0.94            | 1.00             | 1.00             | 1.00             | 1.00             | 0.73             | 0.87             | 1.00             | 1.00             | 1.00             | 0.60             | 0.74             | 0.86             | 0.87             | 1.00             | 0.40             | 0.51             | 0.62             | 0.63             | 0.76             |
|                |                    | PI    | 3.64            | 3.65             | 3.67             | 3.67             | 3.69             | 3.66             | 3.66             | 3.67             | 3.67             | 3.69             | 3.68             | 3.68             | 3.68             | 3.68             | 3.69             | 3.72             | 3.72             | 3.72             | 3.72             | 3.71             |
|                | 86°F<br>30°C       | TC    | 45118           | 47208            | 49123            | 49462            | 51767            | 48098            | 48198            | 49182            | 49521            | 51808            | 50392            | 50452            | 50531            | 50577            | 51856            | 54724            | 54803            | 54931            | 54945            | 55002            |
|                |                    | S/T   | 0.95            | 1.00             | 1.00             | 1.00             | 1.00             | 0.74             | 0.88             | 1.00             | 1.00             | 1.00             | 0.60             | 0.75             | 0.86             | 0.88             | 1.00             | 0.40             | 0.51             | 0.62             | 0.64             | 0.77             |
|                |                    | PI    | 4.24            | 4.26             | 4.29             | 4.29             | 4.32             | 4.28             | 4.28             | 4.29             | 4.29             | 4.31             | 4.30             | 4.30             | 4.30             | 4.30             | 4.31             | 4.36             | 4.35             | 4.35             | 4.35             | 4.35             |
|                | 95°F<br>35°C       | TC    | 45753           | 45834            | 46818            | 47094            | 48940            | 48679            | 48691            | 48707            | 48710            | 49040            | 50781            | 50786            | 50812            | 50816            | 50839            | 54819            | 54800            | 54805            | 54803            | 54844            |
|                |                    | S/T   | 0.80            | 0.91             | 1.00             | 1.00             | 1.00             | 0.65             | 0.75             | 0.84             | 0.86             | 0.96             | 0.54             | 0.65             | 0.73             | 0.75             | 0.85             | 0.39             | 0.47             | 0.55             | 0.56             | 0.66             |
|                |                    | PI    | 5.40            | 5.41             | 5.46             | 5.48             | 5.59             | 5.57             | 5.57             | 5.57             | 5.57             | 5.59             | 5.70             | 5.70             | 5.70             | 5.70             | 5.70             | 5.94             | 5.93             | 5.93             | 5.93             | 5.93             |
|                | 104°F<br>40°C      | TC    | 38768           | 38907            | 40028            | 40264            | 41860            | 4                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 16 – 60K RH High Static Cooling — 37MBRA + 45MCFA (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |        |        |        |        | 64.4°F (16.0°C) |        |        |        |        | 67.0°F (19.4°C) |        |        |        |        | 71.6°F (22.0°C) |        |        |        |        |        |
|----------------|--------------------|-------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|-----------------|--------|--------|--------|--------|--------|
|                |                    |       | ID DB           | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F          | 73.4°F | 77.0°F | 80.0°F | 80.6°F | 84.2°F |
|                |                    |       |                 | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C          | 23.0°C | 25.0°C | 26.7°C | 27.0°C | 29.0°C |
| 1365           | -13°F<br>25°C      | TC    | 48903           | 48881  | 49578  | 49784  | 51154  | 51024           | 50982  | 50949  | 50945  | 50902  | 52549           | 52483  | 52433  | 52426  | 52376  | 55429           | 55414  | 55300  | 55280  | 55163  |        |
|                |                    | S/T   | 0.80            | 0.91   | 1.00   | 1.00   | 1.00   | 0.65            | 0.75   | 0.85   | 0.86   | 0.97   | 0.55            | 0.65   | 0.74   | 0.76   | 0.86   | 0.39            | 0.47   | 0.56   | 0.57   | 0.67   |        |
|                |                    | PI    | 2.02            | 2.02   | 2.02   | 2.02   | 2.01   | 2.01            | 2.01   | 2.01   | 2.01   | 2.01   | 2.01            | 2.01   | 2.01   | 2.01   | 2.01   | 2.02            | 2.02   | 2.02   | 2.02   | 2.02   |        |
|                | -4°F<br>20°C       | TC    | 52665           | 52641  | 53392  | 53613  | 55089  | 54948           | 54903  | 54868  | 54863  | 54818  | 56591           | 56520  | 56467  | 56459  | 56405  | 59693           | 59677  | 59554  | 59532  | 59406  |        |
|                |                    | S/T   | 0.80            | 0.92   | 1.00   | 1.00   | 1.00   | 0.65            | 0.76   | 0.85   | 0.87   | 0.98   | 0.55            | 0.65   | 0.74   | 0.76   | 0.86   | 0.39            | 0.48   | 0.56   | 0.57   | 0.67   |        |
|                |                    | PI    | 2.10            | 2.10   | 2.09   | 2.09   | 2.09   | 2.08            | 2.08   | 2.09   | 2.09   | 2.09   | 2.08            | 2.08   | 2.08   | 2.08   | 2.08   | 2.09            | 2.09   | 2.09   | 2.09   | 2.10   |        |
|                | 0°F<br>17.8°C      | TC    | 54413           | 54381  | 55390  | 55621  | 57149  | 56747           | 56684  | 56640  | 56633  | 57203  | 58415           | 58332  | 58259  | 58251  | 58223  | 61556           | 61542  | 61537  | 61545  | 61585  |        |
|                |                    | S/T   | 0.81            | 0.93   | 1.00   | 1.00   | 1.00   | 0.66            | 0.77   | 0.86   | 0.88   | 1.00   | 0.55            | 0.66   | 0.75   | 0.77   | 0.87   | 0.39            | 0.48   | 0.57   | 0.58   | 0.68   |        |
|                |                    | PI    | 2.11            | 2.11   | 2.11   | 2.11   | 2.11   | 2.11            | 2.11   | 2.11   | 2.11   | 2.11   | 2.11            | 2.11   | 2.11   | 2.11   | 2.12   | 2.14            | 2.14   | 2.14   | 2.14   | 2.14   |        |
|                | 5°F<br>15°C        | TC    | 55973           | 56166  | 57450  | 57715  | 59493  | 58598           | 58613  | 58617  | 58677  | 59552  | 60472           | 60487  | 60500  | 60502  | 60582  | 64019           | 64000  | 64033  | 64040  | 64068  |        |
|                |                    | S/T   | 0.82            | 0.94   | 1.00   | 1.00   | 1.00   | 0.66            | 0.78   | 0.87   | 0.88   | 1.00   | 0.56            | 0.67   | 0.76   | 0.78   | 0.88   | 0.39            | 0.48   | 0.57   | 0.59   | 0.69   |        |
|                |                    | PI    | 2.13            | 2.13   | 2.13   | 2.13   | 2.15   | 2.14            | 2.14   | 2.14   | 2.14   | 2.15   | 2.15            | 2.15   | 2.15   | 2.15   | 2.16   | 2.20            | 2.20   | 2.20   | 2.20   | 2.20   |        |
|                | 14°F<br>10°C       | TC    | 57674           | 57645  | 58821  | 59097  | 60930  | 60537           | 60484  | 60443  | 60436  | 61002  | 62611           | 62533  | 62469  | 62459  | 62396  | 66576           | 66555  | 66427  | 66404  | 66263  |        |
|                |                    | S/T   | 0.81            | 0.93   | 1.00   | 1.00   | 1.00   | 0.65            | 0.76   | 0.86   | 0.87   | 1.00   | 0.55            | 0.66   | 0.75   | 0.76   | 0.87   | 0.39            | 0.48   | 0.56   | 0.57   | 0.67   |        |
|                |                    | PI    | 2.90            | 2.90   | 2.90   | 2.90   | 2.89   | 2.89            | 2.89   | 2.89   | 2.89   | 2.89   | 2.89            | 2.89   | 2.89   | 2.89   | 2.89   | 2.90            | 2.90   | 2.90   | 2.90   | 2.90   |        |
|                | 17°F<br>10°C       | TC    | 58103           | 58292  | 59639  | 59930  | 61877  | 60995           | 61020  | 61031  | 61082  | 61943  | 63077           | 63100  | 63125  | 63128  | 63206  | 67083           | 67065  | 67055  | 67067  | 67123  |        |
|                |                    | S/T   | 0.82            | 0.93   | 1.00   | 1.00   | 1.00   | 0.66            | 0.77   | 0.87   | 0.88   | 1.00   | 0.55            | 0.66   | 0.76   | 0.77   | 0.87   | 0.39            | 0.48   | 0.57   | 0.58   | 0.68   |        |
|                |                    | PI    | 3.13            | 3.13   | 3.13   | 3.13   | 3.13   | 3.13            | 3.13   | 3.13   | 3.13   | 3.13   | 3.13            | 3.14   | 3.14   | 3.14   | 3.14   | 3.16            | 3.16   | 3.16   | 3.16   | 3.16   |        |
|                | 23°F<br>5°C        | TC    | 58963           | 59217  | 60748  | 61048  | 63060  | 61949           | 61967  | 61974  | 62055  | 63128  | 64085           | 64107  | 64124  | 64126  | 64229  | 68142           | 68121  | 68169  | 68179  | 68218  |        |
|                |                    | S/T   | 0.83            | 0.95   | 1.00   | 1.00   | 1.00   | 0.66            | 0.78   | 0.88   | 0.89   | 1.00   | 0.56            | 0.67   | 0.76   | 0.78   | 0.89   | 0.39            | 0.48   | 0.57   | 0.59   | 0.69   |        |
|                |                    | PI    | 3.07            | 3.07   | 3.08   | 3.09   | 3.10   | 3.09            | 3.09   | 3.09   | 3.10   | 3.11   | 3.11            | 3.12   | 3.12   | 3.12   | 3.12   | 3.17            | 3.17   | 3.18   | 3.18   | 3.18   |        |
|                | 35°F<br>1.7°C      | TC    | 61252           | 61254  | 61614  | 61786  | 63779  | 64115           | 64113  | 64118  | 64118  | 64289  | 66122           | 66118  | 66121  | 66123  | 66129  | 69845           | 69829  | 69825  | 69823  | 69828  |        |
|                |                    | S/T   | 0.78            | 0.88   | 0.97   | 0.99   | 1.00   | 0.63            | 0.73   | 0.82   | 0.83   | 0.93   | 0.54            | 0.63   | 0.72   | 0.73   | 0.83   | 0.39            | 0.46   | 0.54   | 0.56   | 0.65   |        |
|                |                    | PI    | 2.78            | 2.78   | 2.80   | 2.81   | 2.93   | 2.95            | 2.95   | 2.95   | 2.95   | 2.96   | 3.08            | 3.08   | 3.08   | 3.08   | 3.08   | 3.34            | 3.34   | 3.34   | 3.34   | 3.34   |        |
|                | 41°F<br>5°C        | TC    | 60243           | 60243  | 60723  | 61145  | 62952  | 63045           | 63043  | 63046  | 63046  | 63268  | 65011           | 65007  | 65011  | 65012  | 65016  | 68659           | 68642  | 68638  | 68634  | 68642  |        |
|                |                    | S/T   | 0.78            | 0.89   | 0.98   | 1.00   | 1.00   | 0.64            | 0.74   | 0.83   | 0.84   | 0.94   | 0.54            | 0.64   | 0.72   | 0.74   | 0.84   | 0.39            | 0.47   | 0.55   | 0.56   | 0.66   |        |
|                |                    | PI    | 2.89            | 2.89   | 2.93   | 2.95   | 3.07   | 3.08            | 3.08   | 3.08   | 3.08   | 3.09   | 3.22            | 3.22   | 3.22   | 3.22   | 3.22   | 3.51            | 3.51   | 3.51   | 3.51   | 3.51   |        |
|                | 47°F<br>8.3°C      | TC    | 59230           | 59270  | 60064  | 60333  | 62118  | 61977           | 61974  | 61976  | 61975  | 62262  | 63901           | 63895  | 63900  | 63899  | 63899  | 67479           | 67462  | 67456  | 67453  | 67460  |        |
|                |                    | S/T   | 0.79            | 0.90   | 1.00   | 1.00   | 1.00   | 0.64            | 0.75   | 0.84   | 0.85   | 0.96   | 0.54            | 0.65   | 0.73   | 0.75   | 0.85   | 0.39            | 0.47   | 0.55   | 0.57   | 0.67   |        |
|                |                    | PI    | 3.01            | 3.02   | 3.07   | 3.09   | 3.22   | 3.21            | 3.21   | 3.21   | 3.21   | 3.23   | 3.36            | 3.36   | 3.36   | 3.36   | 3.36   | 3.67            | 3.66   | 3.66   | 3.66   | 3.66   |        |
|                | 50°F<br>10°C       | TC    | 57291           | 58868  | 60855  | 61208  | 63581  | 60526           | 60559  | 60978  | 61169  | 63641  | 62887           | 62969  | 63002  | 63005  | 63611  | 67221           | 67399  | 67572  | 67592  | 67677  |        |
|                |                    | S/T   | 0.90            | 1.00   | 1.00   | 1.00   | 1.00   | 0.71            | 0.85   | 0.96   | 0.99   | 1.00   | 0.59            | 0.72   | 0.83   | 0.85   | 0.99   | 0.40            | 0.50   | 0.60   | 0.62   | 0.74   |        |
|                |                    | PI    | 3.39            | 3.39   | 3.39   | 3.38   | 3.38   | 3.39            | 3.39   | 3.38   | 3.38   | 3.38   | 3.38            | 3.38   | 3.38   | 3.38   | 3.38   | 3.38            | 3.38   | 3.38   | 3.38   | 3.38   |        |
|                | 59°F<br>15°C       | TC    | 54666           | 56583  | 58592  | 58948  | 61347  | 57839           | 57918  | 58575  | 59011  | 61408  | 60225           | 60286  | 60306  | 60394  | 61458  | 64669           | 64799  | 64928  | 64943  | 64997  |        |
|                |                    | S/T   | 0.92            | 1.00   | 1.00   | 1.00   | 1.00   | 0.73            | 0.86   | 1.00   | 1.00   | 1.00   | 0.60            | 0.73   | 0.85   | 0.86   | 1.00   | 0.40            | 0.51   | 0.61   | 0.63   | 0.76   |        |
|                |                    | PI    | 3.42            | 3.43   | 3.44   | 3.44   | 3.45   | 3.43            | 3.43   | 3.44   | 3.44   | 3.45   | 3.45            | 3.45   | 3.44   | 3.45   | 3.45   | 3.47            | 3.47   | 3.47   | 3.47   | 3.46   |        |
|                | 68°F<br>20°C       | TC    | 52031           | 54252  | 56264  | 56622  | 59025  | 55084           | 55208  | 56325  | 56683  | 59083  | 57465           | 57508  | 57611  | 57662  | 59132  | 61919           | 62033  | 62131  | 62141  | 62173  |        |
|                |                    | S/T   | 0.95            | 1.00   | 1.00   | 1.00   | 1.00   | 0.74            | 0.89   | 1.00   | 1.00   | 1.00   | 0.61            | 0.75   | 0.87   | 0.89   | 1.00   | 0.40            | 0.51   | 0.63   | 0.65   | 0.78   |        |
|                |                    | PI    | 3.45            | 3.48   | 3.49   | 3.50   | 3.52   | 3.48            | 3.48   | 3.49   | 3.50   | 3.52   | 3.51            | 3.51   | 3.51   | 3.51   | 3.52   | 3.56            | 3.55   | 3.55   | 3.55   | 3.55   |        |
|                | 77°F<br>25°C       | TC    | 49375           | 51753  | 53779  | 54137  | 56556  | 52344           | 52510  | 53837  | 54197  | 56612  | 54715           | 54777  | 54916  | 54978  | 56660  | 59095           | 59274  | 59411  | 59426  | 59481  |        |
|                |                    | S/T   | 0.97            | 1.00   | 1.00   | 1.00   | 1.00   | 0.75            | 0.90   | 1.00   | 1.00   | 1.00   | 0.61            | 0.76   | 0.88   | 0.90   | 1.00   | 0.40            | 0.52   | 0.63   | 0.65   | 0.79   |        |
|                |                    | PI    | 3.52            | 3.54   | 3.56   | 3.56   | 3.58   | 3.55            | 3.55   | 3.56   | 3.56   | 3.58   | 3.57            | 3.57   | 3.57   | 3.57   | 3.58   | 3.61            | 3.61   | 3.61   | 3.61   | 3.60   |        |
|                | 82°F<br>27.8°C     | TC    | 48539           | 51017  | 53075  | 53435  | 55882  | 51437           | 51635  | 53121  | 53495  | 55940  | 53829           | 53897  | 54065  | 54132  | 55990  | 58201           | 58420  | 58572  | 58587  | 58651  |        |
|                |                    | S/T   | 0.99            | 1.00   | 1.00   | 1.00   | 1.00   | 0.76            | 0.91   | 1.00   | 1.00   | 1.00   | 0.62            | 0.77   | 0.89   | 0.92   | 1.00   | 0.40            | 0.52   | 0.64   | 0.66   | 0.80   |        |
|                |                    | PI    | 3.86            | 3.89   | 3.90   | 3.90   | 3.92   | 3.89            | 3.89   | 3.90   | 3.90   | 3.92   | 3.91            | 3.91   | 3.91   | 3.91   | 3.92   | 3.96            | 3.95   | 3.95   | 3.95   | 3.94   |        |
|                | 86°F<br>30°C       | TC    | 48833           | 51271  | 53368  | 53740  | 56243  | 51499           | 51735  | 53427  | 53801  | 56301  | 53939           | 54001  | 54199  | 54277  | 56349  | 58395           | 58620  | 58760  | 58774  | 58829  |        |
|                |                    | S/T   | 1.00            | 1.00   | 1.00   | 1.00   | 1.00   | 0.77            | 0.93   | 1.00   | 1.00   | 1.00   | 0.62            | 0.78   | 0.91   | 0.93   | 1.00   | 0.40            | 0.52   | 0.64   | 0.66   | 0.81   |        |
|                |                    | PI    | 4.51            | 4.54   | 4.56   | 4.56   | 4.59   | 4.54            | 4.54   | 4.56   | 4.56   | 4.59   | 4.57            | 4.57   | 4.57   | 4.57   | 4.59   | 4.63            | 4.62   | 4.62   | 4.62   | 4.61   |        |
|                | 95°F<br>35°C       | TC    | 49130           | 49395  | 50991  | 51293  | 53321  | 52215           | 52245  | 52261  | 52323  | 53388  | 54455           | 54466  | 54500  | 54505  | 54595  | 58678           | 58656  | 58667  | 58684  | 58763  |        |
|                |                    | S/T   | 0.83            | 0.95   | 1.00   | 1.00   | 1.00   | 0.66            | 0.78   | 0.88   | 0.89   | 1.00   | 0.56            | 0.67   | 0.76   | 0.78   | 0.88   | 0.39            | 0.48   | 0.57   | 0.58   | 0.68   |        |
|                |                    | PI    | 5.74            | 5.75   | 5.84   | 5.86   | 5.98   | 5.92            | 5.92   | 5.92   | 5.92   | 5.98   | 6.05            | 6.05   | 6.05   | 6.05   | 6.06   | 6.30            | 6.30   | 6.30   | 6.30   | 6.30   |        |
|                | 104°F<br>40°C      |       |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |                 |        |        |        |        |        |

## HEATING PERFORMANCE

Extrapolated Data

The highlighted data is tested; other data is simulated and for reference.

Table 17 – 36K RH Heating — 37MBRA + 45MBAA

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 865              | -13°F (-25.0°C)                                    | 15229                               | 14925            | 14850            | 14335              | 14206              | 3.23                   | 3.25             | 3.26             | 3.27               | 3.28               |
|                  | -4°F (-20.0°C)                                     | 17839                               | 17482            | 17395            | 16791              | 16640              | 3.37                   | 3.40             | 3.41             | 3.41               | 3.43               |
|                  | 0°F (-17.8°C)                                      | 19383                               | 18995            | 18900            | 18244              | 18080              | 3.42                   | 3.45             | 3.45             | 3.46               | 3.47               |
|                  | 5°F (-15.0°C)                                      | 21312                               | 20886            | 20782            | 20060              | 19880              | 3.47                   | 3.50             | 3.51             | 3.52               | 3.53               |
|                  | 14°F (-10.0°C)                                     | 23044                               | 22583            | 22470            | 21690              | 21495              | 3.52                   | 3.55             | 3.56             | 3.56               | 3.58               |
|                  | 17°F (-8.3°C)                                      | 23621                               | 23149            | 23033            | 22234              | 22034              | 3.54                   | 3.57             | 3.57             | 3.58               | 3.59               |
|                  | 22°F (-5.6°C)                                      | 24463                               | 23973            | 23854            | 23026              | 22818              | 3.49                   | 3.52             | 3.52             | 3.53               | 3.54               |
|                  | 27°F (-2.8°C)                                      | 25304                               | 24798            | 24674            | 23817              | 23603              | 3.44                   | 3.47             | 3.47             | 3.48               | 3.49               |
|                  | 32°F (0.0°C)                                       | 26145                               | 25622            | 25494            | 24609              | 24388              | 3.39                   | 3.42             | 3.42             | 3.43               | 3.44               |
|                  | 35°F (1.7°C)                                       | 26650                               | 26117            | 25986            | 25084              | 24859              | 3.36                   | 3.39             | 3.39             | 3.40               | 3.41               |
|                  | 37°F (2.8°C)                                       | 28284                               | 27718            | 27580            | 26623              | 26383              | 3.41                   | 3.43             | 3.44             | 3.45               | 3.46               |
|                  | 42°F (5.6°C)                                       | 32370                               | 31722            | 31564            | 30468              | 30194              | 3.52                   | 3.55             | 3.56             | 3.56               | 3.58               |
|                  | 44.6°F (7.0°C)                                     | 34004                               | 33324            | 33157            | 32006              | 31718              | 3.57                   | 3.60             | 3.60             | 3.61               | 3.62               |
|                  | 47°F (8.3°C)                                       | 36455                               | 35726            | 35547            | 34314              | 34005              | 3.63                   | 3.66             | 3.67             | 3.68               | 3.69               |
|                  | 52°F (11.1°C)                                      | 33312                               | 32646            | 32483            | 31356              | 31073              | 3.27                   | 3.30             | 3.30             | 3.31               | 3.32               |
|                  | 57°F (13.9°C)                                      | 30170                               | 29566            | 29419            | 28397              | 28142              | 2.90                   | 2.93             | 2.93             | 2.94               | 2.95               |
|                  | 59°F (15.0°C)                                      | 28913                               | 28334            | 28193            | 27214              | 26969              | 2.76                   | 2.78             | 2.79             | 2.79               | 2.80               |
|                  | 62°F (16.7°C)                                      | 27027                               | 26487            | 26354            | 25439              | 25210              | 2.54                   | 2.56             | 2.56             | 2.57               | 2.58               |
|                  | 64.4°F (18.0°C)                                    | 25519                               | 25008            | 24883            | 24020              | 23803              | 2.36                   | 2.38             | 2.39             | 2.39               | 2.40               |
|                  | 69.8°F (21.0°C)                                    | 22124                               | 21682            | 21574            | 20825              | 20637              | 1.97                   | 1.98             | 1.99             | 1.99               | 2.00               |
|                  | 75.2°F (24.0°C)                                    | 18730                               | 18356            | 18264            | 17630              | 17471              | 1.57                   | 1.59             | 1.59             | 1.59               | 1.60               |
| 971              | -13°F (-25.0°C)                                    | 16232                               | 15908            | 15828            | 15520              | 15380              | 3.26                   | 3.29             | 3.29             | 3.30               | 3.31               |
|                  | -4°F (-20.0°C)                                     | 19014                               | 18633            | 18540            | 18179              | 18015              | 3.41                   | 3.44             | 3.44             | 3.45               | 3.46               |
|                  | 0°F (-17.8°C)                                      | 20659                               | 20246            | 20145            | 19752              | 19575              | 3.45                   | 3.48             | 3.49             | 3.49               | 3.51               |
|                  | 5°F (-15.0°C)                                      | 22716                               | 22262            | 22150            | 21719              | 21523              | 3.51                   | 3.54             | 3.55             | 3.55               | 3.57               |
|                  | 14°F (-10.0°C)                                     | 24562                               | 24070            | 23950            | 23484              | 23272              | 3.56                   | 3.59             | 3.59             | 3.60               | 3.61               |
|                  | 17°F (-8.3°C)                                      | 25177                               | 24673            | 24550            | 24072              | 23855              | 3.57                   | 3.60             | 3.61             | 3.62               | 3.63               |
|                  | 22°F (-5.6°C)                                      | 26074                               | 25552            | 25424            | 24929              | 24705              | 3.52                   | 3.55             | 3.56             | 3.57               | 3.58               |
|                  | 27°F (-2.8°C)                                      | 26970                               | 26431            | 26299            | 25786              | 25554              | 3.47                   | 3.50             | 3.51             | 3.52               | 3.53               |
|                  | 32°F (0.0°C)                                       | 27867                               | 27310            | 27173            | 26644              | 26404              | 3.42                   | 3.45             | 3.46             | 3.47               | 3.48               |
|                  | 35°F (1.7°C)                                       | 28405                               | 27837            | 27698            | 27158              | 26914              | 3.39                   | 3.42             | 3.43             | 3.44               | 3.45               |
|                  | 37°F (2.8°C)                                       | 30147                               | 29544            | 29396            | 28824              | 28564              | 3.44                   | 3.47             | 3.48             | 3.48               | 3.50               |
|                  | 42°F (5.6°C)                                       | 34501                               | 33811            | 33642            | 32987              | 32690              | 3.56                   | 3.58             | 3.59             | 3.60               | 3.61               |
|                  | 44.6°F (7.0°C)                                     | 36243                               | 35518            | 35341            | 34652              | 34340              | 3.60                   | 3.63             | 3.64             | 3.65               | 3.66               |
|                  | 47°F (8.3°C)                                       | 38856                               | 38079            | 37888            | 37150              | 36816              | 3.67                   | 3.70             | 3.71             | 3.72               | 3.73               |
|                  | 52°F (11.1°C)                                      | 35506                               | 34796            | 34622            | 33948              | 33642              | 3.30                   | 3.33             | 3.34             | 3.34               | 3.36               |
|                  | 57°F (13.9°C)                                      | 32156                               | 31513            | 31356            | 30745              | 30468              | 2.93                   | 2.96             | 2.96             | 2.97               | 2.98               |
|                  | 59°F (15.0°C)                                      | 30817                               | 30200            | 30049            | 29464              | 29199              | 2.79                   | 2.81             | 2.81             | 2.82               | 2.83               |
|                  | 62°F (16.7°C)                                      | 28807                               | 28231            | 28090            | 27542              | 27295              | 2.56                   | 2.58             | 2.59             | 2.59               | 2.61               |
|                  | 64.4°F (18.0°C)                                    | 27199                               | 26655            | 26522            | 26005              | 25771              | 2.39                   | 2.41             | 2.41             | 2.42               | 2.43               |
|                  | 69.8°F (21.0°C)                                    | 23581                               | 23110            | 22994            | 22546              | 22343              | 1.99                   | 2.00             | 2.01             | 2.01               | 2.02               |
|                  | 75.2°F (24.0°C)                                    | 19964                               | 19565            | 19467            | 19088              | 18916              | 1.59                   | 1.60             | 1.60             | 1.61               | 1.61               |

Table 17 – 36K RH Heating — 37MBRA + 45MBAA (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1082             | -13°F (-25.0°C)                                    | 17301                               | 16955            | 16870            | 16803              | 16652              | 3.29                   | 3.32             | 3.33             | 3.33               | 3.35               |
|                  | -4°F (-20.0°C)                                     | 20266                               | 19860            | 19761            | 19682              | 19505              | 3.44                   | 3.47             | 3.48             | 3.48               | 3.50               |
|                  | 0°F (-17.8°C)                                      | 22019                               | 21579            | 21471            | 21385              | 21193              | 3.49                   | 3.52             | 3.52             | 3.53               | 3.54               |
|                  | 5°F (-15.0°C)                                      | 24212                               | 23727            | 23609            | 23514              | 23303              | 3.55                   | 3.57             | 3.58             | 3.59               | 3.60               |
|                  | 14°F (-10.0°C)                                     | 26179                               | 25655            | 25527            | 25425              | 25196              | 3.59                   | 3.62             | 3.63             | 3.64               | 3.65               |
|                  | 17°F (-8.3°C)                                      | 26835                               | 26298            | 26167            | 26062              | 25827              | 3.61                   | 3.64             | 3.65             | 3.65               | 3.67               |
|                  | 22°F (-5.6°C)                                      | 27790                               | 27235            | 27099            | 26990              | 26747              | 3.56                   | 3.59             | 3.59             | 3.60               | 3.62               |
|                  | 27°F (-2.8°C)                                      | 28746                               | 28171            | 28030            | 27918              | 27667              | 3.51                   | 3.54             | 3.54             | 3.55               | 3.57               |
|                  | 32°F (0.0°C)                                       | 29702                               | 29108            | 28962            | 28846              | 28587              | 3.46                   | 3.49             | 3.49             | 3.50               | 3.51               |
|                  | 35°F (1.7°C)                                       | 30275                               | 29670            | 29521            | 29403              | 29139              | 3.43                   | 3.46             | 3.46             | 3.47               | 3.48               |
|                  | 37°F (2.8°C)                                       | 32132                               | 31489            | 31332            | 31206              | 30926              | 3.48                   | 3.50             | 3.51             | 3.52               | 3.53               |
|                  | 42°F (5.6°C)                                       | 36773                               | 36038            | 35857            | 35714              | 35393              | 3.59                   | 3.62             | 3.63             | 3.64               | 3.65               |
|                  | 44.6°F (7.0°C)                                     | 38630                               | 37857            | 37668            | 37517              | 37179              | 3.64                   | 3.67             | 3.68             | 3.68               | 3.70               |
|                  | 47°F (8.3°C)                                       | 41414                               | 40586            | 40383            | 40222              | 39860              | 3.71                   | 3.74             | 3.75             | 3.75               | 3.77               |
|                  | 52°F (11.1°C)                                      | 37844                               | 37087            | 36902            | 36754              | 36423              | 3.34                   | 3.36             | 3.37             | 3.38               | 3.39               |
|                  | 57°F (13.9°C)                                      | 34274                               | 33588            | 33421            | 33287              | 32987              | 2.96                   | 2.99             | 2.99             | 3.00               | 3.01               |
|                  | 59°F (15.0°C)                                      | 32846                               | 32189            | 32028            | 31900              | 31613              | 2.81                   | 2.84             | 2.84             | 2.85               | 2.86               |
|                  | 62°F (16.7°C)                                      | 30704                               | 30090            | 29939            | 29819              | 29551              | 2.59                   | 2.61             | 2.62             | 2.62               | 2.63               |
|                  | 64.4°F (18.0°C)                                    | 28990                               | 28410            | 28268            | 28155              | 27902              | 2.41                   | 2.43             | 2.44             | 2.44               | 2.45               |
|                  | 69.8°F (21.0°C)                                    | 25134                               | 24632            | 24508            | 24410              | 24191              | 2.01                   | 2.02             | 2.03             | 2.03               | 2.04               |
|                  | 75.2°F (24.0°C)                                    | 21278                               | 20853            | 20749            | 20666              | 20480              | 1.60                   | 1.62             | 1.62             | 1.62               | 1.63               |
| 1188             | -13°F (-25.0°C)                                    | 18440                               | 18072            | 17981            | 17909              | 17748              | 3.33                   | 3.35             | 3.36             | 3.37               | 3.38               |
|                  | -4°F (-20.0°C)                                     | 21600                               | 21168            | 21062            | 20978              | 20789              | 3.48                   | 3.50             | 3.51             | 3.52               | 3.53               |
|                  | 0°F (-17.8°C)                                      | 23469                               | 23000            | 22885            | 22794              | 22588              | 3.52                   | 3.55             | 3.56             | 3.57               | 3.58               |
|                  | 5°F (-15.0°C)                                      | 25806                               | 25290            | 25164            | 25063              | 24837              | 3.58                   | 3.61             | 3.62             | 3.62               | 3.64               |
|                  | 14°F (-10.0°C)                                     | 27903                               | 27345            | 27208            | 27099              | 26855              | 3.63                   | 3.66             | 3.67             | 3.67               | 3.69               |
|                  | 17°F (-8.3°C)                                      | 28602                               | 28030            | 27890            | 27778              | 27528              | 3.65                   | 3.67             | 3.68             | 3.69               | 3.70               |
|                  | 22°F (-5.6°C)                                      | 29621                               | 29028            | 28883            | 28767              | 28509              | 3.59                   | 3.62             | 3.63             | 3.64               | 3.65               |
|                  | 27°F (-2.8°C)                                      | 30639                               | 30026            | 29876            | 29757              | 29489              | 3.54                   | 3.57             | 3.58             | 3.59               | 3.60               |
|                  | 32°F (0.0°C)                                       | 31658                               | 31025            | 30870            | 30746              | 30469              | 3.49                   | 3.52             | 3.53             | 3.54               | 3.55               |
|                  | 35°F (1.7°C)                                       | 32269                               | 31624            | 31465            | 31340              | 31058              | 3.46                   | 3.49             | 3.50             | 3.51               | 3.52               |
|                  | 37°F (2.8°C)                                       | 34248                               | 33563            | 33395            | 33261              | 32962              | 3.51                   | 3.54             | 3.55             | 3.55               | 3.57               |
|                  | 42°F (5.6°C)                                       | 39195                               | 38411            | 38219            | 38066              | 37723              | 3.63                   | 3.66             | 3.66             | 3.67               | 3.69               |
|                  | 44.6°F (7.0°C)                                     | 41173                               | 40350            | 40148            | 39988              | 39628              | 3.68                   | 3.71             | 3.71             | 3.72               | 3.73               |
|                  | 47°F (8.3°C)                                       | 44142                               | 43259            | 43042            | 42870              | 42484              | 3.75                   | 3.78             | 3.78             | 3.79               | 3.81               |
|                  | 52°F (11.1°C)                                      | 40336                               | 39529            | 39332            | 39175              | 38822              | 3.37                   | 3.40             | 3.40             | 3.41               | 3.42               |
|                  | 57°F (13.9°C)                                      | 36531                               | 35800            | 35621            | 35479              | 35159              | 2.99                   | 3.02             | 3.02             | 3.03               | 3.04               |
|                  | 59°F (15.0°C)                                      | 35009                               | 34309            | 34137            | 34001              | 33695              | 2.84                   | 2.86             | 2.87             | 2.88               | 2.89               |
|                  | 62°F (16.7°C)                                      | 32726                               | 32071            | 31911            | 31783              | 31497              | 2.62                   | 2.64             | 2.64             | 2.65               | 2.66               |
|                  | 64.4°F (18.0°C)                                    | 30899                               | 30281            | 30130            | 30009              | 29739              | 2.44                   | 2.45             | 2.46             | 2.46               | 2.47               |
|                  | 69.8°F (21.0°C)                                    | 26789                               | 26254            | 26122            | 26018              | 25784              | 2.03                   | 2.04             | 2.05             | 2.05               | 2.06               |
|                  | 75.2°F (24.0°C)                                    | 22680                               | 22226            | 22115            | 22026              | 21828              | 1.62                   | 1.63             | 1.64             | 1.64               | 1.65               |

Table 18 – 48K RH Heating — 37MBRA + 45MBAA

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 865              | -13°F (-25.0°C)                                    | 25398                               | 24890            | 24766            | 22203              | 22003              | 4.54                   | 4.58             | 4.59             | 4.60               | 4.62               |
|                  | -4°F (-20.0°C)                                     | 29944                               | 29345            | 29198            | 26176              | 25940              | 4.62                   | 4.66             | 4.67             | 4.68               | 4.70               |
|                  | 0°F (-17.8°C)                                      | 30935                               | 30316            | 30164            | 27042              | 26799              | 4.74                   | 4.78             | 4.79             | 4.80               | 4.82               |
|                  | 5°F (-15.0°C)                                      | 32173                               | 31530            | 31372            | 28125              | 27872              | 4.89                   | 4.93             | 4.94             | 4.95               | 4.97               |
|                  | 14°F (-10.0°C)                                     | 37196                               | 36453            | 36270            | 32516              | 32224              | 5.12                   | 5.16             | 5.17             | 5.18               | 5.20               |
|                  | 17°F (-8.3°C)                                      | 38871                               | 38093            | 37903            | 33980              | 33674              | 5.19                   | 5.23             | 5.24             | 5.25               | 5.28               |
|                  | 22°F (-5.6°C)                                      | 40572                               | 39761            | 39562            | 35467              | 35148              | 5.22                   | 5.26             | 5.27             | 5.28               | 5.30               |
|                  | 27°F (-2.8°C)                                      | 42273                               | 41428            | 41221            | 36954              | 36622              | 5.24                   | 5.28             | 5.29             | 5.30               | 5.32               |
|                  | 32°F (0.0°C)                                       | 43975                               | 43095            | 42880            | 38442              | 38096              | 5.26                   | 5.30             | 5.31             | 5.33               | 5.35               |
|                  | 35°F (1.7°C)                                       | 44996                               | 44096            | 43875            | 39334              | 38980              | 5.28                   | 5.32             | 5.33             | 5.34               | 5.36               |
|                  | 37°F (2.8°C)                                       | 46789                               | 45853            | 45624            | 40902              | 40533              | 5.27                   | 5.31             | 5.33             | 5.34               | 5.36               |
|                  | 42°F (5.6°C)                                       | 51272                               | 50246            | 49995            | 44820              | 44417              | 5.26                   | 5.31             | 5.32             | 5.33               | 5.35               |
|                  | 44.6°F (7.0°C)                                     | 53065                               | 52004            | 51743            | 46388              | 45971              | 5.26                   | 5.30             | 5.31             | 5.32               | 5.34               |
|                  | 47°F (8.3°C)                                       | 55755                               | 54639            | 54366            | 48739              | 48301              | 5.25                   | 5.30             | 5.31             | 5.32               | 5.34               |
|                  | 52°F (11.1°C)                                      | 51749                               | 50714            | 50461            | 45238              | 44831              | 4.80                   | 4.84             | 4.85             | 4.86               | 4.88               |
|                  | 57°F (13.9°C)                                      | 47744                               | 46789            | 46555            | 41737              | 41361              | 4.35                   | 4.38             | 4.39             | 4.40               | 4.42               |
|                  | 59°F (15.0°C)                                      | 46142                               | 45219            | 44993            | 40336              | 39973              | 4.17                   | 4.20             | 4.21             | 4.22               | 4.23               |
|                  | 62°F (16.7°C)                                      | 43738                               | 42864            | 42649            | 38235              | 37891              | 3.90                   | 3.93             | 3.93             | 3.94               | 3.96               |
|                  | 64.4°F (18.0°C)                                    | 41816                               | 40980            | 40775            | 36555              | 36226              | 3.68                   | 3.71             | 3.72             | 3.72               | 3.74               |
|                  | 69.8°F (21.0°C)                                    | 37490                               | 36740            | 36557            | 32773              | 32478              | 3.19                   | 3.21             | 3.22             | 3.23               | 3.24               |
|                  | 75.2°F (24.0°C)                                    | 33164                               | 32501            | 32339            | 28992              | 28731              | 2.70                   | 2.72             | 2.73             | 2.73               | 2.74               |
| 971              | -13°F (-25.0°C)                                    | 26829                               | 26292            | 26160            | 24720              | 24498              | 4.59                   | 4.63             | 4.64             | 4.65               | 4.66               |
|                  | -4°F (-20.0°C)                                     | 31630                               | 30997            | 30842            | 29144              | 28882              | 4.67                   | 4.71             | 4.72             | 4.73               | 4.75               |
|                  | 0°F (-17.8°C)                                      | 32676                               | 32023            | 31863            | 30108              | 29838              | 4.79                   | 4.83             | 4.84             | 4.85               | 4.87               |
|                  | 5°F (-15.0°C)                                      | 33985                               | 33305            | 33139            | 31314              | 31032              | 4.94                   | 4.98             | 4.99             | 5.00               | 5.02               |
|                  | 14°F (-10.0°C)                                     | 39291                               | 38505            | 38313            | 36203              | 35877              | 5.17                   | 5.21             | 5.22             | 5.23               | 5.25               |
|                  | 17°F (-8.3°C)                                      | 41060                               | 40238            | 40037            | 37833              | 37492              | 5.24                   | 5.29             | 5.30             | 5.31               | 5.33               |
|                  | 22°F (-5.6°C)                                      | 42857                               | 42000            | 41790            | 39489              | 39133              | 5.27                   | 5.31             | 5.32             | 5.33               | 5.35               |
|                  | 27°F (-2.8°C)                                      | 44654                               | 43761            | 43542            | 41145              | 40774              | 5.29                   | 5.33             | 5.34             | 5.36               | 5.38               |
|                  | 32°F (0.0°C)                                       | 46451                               | 45522            | 45294            | 42801              | 42415              | 5.31                   | 5.36             | 5.37             | 5.38               | 5.40               |
|                  | 35°F (1.7°C)                                       | 47529                               | 46579            | 46346            | 43794              | 43400              | 5.33                   | 5.37             | 5.38             | 5.39               | 5.42               |
|                  | 37°F (2.8°C)                                       | 49423                               | 48435            | 48193            | 45539              | 45129              | 5.33                   | 5.37             | 5.38             | 5.39               | 5.41               |
|                  | 42°F (5.6°C)                                       | 54159                               | 53076            | 52810            | 49903              | 49453              | 5.32                   | 5.36             | 5.37             | 5.38               | 5.40               |
|                  | 44.6°F (7.0°C)                                     | 56053                               | 54932            | 54657            | 51648              | 51183              | 5.31                   | 5.36             | 5.37             | 5.38               | 5.40               |
|                  | 47°F (8.3°C)                                       | 58894                               | 57716            | 57428            | 54266              | 53777              | 5.31                   | 5.35             | 5.36             | 5.37               | 5.39               |
|                  | 52°F (11.1°C)                                      | 54663                               | 53570            | 53302            | 50367              | 49914              | 4.85                   | 4.89             | 4.90             | 4.91               | 4.93               |
|                  | 57°F (13.9°C)                                      | 50432                               | 49424            | 49177            | 46469              | 46051              | 4.39                   | 4.43             | 4.44             | 4.45               | 4.46               |
|                  | 59°F (15.0°C)                                      | 48740                               | 47765            | 47526            | 44910              | 44505              | 4.21                   | 4.24             | 4.25             | 4.26               | 4.28               |
|                  | 62°F (16.7°C)                                      | 46201                               | 45277            | 45051            | 42571              | 42187              | 3.93                   | 3.97             | 3.97             | 3.98               | 4.00               |
|                  | 64.4°F (18.0°C)                                    | 44171                               | 43287            | 43071            | 40699              | 40333              | 3.72                   | 3.75             | 3.75             | 3.76               | 3.78               |
|                  | 69.8°F (21.0°C)                                    | 39601                               | 38809            | 38615            | 36489              | 36161              | 3.22                   | 3.25             | 3.25             | 3.26               | 3.27               |
|                  | 75.2°F (24.0°C)                                    | 35032                               | 34331            | 34160            | 32279              | 31988              | 2.73                   | 2.75             | 2.75             | 2.76               | 2.77               |

Table 18 – 48K RH Heating — 37MBRA + 45MBAA (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1082             | -13°F (-25.0°C)                                    | 28339                               | 27772            | 27634            | 27523              | 27275              | 4.64                   | 4.67             | 4.68             | 4.69               | 4.71               |
|                  | -4°F (-20.0°C)                                     | 33411                               | 32743            | 32579            | 32449              | 32157              | 4.72                   | 4.76             | 4.76             | 4.77               | 4.79               |
|                  | 0°F (-17.8°C)                                      | 34516                               | 33826            | 33657            | 33522              | 33221              | 4.84                   | 4.88             | 4.89             | 4.90               | 4.92               |
|                  | 5°F (-15.0°C)                                      | 35899                               | 35181            | 35005            | 34865              | 34551              | 4.99                   | 5.03             | 5.04             | 5.05               | 5.07               |
|                  | 14°F (-10.0°C)                                     | 41503                               | 40673            | 40470            | 40308              | 39945              | 5.22                   | 5.26             | 5.27             | 5.28               | 5.30               |
|                  | 17°F (-8.3°C)                                      | 43372                               | 42504            | 42292            | 42123              | 41744              | 5.30                   | 5.34             | 5.35             | 5.36               | 5.38               |
|                  | 22°F (-5.6°C)                                      | 45270                               | 44365            | 44143            | 43966              | 43571              | 5.32                   | 5.36             | 5.37             | 5.39               | 5.41               |
|                  | 27°F (-2.8°C)                                      | 47168                               | 46225            | 45994            | 45810              | 45398              | 5.34                   | 5.39             | 5.40             | 5.41               | 5.43               |
|                  | 32°F (0.0°C)                                       | 49067                               | 48085            | 47845            | 47654              | 47225              | 5.37                   | 5.41             | 5.42             | 5.43               | 5.46               |
|                  | 35°F (1.7°C)                                       | 50206                               | 49202            | 48956            | 48760              | 48321              | 5.38                   | 5.43             | 5.44             | 5.45               | 5.47               |
|                  | 37°F (2.8°C)                                       | 52206                               | 51162            | 50907            | 50703              | 50247              | 5.38                   | 5.42             | 5.43             | 5.44               | 5.47               |
|                  | 42°F (5.6°C)                                       | 57208                               | 56064            | 55784            | 55561              | 55061              | 5.37                   | 5.41             | 5.42             | 5.44               | 5.46               |
|                  | 44.6°F (7.0°C)                                     | 59209                               | 58025            | 57735            | 57504              | 56987              | 5.37                   | 5.41             | 5.42             | 5.43               | 5.45               |
|                  | 47°F (8.3°C)                                       | 62211                               | 60966            | 60661            | 60419              | 59875              | 5.36                   | 5.40             | 5.42             | 5.43               | 5.45               |
|                  | 52°F (11.1°C)                                      | 57741                               | 56587            | 56304            | 56078              | 55574              | 4.90                   | 4.94             | 4.95             | 4.96               | 4.98               |
|                  | 57°F (13.9°C)                                      | 53272                               | 52207            | 51946            | 51738              | 51272              | 4.44                   | 4.47             | 4.48             | 4.49               | 4.51               |
|                  | 59°F (15.0°C)                                      | 51485                               | 50455            | 50203            | 50002              | 49552              | 4.25                   | 4.29             | 4.29             | 4.30               | 4.32               |
|                  | 62°F (16.7°C)                                      | 48803                               | 47827            | 47588            | 47398              | 46971              | 3.97                   | 4.01             | 4.01             | 4.02               | 4.04               |
|                  | 64.4°F (18.0°C)                                    | 46658                               | 45725            | 45496            | 45314              | 44906              | 3.75                   | 3.78             | 3.79             | 3.80               | 3.81               |
|                  | 69.8°F (21.0°C)                                    | 41831                               | 40995            | 40790            | 40626              | 40261              | 3.25                   | 3.28             | 3.29             | 3.29               | 3.31               |
|                  | 75.2°F (24.0°C)                                    | 37005                               | 36264            | 36083            | 35939              | 35615              | 2.75                   | 2.78             | 2.78             | 2.79               | 2.80               |
| 1188             | -13°F (-25.0°C)                                    | 29935                               | 29336            | 29190            | 29073              | 28811              | 4.68                   | 4.72             | 4.73             | 4.74               | 4.76               |
|                  | -4°F (-20.0°C)                                     | 35292                               | 34586            | 34413            | 34276              | 33967              | 4.76                   | 4.80             | 4.81             | 4.82               | 4.84               |
|                  | 0°F (-17.8°C)                                      | 36460                               | 35731            | 35552            | 35410              | 35091              | 4.89                   | 4.93             | 4.94             | 4.95               | 4.97               |
|                  | 5°F (-15.0°C)                                      | 37920                               | 37162            | 36976            | 36828              | 36496              | 5.04                   | 5.08             | 5.09             | 5.10               | 5.12               |
|                  | 14°F (-10.0°C)                                     | 43841                               | 42964            | 42749            | 42578              | 42195              | 5.27                   | 5.32             | 5.33             | 5.34               | 5.36               |
|                  | 17°F (-8.3°C)                                      | 45814                               | 44898            | 44673            | 44495              | 44094              | 5.35                   | 5.39             | 5.41             | 5.42               | 5.44               |
|                  | 22°F (-5.6°C)                                      | 47819                               | 46863            | 46629            | 46442              | 46024              | 5.37                   | 5.42             | 5.43             | 5.44               | 5.46               |
|                  | 27°F (-2.8°C)                                      | 49824                               | 48828            | 48584            | 48390              | 47954              | 5.40                   | 5.44             | 5.45             | 5.46               | 5.49               |
|                  | 32°F (0.0°C)                                       | 51830                               | 50793            | 50539            | 50337              | 49884              | 5.42                   | 5.47             | 5.48             | 5.49               | 5.51               |
|                  | 35°F (1.7°C)                                       | 53033                               | 51972            | 51712            | 51505              | 51042              | 5.44                   | 5.48             | 5.49             | 5.50               | 5.53               |
|                  | 37°F (2.8°C)                                       | 55146                               | 54043            | 53773            | 53558              | 53076              | 5.43                   | 5.48             | 5.49             | 5.50               | 5.52               |
|                  | 42°F (5.6°C)                                       | 60430                               | 59221            | 58925            | 58690              | 58161              | 5.42                   | 5.47             | 5.48             | 5.49               | 5.51               |
|                  | 44.6°F (7.0°C)                                     | 62543                               | 61293            | 60986            | 60742              | 60195              | 5.42                   | 5.46             | 5.48             | 5.49               | 5.51               |
|                  | 47°F (8.3°C)                                       | 65714                               | 64399            | 64077            | 63821              | 63247              | 5.42                   | 5.46             | 5.47             | 5.48               | 5.50               |
|                  | 52°F (11.1°C)                                      | 60993                               | 59773            | 59474            | 59236              | 58703              | 4.95                   | 4.99             | 5.00             | 5.01               | 5.03               |
|                  | 57°F (13.9°C)                                      | 56272                               | 55147            | 54871            | 54651              | 54159              | 4.48                   | 4.52             | 4.53             | 4.54               | 4.55               |
|                  | 59°F (15.0°C)                                      | 54384                               | 53296            | 53030            | 52817              | 52342              | 4.29                   | 4.33             | 4.34             | 4.35               | 4.36               |
|                  | 62°F (16.7°C)                                      | 51551                               | 50520            | 50268            | 50067              | 49616              | 4.01                   | 4.05             | 4.06             | 4.06               | 4.08               |
|                  | 64.4°F (18.0°C)                                    | 49285                               | 48300            | 48058            | 47866              | 47435              | 3.79                   | 3.82             | 3.83             | 3.84               | 3.85               |
|                  | 69.8°F (21.0°C)                                    | 44187                               | 43303            | 43087            | 42914              | 42528              | 3.29                   | 3.31             | 3.32             | 3.33               | 3.34               |
|                  | 75.2°F (24.0°C)                                    | 39088                               | 38307            | 38115            | 37963              | 37621              | 2.78                   | 2.80             | 2.81             | 2.82               | 2.83               |

Table 19 – 54K RH Heating — 37MBRA + 45MBAA

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1135             | -13°F (-25.0°C)                                    | 21028                               | 20608            | 20505            | 19616              | 19439              | 4.07                   | 4.10             | 4.11             | 4.12               | 4.14               |
|                  | -4°F (-20.0°C)                                     | 24830                               | 24333            | 24212            | 23162              | 22954              | 4.29                   | 4.33             | 4.33             | 4.34               | 4.36               |
|                  | 0°F (-17.8°C)                                      | 25842                               | 25325            | 25198            | 24106              | 23889              | 4.21                   | 4.25             | 4.26             | 4.26               | 4.28               |
|                  | 5°F (-15.0°C)                                      | 27106                               | 26564            | 26431            | 25285              | 25058              | 4.12                   | 4.15             | 4.16             | 4.17               | 4.18               |
|                  | 14°F (-10.0°C)                                     | 30434                               | 29826            | 29676            | 28390              | 28134              | 4.21                   | 4.24             | 4.25             | 4.26               | 4.28               |
|                  | 17°F (-8.3°C)                                      | 31544                               | 30913            | 30758            | 29425              | 29160              | 4.24                   | 4.28             | 4.29             | 4.29               | 4.31               |
|                  | 22°F (-5.6°C)                                      | 33119                               | 32457            | 32294            | 30894              | 30616              | 4.28                   | 4.31             | 4.32             | 4.33               | 4.35               |
|                  | 27°F (-2.8°C)                                      | 34695                               | 34001            | 33831            | 32364              | 32073              | 4.32                   | 4.35             | 4.36             | 4.37               | 4.39               |
|                  | 32°F (0.0°C)                                       | 36270                               | 35545            | 35367            | 33834              | 33529              | 4.35                   | 4.39             | 4.40             | 4.41               | 4.43               |
|                  | 35°F (1.7°C)                                       | 37215                               | 36471            | 36289            | 34715              | 34403              | 4.38                   | 4.41             | 4.42             | 4.43               | 4.45               |
|                  | 37°F (2.8°C)                                       | 38584                               | 37812            | 37623            | 35992              | 35668              | 4.33                   | 4.36             | 4.37             | 4.38               | 4.40               |
|                  | 42°F (5.6°C)                                       | 42005                               | 41165            | 40959            | 39183              | 38831              | 4.21                   | 4.24             | 4.25             | 4.26               | 4.27               |
|                  | 44.6°F (7.0°C)                                     | 43373                               | 42506            | 42293            | 40460              | 40096              | 4.16                   | 4.19             | 4.20             | 4.21               | 4.22               |
|                  | 47°F (8.3°C)                                       | 45426                               | 44517            | 44295            | 42374              | 41993              | 4.08                   | 4.12             | 4.13             | 4.13               | 4.15               |
|                  | 52°F (11.1°C)                                      | 43356                               | 42489            | 42277            | 40444              | 40080              | 3.81                   | 3.85             | 3.85             | 3.86               | 3.88               |
|                  | 57°F (13.9°C)                                      | 41287                               | 40461            | 40259            | 38513              | 38167              | 3.55                   | 3.57             | 3.58             | 3.59               | 3.60               |
|                  | 59°F (15.0°C)                                      | 40459                               | 39650            | 39451            | 37741              | 37401              | 3.44                   | 3.47             | 3.47             | 3.48               | 3.49               |
|                  | 62°F (16.7°C)                                      | 39217                               | 38433            | 38241            | 36583              | 36253              | 3.28                   | 3.30             | 3.31             | 3.32               | 3.33               |
|                  | 64.4°F (18.0°C)                                    | 38224                               | 37459            | 37272            | 35656              | 35335              | 3.15                   | 3.17             | 3.18             | 3.18               | 3.20               |
|                  | 69.8°F (21.0°C)                                    | 35988                               | 35269            | 35092            | 33571              | 33269              | 2.86                   | 2.88             | 2.88             | 2.89               | 2.90               |
|                  | 75.2°F (24.0°C)                                    | 33753                               | 33078            | 32913            | 31486              | 31202              | 2.56                   | 2.59             | 2.59             | 2.60               | 2.61               |
| 1359             | -13°F (-25.0°C)                                    | 23300                               | 22834            | 22720            | 22177              | 21977              | 4.42                   | 4.46             | 4.47             | 4.48               | 4.50               |
|                  | -4°F (-20.0°C)                                     | 27512                               | 26962            | 26827            | 26187              | 25951              | 4.66                   | 4.70             | 4.71             | 4.72               | 4.74               |
|                  | 0°F (-17.8°C)                                      | 28633                               | 28061            | 27920            | 27254              | 27008              | 4.58                   | 4.62             | 4.63             | 4.63               | 4.65               |
|                  | 5°F (-15.0°C)                                      | 30034                               | 29434            | 29287            | 28587              | 28330              | 4.47                   | 4.51             | 4.52             | 4.53               | 4.55               |
|                  | 14°F (-10.0°C)                                     | 33722                               | 33047            | 32882            | 32097              | 31808              | 4.58                   | 4.61             | 4.62             | 4.63               | 4.65               |
|                  | 17°F (-8.3°C)                                      | 34951                               | 34252            | 34081            | 33267              | 32968              | 4.61                   | 4.65             | 4.66             | 4.67               | 4.69               |
|                  | 22°F (-5.6°C)                                      | 36697                               | 35963            | 35783            | 34929              | 34614              | 4.65                   | 4.69             | 4.70             | 4.71               | 4.73               |
|                  | 27°F (-2.8°C)                                      | 38442                               | 37673            | 37485            | 36590              | 36261              | 4.69                   | 4.73             | 4.74             | 4.75               | 4.77               |
|                  | 32°F (0.0°C)                                       | 40188                               | 39384            | 39187            | 38252              | 37907              | 4.73                   | 4.77             | 4.78             | 4.79               | 4.81               |
|                  | 35°F (1.7°C)                                       | 41235                               | 40411            | 40209            | 39249              | 38895              | 4.76                   | 4.80             | 4.81             | 4.82               | 4.83               |
|                  | 37°F (2.8°C)                                       | 42752                               | 41897            | 41687            | 40692              | 40326              | 4.70                   | 4.74             | 4.75             | 4.76               | 4.78               |
|                  | 42°F (5.6°C)                                       | 46542                               | 45612            | 45383            | 44300              | 43901              | 4.57                   | 4.61             | 4.62             | 4.63               | 4.65               |
|                  | 44.6°F (7.0°C)                                     | 48059                               | 47097            | 46862            | 45743              | 45331              | 4.52                   | 4.56             | 4.56             | 4.57               | 4.59               |
|                  | 47°F (8.3°C)                                       | 50333                               | 49326            | 49080            | 47908              | 47477              | 4.44                   | 4.48             | 4.48             | 4.49               | 4.51               |
|                  | 52°F (11.1°C)                                      | 48040                               | 47079            | 46844            | 45725              | 45314              | 4.15                   | 4.18             | 4.19             | 4.20               | 4.21               |
|                  | 57°F (13.9°C)                                      | 45747                               | 44832            | 44608            | 43542              | 43151              | 3.85                   | 3.88             | 3.89             | 3.90               | 3.92               |
|                  | 59°F (15.0°C)                                      | 44829                               | 43933            | 43713            | 42669              | 42285              | 3.74                   | 3.77             | 3.77             | 3.78               | 3.80               |
|                  | 62°F (16.7°C)                                      | 43453                               | 42584            | 42371            | 41360              | 40988              | 3.56                   | 3.59             | 3.60             | 3.60               | 3.62               |
|                  | 64.4°F (18.0°C)                                    | 42353                               | 41506            | 41298            | 40312              | 39949              | 3.42                   | 3.45             | 3.46             | 3.46               | 3.48               |
|                  | 69.8°F (21.0°C)                                    | 39876                               | 39079            | 38883            | 37955              | 37613              | 3.10                   | 3.13             | 3.14             | 3.14               | 3.15               |
|                  | 75.2°F (24.0°C)                                    | 37399                               | 36651            | 36468            | 35597              | 35277              | 2.79                   | 2.81             | 2.82             | 2.82               | 2.83               |

Table 19 – 54K RH Heating — 37MBRA + 45MBAA (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1582             | -13°F (-25.0°C)                                    | 25817                               | 25300            | 25174            | 25073              | 24847              | 4.81                   | 4.85             | 4.86             | 4.87               | 4.89               |
|                  | -4°F (-20.0°C)                                     | 30484                               | 29874            | 29725            | 29606              | 29340              | 5.07                   | 5.11             | 5.12             | 5.13               | 5.15               |
|                  | 0°F (-17.8°C)                                      | 31726                               | 31092            | 30936            | 30813              | 30535              | 4.98                   | 5.02             | 5.03             | 5.04               | 5.06               |
|                  | 5°F (-15.0°C)                                      | 33279                               | 32613            | 32450            | 32320              | 32030              | 4.86                   | 4.90             | 4.91             | 4.92               | 4.94               |
|                  | 14°F (-10.0°C)                                     | 37365                               | 36617            | 36434            | 36288              | 35962              | 4.97                   | 5.01             | 5.03             | 5.04               | 5.06               |
|                  | 17°F (-8.3°C)                                      | 38726                               | 37952            | 37762            | 37611              | 37273              | 5.01                   | 5.05             | 5.06             | 5.07               | 5.09               |
|                  | 22°F (-5.6°C)                                      | 40661                               | 39848            | 39648            | 39490              | 39134              | 5.06                   | 5.10             | 5.11             | 5.12               | 5.14               |
|                  | 27°F (-2.8°C)                                      | 42595                               | 41743            | 41534            | 41368              | 40996              | 5.10                   | 5.14             | 5.15             | 5.16               | 5.18               |
|                  | 32°F (0.0°C)                                       | 44529                               | 43639            | 43420            | 43247              | 42858              | 5.14                   | 5.19             | 5.20             | 5.21               | 5.23               |
|                  | 35°F (1.7°C)                                       | 45690                               | 44776            | 44552            | 44374              | 43975              | 5.17                   | 5.21             | 5.22             | 5.23               | 5.26               |
|                  | 37°F (2.8°C)                                       | 47370                               | 46422            | 46190            | 46006              | 45592              | 5.11                   | 5.16             | 5.17             | 5.18               | 5.20               |
|                  | 42°F (5.6°C)                                       | 51570                               | 50539            | 50286            | 50085              | 49634              | 4.97                   | 5.01             | 5.02             | 5.03               | 5.05               |
|                  | 44.6°F (7.0°C)                                     | 53250                               | 52185            | 51924            | 51716              | 51251              | 4.91                   | 4.95             | 4.96             | 4.97               | 4.99               |
|                  | 47°F (8.3°C)                                       | 55770                               | 54655            | 54381            | 54164              | 53676              | 4.83                   | 4.86             | 4.87             | 4.88               | 4.90               |
|                  | 52°F (11.1°C)                                      | 53229                               | 52165            | 51904            | 51696              | 51231              | 4.51                   | 4.54             | 4.55             | 4.56               | 4.58               |
|                  | 57°F (13.9°C)                                      | 50688                               | 49675            | 49426            | 49228              | 48785              | 4.19                   | 4.22             | 4.23             | 4.24               | 4.26               |
|                  | 59°F (15.0°C)                                      | 49672                               | 48679            | 48435            | 48241              | 47807              | 4.06                   | 4.09             | 4.10             | 4.11               | 4.13               |
|                  | 62°F (16.7°C)                                      | 48147                               | 47184            | 46949            | 46761              | 46340              | 3.87                   | 3.90             | 3.91             | 3.92               | 3.93               |
|                  | 64.4°F (18.0°C)                                    | 46928                               | 45989            | 45759            | 45576              | 45166              | 3.72                   | 3.75             | 3.76             | 3.76               | 3.78               |
|                  | 69.8°F (21.0°C)                                    | 44184                               | 43300            | 43083            | 42911              | 42525              | 3.37                   | 3.40             | 3.41             | 3.42               | 3.43               |
|                  | 75.2°F (24.0°C)                                    | 41439                               | 40611            | 40408            | 40246              | 39884              | 3.03                   | 3.05             | 3.06             | 3.07               | 3.08               |
| 1806             | -13°F (-25.0°C)                                    | 28605                               | 28033            | 27893            | 27782              | 27531              | 5.23                   | 5.27             | 5.28             | 5.29               | 5.31               |
|                  | -4°F (-20.0°C)                                     | 33777                               | 33102            | 32936            | 32804              | 32509              | 5.51                   | 5.55             | 5.57             | 5.58               | 5.60               |
|                  | 0°F (-17.8°C)                                      | 35153                               | 34450            | 34278            | 34141              | 33834              | 5.41                   | 5.45             | 5.47             | 5.48               | 5.50               |
|                  | 5°F (-15.0°C)                                      | 36874                               | 36136            | 35956            | 35812              | 35490              | 5.29                   | 5.33             | 5.34             | 5.35               | 5.37               |
|                  | 14°F (-10.0°C)                                     | 41401                               | 40573            | 40370            | 40208              | 39847              | 5.41                   | 5.45             | 5.46             | 5.47               | 5.49               |
|                  | 17°F (-8.3°C)                                      | 42910                               | 42052            | 41841            | 41674              | 41299              | 5.45                   | 5.49             | 5.50             | 5.51               | 5.54               |
|                  | 22°F (-5.6°C)                                      | 45053                               | 44152            | 43931            | 43755              | 43362              | 5.50                   | 5.54             | 5.55             | 5.56               | 5.59               |
|                  | 27°F (-2.8°C)                                      | 47196                               | 46252            | 46021            | 45837              | 45424              | 5.54                   | 5.59             | 5.60             | 5.61               | 5.63               |
|                  | 32°F (0.0°C)                                       | 49339                               | 48353            | 48111            | 47918              | 47487              | 5.59                   | 5.64             | 5.65             | 5.66               | 5.68               |
|                  | 35°F (1.7°C)                                       | 50625                               | 49613            | 49365            | 49167              | 48725              | 5.62                   | 5.67             | 5.68             | 5.69               | 5.71               |
|                  | 37°F (2.8°C)                                       | 52487                               | 51437            | 51180            | 50975              | 50517              | 5.56                   | 5.60             | 5.61             | 5.63               | 5.65               |
|                  | 42°F (5.6°C)                                       | 57141                               | 55998            | 55718            | 55495              | 54996              | 5.40                   | 5.45             | 5.46             | 5.47               | 5.49               |
|                  | 44.6°F (7.0°C)                                     | 59002                               | 57822            | 57533            | 57303              | 56787              | 5.34                   | 5.38             | 5.39             | 5.40               | 5.43               |
|                  | 47°F (8.3°C)                                       | 61795                               | 60559            | 60256            | 60015              | 59475              | 5.25                   | 5.29             | 5.30             | 5.31               | 5.33               |
|                  | 52°F (11.1°C)                                      | 58979                               | 57800            | 57511            | 57281              | 56765              | 4.90                   | 4.94             | 4.95             | 4.96               | 4.98               |
|                  | 57°F (13.9°C)                                      | 56164                               | 55041            | 54765            | 54546              | 54055              | 4.55                   | 4.59             | 4.60             | 4.61               | 4.63               |
|                  | 59°F (15.0°C)                                      | 55038                               | 53937            | 53667            | 53453              | 52971              | 4.41                   | 4.45             | 4.46             | 4.47               | 4.49               |
|                  | 62°F (16.7°C)                                      | 53348                               | 52281            | 52020            | 51812              | 51346              | 4.21                   | 4.24             | 4.25             | 4.26               | 4.28               |
|                  | 64.4°F (18.0°C)                                    | 51997                               | 50957            | 50702            | 50500              | 50045              | 4.04                   | 4.07             | 4.08             | 4.09               | 4.11               |
|                  | 69.8°F (21.0°C)                                    | 48956                               | 47977            | 47737            | 47546              | 47119              | 3.67                   | 3.70             | 3.70             | 3.71               | 3.73               |
|                  | 75.2°F (24.0°C)                                    | 45916                               | 44997            | 44772            | 44593              | 44192              | 3.29                   | 3.32             | 3.33             | 3.33               | 3.35               |

Table 20 – 36K Heating — 37MBRA + 45MBCA

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 753              | -13°F (-25.0°C)                                    | 13916                               | 13637            | 13569            | 13249              | 13130              | 2.50                   | 2.52             | 2.53             | 2.53               | 2.54               |
|                  | -4°F (-20.0°C)                                     | 17542                               | 17191            | 17105            | 16702              | 16552              | 2.70                   | 2.72             | 2.72             | 2.73               | 2.74               |
|                  | 0°F (-17.8°C)                                      | 19716                               | 19322            | 19225            | 18772              | 18603              | 2.74                   | 2.77             | 2.77             | 2.78               | 2.79               |
|                  | 5°F (-15.0°C)                                      | 22434                               | 21985            | 21875            | 21359              | 21167              | 2.80                   | 2.83             | 2.83             | 2.84               | 2.85               |
|                  | 14°F (-10.0°C)                                     | 23383                               | 22915            | 22800            | 22263              | 22062              | 2.90                   | 2.93             | 2.93             | 2.94               | 2.95               |
|                  | 17°F (-8.3°C)                                      | 23699                               | 23225            | 23109            | 22564              | 22361              | 2.94                   | 2.96             | 2.97             | 2.97               | 2.98               |
|                  | 22°F (-5.6°C)                                      | 24506                               | 24016            | 23895            | 23332              | 23122              | 2.87                   | 2.90             | 2.90             | 2.91               | 2.92               |
|                  | 27°F (-2.8°C)                                      | 25312                               | 24806            | 24682            | 24100              | 23883              | 2.81                   | 2.83             | 2.84             | 2.84               | 2.86               |
|                  | 32°F (0.0°C)                                       | 26119                               | 25597            | 25469            | 24868              | 24645              | 2.75                   | 2.77             | 2.78             | 2.78               | 2.79               |
|                  | 35°F (1.7°C)                                       | 26603                               | 26071            | 25941            | 25329              | 25101              | 2.71                   | 2.73             | 2.74             | 2.74               | 2.75               |
|                  | 37°F (2.8°C)                                       | 28143                               | 27580            | 27443            | 26796              | 26554              | 2.73                   | 2.75             | 2.76             | 2.76               | 2.77               |
|                  | 42°F (5.6°C)                                       | 31993                               | 31354            | 31197            | 30461              | 30187              | 2.78                   | 2.80             | 2.81             | 2.82               | 2.83               |
|                  | 44.6°F (7.0°C)                                     | 33533                               | 32863            | 32698            | 31928              | 31640              | 2.80                   | 2.83             | 2.83             | 2.84               | 2.85               |
|                  | 47°F (8.3°C)                                       | 35843                               | 35127            | 34951            | 34127              | 33820              | 2.83                   | 2.86             | 2.86             | 2.87               | 2.88               |
|                  | 52°F (11.1°C)                                      | 35485                               | 34776            | 34602            | 33786              | 33482              | 2.65                   | 2.68             | 2.68             | 2.69               | 2.70               |
|                  | 57°F (13.9°C)                                      | 35127                               | 34425            | 34253            | 33445              | 33144              | 2.48                   | 2.50             | 2.50             | 2.51               | 2.52               |
|                  | 59°F (15.0°C)                                      | 34984                               | 34284            | 34113            | 33309              | 33009              | 2.40                   | 2.42             | 2.43             | 2.43               | 2.44               |
|                  | 62°F (16.7°C)                                      | 34769                               | 34074            | 33903            | 33104              | 32806              | 2.30                   | 2.32             | 2.32             | 2.33               | 2.33               |
|                  | 64.4°F (18.0°C)                                    | 34597                               | 33905            | 33736            | 32940              | 32644              | 2.21                   | 2.23             | 2.23             | 2.24               | 2.25               |
|                  | 69.8°F (21.0°C)                                    | 34211                               | 33526            | 33359            | 32572              | 32279              | 2.02                   | 2.04             | 2.04             | 2.04               | 2.05               |
|                  | 75.2°F (24.0°C)                                    | 33824                               | 33147            | 32982            | 32204              | 31914              | 1.83                   | 1.84             | 1.84             | 1.85               | 1.86               |
| 853              | -13°F (-25.0°C)                                    | 14853                               | 14556            | 14483            | 14283              | 14154              | 2.94                   | 2.97             | 2.97             | 2.98               | 2.99               |
|                  | -4°F (-20.0°C)                                     | 18724                               | 18349            | 18258            | 18005              | 17843              | 3.17                   | 3.20             | 3.20             | 3.21               | 3.22               |
|                  | 0°F (-17.8°C)                                      | 21044                               | 20623            | 20520            | 20236              | 20054              | 3.23                   | 3.25             | 3.26             | 3.27               | 3.28               |
|                  | 5°F (-15.0°C)                                      | 23945                               | 23466            | 23349            | 23026              | 22818              | 3.30                   | 3.33             | 3.33             | 3.34               | 3.35               |
|                  | 14°F (-10.0°C)                                     | 24958                               | 24458            | 24336            | 23999              | 23783              | 3.42                   | 3.44             | 3.45             | 3.46               | 3.47               |
|                  | 17°F (-8.3°C)                                      | 25295                               | 24789            | 24665            | 24324              | 24105              | 3.45                   | 3.48             | 3.49             | 3.50               | 3.51               |
|                  | 22°F (-5.6°C)                                      | 26156                               | 25633            | 25505            | 25152              | 24926              | 3.38                   | 3.41             | 3.41             | 3.42               | 3.43               |
|                  | 27°F (-2.8°C)                                      | 27017                               | 26477            | 26345            | 25980              | 25746              | 3.31                   | 3.33             | 3.34             | 3.35               | 3.36               |
|                  | 32°F (0.0°C)                                       | 27879                               | 27321            | 27184            | 26808              | 26567              | 3.23                   | 3.26             | 3.27             | 3.27               | 3.28               |
|                  | 35°F (1.7°C)                                       | 28395                               | 27827            | 27688            | 27305              | 27059              | 3.19                   | 3.21             | 3.22             | 3.23               | 3.24               |
|                  | 37°F (2.8°C)                                       | 30039                               | 29438            | 29291            | 28886              | 28626              | 3.21                   | 3.24             | 3.24             | 3.25               | 3.26               |
|                  | 42°F (5.6°C)                                       | 34148                               | 33465            | 33298            | 32837              | 32542              | 3.27                   | 3.30             | 3.31             | 3.31               | 3.33               |
|                  | 44.6°F (7.0°C)                                     | 35792                               | 35076            | 34901            | 34418              | 34108              | 3.30                   | 3.32             | 3.33             | 3.34               | 3.35               |
|                  | 47°F (8.3°C)                                       | 38258                               | 37493            | 37305            | 36789              | 36458              | 3.33                   | 3.36             | 3.37             | 3.37               | 3.39               |
|                  | 52°F (11.1°C)                                      | 37876                               | 37118            | 36932            | 36421              | 36094              | 3.12                   | 3.15             | 3.15             | 3.16               | 3.17               |
|                  | 57°F (13.9°C)                                      | 37493                               | 36743            | 36560            | 36054              | 35729              | 2.91                   | 2.94             | 2.94             | 2.95               | 2.96               |
|                  | 59°F (15.0°C)                                      | 37340                               | 36594            | 36411            | 35907              | 35584              | 2.83                   | 2.85             | 2.86             | 2.86               | 2.88               |
|                  | 62°F (16.7°C)                                      | 37111                               | 36369            | 36187            | 35686              | 35365              | 2.70                   | 2.73             | 2.73             | 2.74               | 2.75               |
|                  | 64.4°F (18.0°C)                                    | 36928                               | 36189            | 36008            | 35510              | 35190              | 2.60                   | 2.62             | 2.63             | 2.63               | 2.64               |
|                  | 69.8°F (21.0°C)                                    | 36515                               | 35785            | 35606            | 35113              | 34797              | 2.38                   | 2.39             | 2.40             | 2.40               | 2.41               |
|                  | 75.2°F (24.0°C)                                    | 36102                               | 35380            | 35203            | 34716              | 34404              | 2.15                   | 2.17             | 2.17             | 2.17               | 2.18               |

Table 20 – 36K Heating — 37MBRA + 45MBCA (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 947              | -13°F (-25.0°C)                                    | 15853                               | 15536            | 15459            | 15397              | 15258              | 3.10                   | 3.12             | 3.13             | 3.14               | 3.15               |
|                  | -4°F (-20.0°C)                                     | 19985                               | 19585            | 19487            | 19409              | 19235              | 3.34                   | 3.36             | 3.37             | 3.38               | 3.39               |
|                  | 0°F (-17.8°C)                                      | 22462                               | 22013            | 21902            | 21815              | 21619              | 3.40                   | 3.43             | 3.43             | 3.44               | 3.45               |
|                  | 5°F (-15.0°C)                                      | 25558                               | 25047            | 24921            | 24822              | 24598              | 3.47                   | 3.50             | 3.51             | 3.52               | 3.53               |
|                  | 14°F (-10.0°C)                                     | 26639                               | 26106            | 25975            | 25871              | 25639              | 3.60                   | 3.62             | 3.63             | 3.64               | 3.65               |
|                  | 17°F (-8.3°C)                                      | 26999                               | 26459            | 26327            | 26221              | 25985              | 3.64                   | 3.67             | 3.67             | 3.68               | 3.69               |
|                  | 22°F (-5.6°C)                                      | 27918                               | 27360            | 27223            | 27114              | 26870              | 3.56                   | 3.59             | 3.59             | 3.60               | 3.62               |
|                  | 27°F (-2.8°C)                                      | 28837                               | 28261            | 28119            | 28007              | 27755              | 3.48                   | 3.51             | 3.52             | 3.52               | 3.54               |
|                  | 32°F (0.0°C)                                       | 29756                               | 29161            | 29016            | 28899              | 28639              | 3.40                   | 3.43             | 3.44             | 3.44               | 3.46               |
|                  | 35°F (1.7°C)                                       | 30308                               | 29702            | 29553            | 29435              | 29170              | 3.36                   | 3.38             | 3.39             | 3.40               | 3.41               |
|                  | 37°F (2.8°C)                                       | 32062                               | 31421            | 31264            | 31139              | 30859              | 3.38                   | 3.41             | 3.42             | 3.42               | 3.44               |
|                  | 42°F (5.6°C)                                       | 36449                               | 35720            | 35541            | 35399              | 35080              | 3.45                   | 3.47             | 3.48             | 3.49               | 3.50               |
|                  | 44.6°F (7.0°C)                                     | 38203                               | 37439            | 37252            | 37103              | 36769              | 3.47                   | 3.50             | 3.51             | 3.51               | 3.53               |
|                  | 47°F (8.3°C)                                       | 40835                               | 40018            | 39818            | 39659              | 39302              | 3.51                   | 3.54             | 3.54             | 3.55               | 3.57               |
|                  | 52°F (11.1°C)                                      | 40427                               | 39618            | 39420            | 39262              | 38909              | 3.29                   | 3.31             | 3.32             | 3.33               | 3.34               |
|                  | 57°F (13.9°C)                                      | 40019                               | 39218            | 39022            | 38866              | 38516              | 3.07                   | 3.09             | 3.10             | 3.10               | 3.12               |
|                  | 59°F (15.0°C)                                      | 39856                               | 39059            | 38863            | 38708              | 38359              | 2.98                   | 3.00             | 3.01             | 3.01               | 3.03               |
|                  | 62°F (16.7°C)                                      | 39611                               | 38819            | 38625            | 38470              | 38124              | 2.85                   | 2.87             | 2.87             | 2.88               | 2.89               |
|                  | 64.4°F (18.0°C)                                    | 39415                               | 38627            | 38434            | 38280              | 37935              | 2.74                   | 2.76             | 2.77             | 2.77               | 2.78               |
|                  | 69.8°F (21.0°C)                                    | 38975                               | 38195            | 38004            | 37852              | 37511              | 2.50                   | 2.52             | 2.53             | 2.53               | 2.54               |
|                  | 75.2°F (24.0°C)                                    | 38534                               | 37763            | 37574            | 37424              | 37087              | 2.26                   | 2.28             | 2.28             | 2.29               | 2.30               |
| 1041             | -13°F (-25.0°C)                                    | 16921                               | 16583            | 16500            | 16434              | 16286              | 3.13                   | 3.15             | 3.16             | 3.17               | 3.18               |
|                  | -4°F (-20.0°C)                                     | 21331                               | 20905            | 20800            | 20717              | 20530              | 3.37                   | 3.40             | 3.41             | 3.41               | 3.43               |
|                  | 0°F (-17.8°C)                                      | 23975                               | 23495            | 23378            | 23284              | 23075              | 3.43                   | 3.46             | 3.47             | 3.47               | 3.49               |
|                  | 5°F (-15.0°C)                                      | 27279                               | 26734            | 26600            | 26494              | 26255              | 3.51                   | 3.54             | 3.54             | 3.55               | 3.57               |
|                  | 14°F (-10.0°C)                                     | 28433                               | 27864            | 27725            | 27614              | 27366              | 3.63                   | 3.66             | 3.67             | 3.68               | 3.69               |
|                  | 17°F (-8.3°C)                                      | 28818                               | 28241            | 28100            | 27988              | 27736              | 3.67                   | 3.70             | 3.71             | 3.72               | 3.73               |
|                  | 22°F (-5.6°C)                                      | 29799                               | 29203            | 29057            | 28940              | 28680              | 3.59                   | 3.62             | 3.63             | 3.64               | 3.65               |
|                  | 27°F (-2.8°C)                                      | 30780                               | 30164            | 30013            | 29893              | 29624              | 3.52                   | 3.54             | 3.55             | 3.56               | 3.57               |
|                  | 32°F (0.0°C)                                       | 31761                               | 31126            | 30970            | 30846              | 30568              | 3.44                   | 3.46             | 3.47             | 3.48               | 3.49               |
|                  | 35°F (1.7°C)                                       | 32349                               | 31702            | 31544            | 31418              | 31135              | 3.39                   | 3.42             | 3.42             | 3.43               | 3.44               |
|                  | 37°F (2.8°C)                                       | 34222                               | 33538            | 33370            | 33236              | 32937              | 3.42                   | 3.44             | 3.45             | 3.46               | 3.47               |
|                  | 42°F (5.6°C)                                       | 38904                               | 38126            | 37935            | 37783              | 37443              | 3.48                   | 3.51             | 3.52             | 3.52               | 3.54               |
|                  | 44.6°F (7.0°C)                                     | 40776                               | 39961            | 39761            | 39602              | 39246              | 3.51                   | 3.53             | 3.54             | 3.55               | 3.56               |
|                  | 47°F (8.3°C)                                       | 43585                               | 42714            | 42500            | 42330              | 41949              | 3.54                   | 3.57             | 3.58             | 3.59               | 3.60               |
|                  | 52°F (11.1°C)                                      | 43150                               | 42287            | 42075            | 41907              | 41530              | 3.32                   | 3.35             | 3.35             | 3.36               | 3.37               |
|                  | 57°F (13.9°C)                                      | 42714                               | 41860            | 41651            | 41484              | 41111              | 3.10                   | 3.12             | 3.13             | 3.14               | 3.15               |
|                  | 59°F (15.0°C)                                      | 42540                               | 41689            | 41481            | 41315              | 40943              | 3.01                   | 3.03             | 3.04             | 3.04               | 3.06               |
|                  | 62°F (16.7°C)                                      | 42279                               | 41433            | 41226            | 41061              | 40692              | 2.87                   | 2.90             | 2.90             | 2.91               | 2.92               |
|                  | 64.4°F (18.0°C)                                    | 42070                               | 41229            | 41022            | 40858              | 40491              | 2.77                   | 2.79             | 2.80             | 2.80               | 2.81               |
|                  | 69.8°F (21.0°C)                                    | 41600                               | 40768            | 40564            | 40402              | 40038              | 2.53                   | 2.55             | 2.55             | 2.56               | 2.57               |
|                  | 75.2°F (24.0°C)                                    | 41130                               | 40307            | 40105            | 39945              | 39585              | 2.28                   | 2.30             | 2.31             | 2.31               | 2.32               |

Table 21 – 48K Heating — 37MBRA + 45MBCA

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 753              | -13°F (-25.0°C)                                    | 21374                               | 20946            | 20842            | 20557              | 20372              | 3.69                   | 3.72             | 3.73             | 3.74               | 3.75               |
|                  | -4°F (-20.0°C)                                     | 27118                               | 26576            | 26443            | 26082              | 25847              | 4.11                   | 4.15             | 4.16             | 4.16               | 4.18               |
|                  | 0°F (-17.8°C)                                      | 30272                               | 29667            | 29519            | 29115              | 28853              | 4.26                   | 4.30             | 4.31             | 4.32               | 4.33               |
|                  | 5°F (-15.0°C)                                      | 34215                               | 33531            | 33363            | 32907              | 32611              | 4.45                   | 4.49             | 4.50             | 4.51               | 4.52               |
|                  | 14°F (-10.0°C)                                     | 36813                               | 36076            | 35896            | 35405              | 35087              | 4.77                   | 4.81             | 4.82             | 4.83               | 4.85               |
|                  | 17°F (-8.3°C)                                      | 37679                               | 36925            | 36740            | 36238              | 35912              | 4.88                   | 4.92             | 4.93             | 4.94               | 4.96               |
|                  | 22°F (-5.6°C)                                      | 38340                               | 37573            | 37385            | 36874              | 36542              | 4.79                   | 4.83             | 4.84             | 4.85               | 4.87               |
|                  | 27°F (-2.8°C)                                      | 39001                               | 38221            | 38029            | 37510              | 37172              | 4.70                   | 4.74             | 4.75             | 4.76               | 4.78               |
|                  | 32°F (0.0°C)                                       | 39662                               | 38868            | 38674            | 38145              | 37802              | 4.62                   | 4.65             | 4.66             | 4.67               | 4.69               |
|                  | 35°F (1.7°C)                                       | 40058                               | 39257            | 39061            | 38527              | 38180              | 4.56                   | 4.60             | 4.61             | 4.62               | 4.64               |
|                  | 37°F (2.8°C)                                       | 42112                               | 41269            | 41063            | 40502              | 40137              | 4.59                   | 4.62             | 4.63             | 4.64               | 4.66               |
|                  | 42°F (5.6°C)                                       | 47245                               | 46300            | 46069            | 45439              | 45030              | 4.64                   | 4.68             | 4.69             | 4.70               | 4.72               |
|                  | 44.6°F (7.0°C)                                     | 49298                               | 48312            | 48071            | 47414              | 46987              | 4.67                   | 4.70             | 4.71             | 4.72               | 4.74               |
|                  | 47°F (8.3°C)                                       | 52378                               | 51331            | 51074            | 50376              | 49923              | 4.70                   | 4.74             | 4.75             | 4.76               | 4.78               |
|                  | 52°F (11.1°C)                                      | 50419                               | 49411            | 49164            | 48492              | 48056              | 4.16                   | 4.19             | 4.20             | 4.21               | 4.22               |
|                  | 57°F (13.9°C)                                      | 48460                               | 47491            | 47254            | 46608              | 46188              | 3.61                   | 3.64             | 3.65             | 3.65               | 3.67               |
|                  | 59°F (15.0°C)                                      | 47677                               | 46723            | 46489            | 45854              | 45441              | 3.39                   | 3.42             | 3.43             | 3.43               | 3.45               |
|                  | 62°F (16.7°C)                                      | 46501                               | 45571            | 45343            | 44724              | 44321              | 3.06                   | 3.09             | 3.10             | 3.10               | 3.11               |
|                  | 64.4°F (18.0°C)                                    | 45561                               | 44650            | 44426            | 43819              | 43425              | 2.80                   | 2.83             | 2.83             | 2.84               | 2.85               |
|                  | 69.8°F (21.0°C)                                    | 43445                               | 42576            | 42363            | 41784              | 41408              | 2.21                   | 2.23             | 2.24             | 2.24               | 2.25               |
|                  | 75.2°F (24.0°C)                                    | 41329                               | 40503            | 40300            | 39749              | 39392              | 1.62                   | 1.64             | 1.64             | 1.64               | 1.65               |
| 853              | -13°F (-25.0°C)                                    | 22801                               | 22344            | 22233            | 22036              | 21838              | 4.34                   | 4.38             | 4.39             | 4.39               | 4.41               |
|                  | -4°F (-20.0°C)                                     | 28929                               | 28350            | 28208            | 27959              | 27707              | 4.84                   | 4.88             | 4.89             | 4.90               | 4.92               |
|                  | 0°F (-17.8°C)                                      | 32293                               | 31647            | 31489            | 31211              | 30930              | 5.02                   | 5.06             | 5.07             | 5.08               | 5.10               |
|                  | 5°F (-15.0°C)                                      | 36499                               | 35769            | 35590            | 35275              | 34958              | 5.24                   | 5.28             | 5.29             | 5.30               | 5.32               |
|                  | 14°F (-10.0°C)                                     | 39270                               | 38485            | 38292            | 37954              | 37612              | 5.62                   | 5.66             | 5.67             | 5.68               | 5.71               |
|                  | 17°F (-8.3°C)                                      | 40194                               | 39390            | 39193            | 38846              | 38497              | 5.74                   | 5.79             | 5.80             | 5.81               | 5.83               |
|                  | 22°F (-5.6°C)                                      | 40899                               | 40081            | 39880            | 39528              | 39172              | 5.64                   | 5.68             | 5.69             | 5.71               | 5.73               |
|                  | 27°F (-2.8°C)                                      | 41604                               | 40772            | 40568            | 40209              | 39847              | 5.53                   | 5.58             | 5.59             | 5.60               | 5.62               |
|                  | 32°F (0.0°C)                                       | 42309                               | 41463            | 41256            | 40891              | 40523              | 5.43                   | 5.47             | 5.49             | 5.50               | 5.52               |
|                  | 35°F (1.7°C)                                       | 42732                               | 41877            | 41668            | 41299              | 40928              | 5.37                   | 5.41             | 5.42             | 5.43               | 5.46               |
|                  | 37°F (2.8°C)                                       | 44923                               | 44024            | 43804            | 43417              | 43026              | 5.40                   | 5.44             | 5.45             | 5.46               | 5.48               |
|                  | 42°F (5.6°C)                                       | 50399                               | 49391            | 49144            | 48709              | 48271              | 5.46                   | 5.51             | 5.52             | 5.53               | 5.55               |
|                  | 44.6°F (7.0°C)                                     | 52589                               | 51537            | 51280            | 50826              | 50369              | 5.49                   | 5.53             | 5.55             | 5.56               | 5.58               |
|                  | 47°F (8.3°C)                                       | 55875                               | 54757            | 54483            | 54002              | 53516              | 5.53                   | 5.58             | 5.59             | 5.60               | 5.62               |
|                  | 52°F (11.1°C)                                      | 53785                               | 52709            | 52446            | 51982              | 51514              | 4.89                   | 4.93             | 4.94             | 4.95               | 4.97               |
|                  | 57°F (13.9°C)                                      | 51695                               | 50661            | 50408            | 49962              | 49512              | 4.25                   | 4.28             | 4.29             | 4.30               | 4.32               |
|                  | 59°F (15.0°C)                                      | 50859                               | 49842            | 49593            | 49154              | 48712              | 3.99                   | 4.02             | 4.03             | 4.04               | 4.05               |
|                  | 62°F (16.7°C)                                      | 49605                               | 48613            | 48370            | 47942              | 47511              | 3.61                   | 3.63             | 3.64             | 3.65               | 3.66               |
|                  | 64.4°F (18.0°C)                                    | 48602                               | 47630            | 47392            | 46973              | 46550              | 3.30                   | 3.32             | 3.33             | 3.34               | 3.35               |
|                  | 69.8°F (21.0°C)                                    | 46345                               | 45418            | 45191            | 44791              | 44388              | 2.60                   | 2.62             | 2.63             | 2.64               | 2.65               |
|                  | 75.2°F (24.0°C)                                    | 44088                               | 43206            | 42990            | 42610              | 42226              | 1.91                   | 1.93             | 1.93             | 1.93               | 1.94               |

Table 21 – 48K Heating — 37MBRA + 45MBCA (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 947              | -13°F (-25.0°C)                                    | 24322                               | 23836            | 23717            | 23622              | 23409              | 4.57                   | 4.61             | 4.62             | 4.63               | 4.64               |
|                  | -4°F (-20.0°C)                                     | 30860                               | 30243            | 30091            | 29971              | 29701              | 5.09                   | 5.14             | 5.15             | 5.16               | 5.18               |
|                  | 0°F (-17.8°C)                                      | 34449                               | 33760            | 33591            | 33457              | 33156              | 5.28                   | 5.32             | 5.33             | 5.34               | 5.37               |
|                  | 5°F (-15.0°C)                                      | 38935                               | 38156            | 37966            | 37814              | 37474              | 5.51                   | 5.56             | 5.57             | 5.58               | 5.60               |
|                  | 14°F (-10.0°C)                                     | 41891                               | 41054            | 40848            | 40685              | 40319              | 5.91                   | 5.96             | 5.97             | 5.98               | 6.01               |
|                  | 17°F (-8.3°C)                                      | 42877                               | 42019            | 41809            | 41642              | 41267              | 6.04                   | 6.09             | 6.10             | 6.12               | 6.14               |
|                  | 22°F (-5.6°C)                                      | 43629                               | 42756            | 42543            | 42372              | 41991              | 5.93                   | 5.98             | 5.99             | 6.01               | 6.03               |
|                  | 27°F (-2.8°C)                                      | 44381                               | 43493            | 43276            | 43103              | 42715              | 5.83                   | 5.87             | 5.88             | 5.90               | 5.92               |
|                  | 32°F (0.0°C)                                       | 45133                               | 44231            | 44009            | 43833              | 43439              | 5.72                   | 5.76             | 5.77             | 5.79               | 5.81               |
|                  | 35°F (1.7°C)                                       | 45585                               | 44673            | 44449            | 44272              | 43873              | 5.65                   | 5.70             | 5.71             | 5.72               | 5.74               |
|                  | 37°F (2.8°C)                                       | 47921                               | 46963            | 46728            | 46541              | 46122              | 5.68                   | 5.73             | 5.74             | 5.75               | 5.77               |
|                  | 42°F (5.6°C)                                       | 53763                               | 52688            | 52424            | 52214              | 51745              | 5.75                   | 5.80             | 5.81             | 5.82               | 5.84               |
|                  | 44.6°F (7.0°C)                                     | 56100                               | 54978            | 54703            | 54484              | 53993              | 5.78                   | 5.83             | 5.84             | 5.85               | 5.87               |
|                  | 47°F (8.3°C)                                       | 59605                               | 58412            | 58120            | 57888              | 57367              | 5.82                   | 5.87             | 5.88             | 5.89               | 5.92               |
|                  | 52°F (11.1°C)                                      | 57375                               | 56228            | 55947            | 55723              | 55221              | 5.15                   | 5.19             | 5.20             | 5.21               | 5.23               |
|                  | 57°F (13.9°C)                                      | 55146                               | 54043            | 53773            | 53558              | 53076              | 4.47                   | 4.51             | 4.52             | 4.52               | 4.54               |
|                  | 59°F (15.0°C)                                      | 54254                               | 53169            | 52903            | 52692              | 52217              | 4.20                   | 4.23             | 4.24             | 4.25               | 4.27               |
|                  | 62°F (16.7°C)                                      | 52916                               | 51858            | 51599            | 51392              | 50930              | 3.79                   | 3.83             | 3.83             | 3.84               | 3.86               |
|                  | 64.4°F (18.0°C)                                    | 51846                               | 50809            | 50555            | 50353              | 49900              | 3.47                   | 3.50             | 3.51             | 3.51               | 3.53               |
|                  | 69.8°F (21.0°C)                                    | 49439                               | 48450            | 48208            | 48015              | 47583              | 2.74                   | 2.76             | 2.77             | 2.77               | 2.79               |
|                  | 75.2°F (24.0°C)                                    | 47031                               | 46090            | 45860            | 45676              | 45265              | 2.01                   | 2.03             | 2.03             | 2.04               | 2.04               |
| 1041             | -13°F (-25.0°C)                                    | 25946                               | 25427            | 25300            | 25199              | 24972              | 4.62                   | 4.65             | 4.66             | 4.67               | 4.69               |
|                  | -4°F (-20.0°C)                                     | 32920                               | 32261            | 32100            | 31972              | 31684              | 5.15                   | 5.19             | 5.20             | 5.21               | 5.23               |
|                  | 0°F (-17.8°C)                                      | 36748                               | 36013            | 35833            | 35690              | 35369              | 5.33                   | 5.38             | 5.39             | 5.40               | 5.42               |
|                  | 5°F (-15.0°C)                                      | 41534                               | 40704            | 40500            | 40338              | 39975              | 5.57                   | 5.61             | 5.63             | 5.64               | 5.66               |
|                  | 14°F (-10.0°C)                                     | 44688                               | 43794            | 43575            | 43401              | 43010              | 5.97                   | 6.02             | 6.03             | 6.04               | 6.07               |
|                  | 17°F (-8.3°C)                                      | 45739                               | 44824            | 44600            | 44422              | 44022              | 6.10                   | 6.15             | 6.17             | 6.18               | 6.20               |
|                  | 22°F (-5.6°C)                                      | 46541                               | 45610            | 45382            | 45201              | 44794              | 5.99                   | 6.04             | 6.05             | 6.07               | 6.09               |
|                  | 27°F (-2.8°C)                                      | 47344                               | 46397            | 46165            | 45980              | 45566              | 5.88                   | 5.93             | 5.94             | 5.96               | 5.98               |
|                  | 32°F (0.0°C)                                       | 48146                               | 47183            | 46947            | 46759              | 46339              | 5.77                   | 5.82             | 5.83             | 5.84               | 5.87               |
|                  | 35°F (1.7°C)                                       | 48627                               | 47655            | 47417            | 47227              | 46802              | 5.71                   | 5.75             | 5.77             | 5.78               | 5.80               |
|                  | 37°F (2.8°C)                                       | 51120                               | 50098            | 49847            | 49648              | 49201              | 5.74                   | 5.78             | 5.80             | 5.81               | 5.83               |
|                  | 42°F (5.6°C)                                       | 57352                               | 56205            | 55924            | 55700              | 55199              | 5.81                   | 5.86             | 5.87             | 5.88               | 5.90               |
|                  | 44.6°F (7.0°C)                                     | 59844                               | 58647            | 58354            | 58121              | 57598              | 5.84                   | 5.88             | 5.90             | 5.91               | 5.93               |
|                  | 47°F (8.3°C)                                       | 63583                               | 62312            | 62000            | 61752              | 61196              | 5.88                   | 5.93             | 5.94             | 5.95               | 5.98               |
|                  | 52°F (11.1°C)                                      | 61205                               | 59981            | 59681            | 59442              | 58907              | 5.20                   | 5.24             | 5.25             | 5.26               | 5.28               |
|                  | 57°F (13.9°C)                                      | 58827                               | 57650            | 57362            | 57133              | 56618              | 4.52                   | 4.55             | 4.56             | 4.57               | 4.59               |
|                  | 59°F (15.0°C)                                      | 57876                               | 56718            | 56435            | 56209              | 55703              | 4.24                   | 4.28             | 4.29             | 4.29               | 4.31               |
|                  | 62°F (16.7°C)                                      | 56449                               | 55320            | 55043            | 54823              | 54330              | 3.83                   | 3.86             | 3.87             | 3.88               | 3.90               |
|                  | 64.4°F (18.0°C)                                    | 55307                               | 54201            | 53930            | 53714              | 53231              | 3.51                   | 3.53             | 3.54             | 3.55               | 3.56               |
|                  | 69.8°F (21.0°C)                                    | 52739                               | 51684            | 51426            | 51220              | 50759              | 2.77                   | 2.79             | 2.80             | 2.80               | 2.81               |
|                  | 75.2°F (24.0°C)                                    | 50170                               | 49167            | 48921            | 48725              | 48287              | 2.03                   | 2.05             | 2.05             | 2.06               | 2.06               |

Table 22 – 36K RH High Static Heating — 37MBRA + 45MBDA

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 765              | -13°F (-25.0°C)                                    | 12314                               | 12068            | 12008            | 12842              | 12727              | 2.32                   | 2.33             | 2.34             | 2.34               | 2.35               |
|                  | -4°F (-20.0°C)                                     | 15135                               | 14832            | 14758            | 15784              | 15642              | 2.42                   | 2.44             | 2.45             | 2.45               | 2.46               |
|                  | 0°F (-17.8°C)                                      | 16721                               | 16386            | 16304            | 17438              | 17281              | 2.48                   | 2.50             | 2.51             | 2.51               | 2.52               |
|                  | 5°F (-15.0°C)                                      | 18703                               | 18329            | 18237            | 19505              | 19329              | 2.55                   | 2.57             | 2.58             | 2.58               | 2.59               |
|                  | 14°F (-10.0°C)                                     | 21081                               | 20659            | 20556            | 21985              | 21787              | 2.70                   | 2.72             | 2.72             | 2.73               | 2.74               |
|                  | 17°F (-8.3°C)                                      | 21873                               | 21436            | 21328            | 22811              | 22606              | 2.75                   | 2.77             | 2.77             | 2.78               | 2.79               |
|                  | 22°F (-5.6°C)                                      | 23013                               | 22553            | 22440            | 24000              | 23784              | 2.71                   | 2.73             | 2.74             | 2.74               | 2.75               |
|                  | 27°F (-2.8°C)                                      | 24153                               | 23670            | 23551            | 25188              | 24962              | 2.67                   | 2.70             | 2.70             | 2.71               | 2.72               |
|                  | 32°F (0.0°C)                                       | 25292                               | 24787            | 24663            | 26377              | 26140              | 2.64                   | 2.66             | 2.66             | 2.67               | 2.68               |
|                  | 35°F (1.7°C)                                       | 25976                               | 25457            | 25329            | 27090              | 26846              | 2.62                   | 2.64             | 2.64             | 2.65               | 2.66               |
|                  | 37°F (2.8°C)                                       | 26750                               | 26215            | 26084            | 27897              | 27646              | 2.58                   | 2.61             | 2.61             | 2.62               | 2.63               |
|                  | 42°F (5.6°C)                                       | 28685                               | 28111            | 27970            | 29915              | 29646              | 2.50                   | 2.52             | 2.53             | 2.53               | 2.54               |
|                  | 44.6°F (7.0°C)                                     | 29459                               | 28869            | 28725            | 30722              | 30446              | 2.47                   | 2.49             | 2.50             | 2.50               | 2.51               |
|                  | 47°F (8.3°C)                                       | 30619                               | 30007            | 29857            | 31933              | 31645              | 2.42                   | 2.44             | 2.45             | 2.45               | 2.46               |
|                  | 52°F (11.1°C)                                      | 31624                               | 30991            | 30836            | 32980              | 32683              | 2.30                   | 2.32             | 2.32             | 2.33               | 2.34               |
|                  | 57°F (13.9°C)                                      | 32628                               | 31976            | 31816            | 34028              | 33722              | 2.18                   | 2.20             | 2.20             | 2.20               | 2.21               |
|                  | 59°F (15.0°C)                                      | 33030                               | 32370            | 32208            | 34447              | 34137              | 2.13                   | 2.15             | 2.15             | 2.15               | 2.16               |
|                  | 62°F (16.7°C)                                      | 33633                               | 32960            | 32795            | 35075              | 34760              | 2.05                   | 2.07             | 2.07             | 2.08               | 2.09               |
|                  | 64.4°F (18.0°C)                                    | 34115                               | 33433            | 33266            | 35578              | 35258              | 1.99                   | 2.01             | 2.01             | 2.02               | 2.03               |
|                  | 69.8°F (21.0°C)                                    | 31914                               | 31276            | 31119            | 33283              | 32983              | 1.86                   | 1.88             | 1.88             | 1.88               | 1.89               |
|                  | 75.2°F (24.0°C)                                    | 22560                               | 22109            | 21998            | 23528              | 23316              | 1.73                   | 1.74             | 1.75             | 1.75               | 1.76               |
| 941              | -13°F (-25.0°C)                                    | 13943                               | 13664            | 13595            | 14032              | 13906              | 2.57                   | 2.59             | 2.60             | 2.60               | 2.61               |
|                  | -4°F (-20.0°C)                                     | 17136                               | 16793            | 16709            | 17246              | 17091              | 2.69                   | 2.72             | 2.72             | 2.73               | 2.74               |
|                  | 0°F (-17.8°C)                                      | 18932                               | 18553            | 18460            | 19053              | 18881              | 2.76                   | 2.78             | 2.78             | 2.79               | 2.80               |
|                  | 5°F (-15.0°C)                                      | 21176                               | 20752            | 20649            | 21312              | 21120              | 2.83                   | 2.86             | 2.86             | 2.87               | 2.88               |
|                  | 14°F (-10.0°C)                                     | 23868                               | 23391            | 23274            | 24021              | 23805              | 3.00                   | 3.02             | 3.03             | 3.03               | 3.04               |
|                  | 17°F (-8.3°C)                                      | 24765                               | 24270            | 24149            | 24924              | 24700              | 3.05                   | 3.08             | 3.08             | 3.09               | 3.10               |
|                  | 22°F (-5.6°C)                                      | 26056                               | 25535            | 25407            | 26223              | 25987              | 3.01                   | 3.03             | 3.04             | 3.05               | 3.06               |
|                  | 27°F (-2.8°C)                                      | 27346                               | 26799            | 26665            | 27521              | 27274              | 2.97                   | 2.99             | 3.00             | 3.01               | 3.02               |
|                  | 32°F (0.0°C)                                       | 28637                               | 28064            | 27924            | 28820              | 28561              | 2.93                   | 2.95             | 2.96             | 2.97               | 2.98               |
|                  | 35°F (1.7°C)                                       | 29411                               | 28823            | 28679            | 29599              | 29333              | 2.91                   | 2.93             | 2.94             | 2.94               | 2.95               |
|                  | 37°F (2.8°C)                                       | 30287                               | 29681            | 29533            | 30481              | 30207              | 2.87                   | 2.89             | 2.90             | 2.91               | 2.92               |
|                  | 42°F (5.6°C)                                       | 32478                               | 31828            | 31669            | 32686              | 32392              | 2.78                   | 2.80             | 2.81             | 2.82               | 2.83               |
|                  | 44.6°F (7.0°C)                                     | 33354                               | 32687            | 32523            | 33567              | 33265              | 2.75                   | 2.77             | 2.77             | 2.78               | 2.79               |
|                  | 47°F (8.3°C)                                       | 34668                               | 33975            | 33805            | 34890              | 34576              | 2.69                   | 2.72             | 2.72             | 2.73               | 2.74               |
|                  | 52°F (11.1°C)                                      | 35805                               | 35089            | 34914            | 36035              | 35710              | 2.56                   | 2.58             | 2.58             | 2.59               | 2.60               |
|                  | 57°F (13.9°C)                                      | 36943                               | 36204            | 36023            | 37179              | 36845              | 2.42                   | 2.44             | 2.44             | 2.45               | 2.46               |
|                  | 59°F (15.0°C)                                      | 37398                               | 36650            | 36466            | 37637              | 37299              | 2.36                   | 2.38             | 2.39             | 2.39               | 2.40               |
|                  | 62°F (16.7°C)                                      | 38080                               | 37318            | 37132            | 38324              | 37979              | 2.28                   | 2.30             | 2.31             | 2.31               | 2.32               |
|                  | 64.4°F (18.0°C)                                    | 38626                               | 37853            | 37664            | 38873              | 38524              | 2.22                   | 2.23             | 2.24             | 2.24               | 2.25               |
|                  | 69.8°F (21.0°C)                                    | 36134                               | 35411            | 35234            | 36365              | 36038              | 2.07                   | 2.09             | 2.09             | 2.09               | 2.10               |
|                  | 75.2°F (24.0°C)                                    | 25543                               | 25032            | 24907            | 25707              | 25475              | 1.92                   | 1.94             | 1.94             | 1.94               | 1.95               |

Table 22 – 36K RH High Static Heating — 37MBRA + 45MBDA (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1059             | -13°F (-25.0°C)                                    | 15786                               | 15470            | 15393            | 15332              | 15194              | 2.86                   | 2.88             | 2.89             | 2.89               | 2.90               |
|                  | -4°F (-20.0°C)                                     | 19402                               | 19014            | 18919            | 18843              | 18674              | 2.99                   | 3.02             | 3.02             | 3.03               | 3.04               |
|                  | 0°F (-17.8°C)                                      | 21435                               | 21006            | 20901            | 20818              | 20630              | 3.06                   | 3.09             | 3.09             | 3.10               | 3.11               |
|                  | 5°F (-15.0°C)                                      | 23976                               | 23496            | 23379            | 23285              | 23076              | 3.15                   | 3.17             | 3.18             | 3.19               | 3.20               |
|                  | 14°F (-10.0°C)                                     | 27024                               | 26483            | 26351            | 26246              | 26009              | 3.33                   | 3.36             | 3.36             | 3.37               | 3.38               |
|                  | 17°F (-8.3°C)                                      | 28040                               | 27479            | 27342            | 27232              | 26987              | 3.39                   | 3.42             | 3.42             | 3.43               | 3.44               |
|                  | 22°F (-5.6°C)                                      | 29501                               | 28911            | 28766            | 28651              | 28394              | 3.35                   | 3.37             | 3.38             | 3.39               | 3.40               |
|                  | 27°F (-2.8°C)                                      | 30962                               | 30343            | 30191            | 30070              | 29800              | 3.30                   | 3.33             | 3.33             | 3.34               | 3.35               |
|                  | 32°F (0.0°C)                                       | 32423                               | 31775            | 31616            | 31489              | 31206              | 3.26                   | 3.28             | 3.29             | 3.30               | 3.31               |
|                  | 35°F (1.7°C)                                       | 33300                               | 32634            | 32471            | 32341              | 32050              | 3.23                   | 3.26             | 3.26             | 3.27               | 3.28               |
|                  | 37°F (2.8°C)                                       | 34292                               | 33606            | 33438            | 33304              | 33005              | 3.19                   | 3.22             | 3.22             | 3.23               | 3.24               |
|                  | 42°F (5.6°C)                                       | 36772                               | 36037            | 35856            | 35713              | 35392              | 3.09                   | 3.12             | 3.12             | 3.13               | 3.14               |
|                  | 44.6°F (7.0°C)                                     | 37764                               | 37009            | 36824            | 36677              | 36346              | 3.05                   | 3.08             | 3.08             | 3.09               | 3.10               |
|                  | 47°F (8.3°C)                                       | 39252                               | 38467            | 38275            | 38122              | 37779              | 2.99                   | 3.02             | 3.02             | 3.03               | 3.04               |
|                  | 52°F (11.1°C)                                      | 40540                               | 39729            | 39530            | 39372              | 39018              | 2.84                   | 2.86             | 2.87             | 2.87               | 2.89               |
|                  | 57°F (13.9°C)                                      | 41828                               | 40991            | 40786            | 40623              | 40257              | 2.69                   | 2.71             | 2.72             | 2.72               | 2.73               |
|                  | 59°F (15.0°C)                                      | 42343                               | 41496            | 41288            | 41123              | 40753              | 2.63                   | 2.65             | 2.65             | 2.66               | 2.67               |
|                  | 62°F (16.7°C)                                      | 43115                               | 42253            | 42042            | 41874              | 41497              | 2.54                   | 2.56             | 2.56             | 2.57               | 2.58               |
|                  | 64.4°F (18.0°C)                                    | 43733                               | 42859            | 42644            | 42474              | 42092              | 2.46                   | 2.48             | 2.49             | 2.49               | 2.50               |
|                  | 69.8°F (21.0°C)                                    | 40912                               | 40094            | 39893            | 39734              | 39376              | 2.30                   | 2.32             | 2.32             | 2.33               | 2.34               |
|                  | 75.2°F (24.0°C)                                    | 28921                               | 28342            | 28201            | 28088              | 27835              | 2.13                   | 2.15             | 2.16             | 2.16               | 2.17               |
| 1235             | -13°F (-25.0°C)                                    | 17874                               | 17516            | 17428            | 17359              | 17203              | 3.18                   | 3.20             | 3.21             | 3.21               | 3.23               |
|                  | -4°F (-20.0°C)                                     | 21968                               | 21528            | 21421            | 21335              | 21143              | 3.33                   | 3.35             | 3.36             | 3.37               | 3.38               |
|                  | 0°F (-17.8°C)                                      | 24269                               | 23784            | 23665            | 23570              | 23358              | 3.40                   | 3.43             | 3.44             | 3.44               | 3.46               |
|                  | 5°F (-15.0°C)                                      | 27146                               | 26603            | 26470            | 26364              | 26127              | 3.50                   | 3.53             | 3.53             | 3.54               | 3.55               |
|                  | 14°F (-10.0°C)                                     | 30597                               | 29985            | 29835            | 29716              | 29449              | 3.70                   | 3.73             | 3.74             | 3.74               | 3.76               |
|                  | 17°F (-8.3°C)                                      | 31748                               | 31113            | 30957            | 30833              | 30556              | 3.77                   | 3.80             | 3.80             | 3.81               | 3.83               |
|                  | 22°F (-5.6°C)                                      | 33402                               | 32734            | 32570            | 32440              | 32148              | 3.72                   | 3.75             | 3.75             | 3.76               | 3.78               |
|                  | 27°F (-2.8°C)                                      | 35056                               | 34355            | 34183            | 34047              | 33740              | 3.67                   | 3.70             | 3.70             | 3.71               | 3.73               |
|                  | 32°F (0.0°C)                                       | 36711                               | 35976            | 35796            | 35653              | 35332              | 3.62                   | 3.65             | 3.65             | 3.66               | 3.68               |
|                  | 35°F (1.7°C)                                       | 37703                               | 36949            | 36764            | 36617              | 36288              | 3.59                   | 3.62             | 3.63             | 3.63               | 3.65               |
|                  | 37°F (2.8°C)                                       | 38826                               | 38050            | 37860            | 37708              | 37369              | 3.54                   | 3.57             | 3.58             | 3.59               | 3.60               |
|                  | 42°F (5.6°C)                                       | 41634                               | 40802            | 40598            | 40435              | 40071              | 3.44                   | 3.46             | 3.47             | 3.48               | 3.49               |
|                  | 44.6°F (7.0°C)                                     | 42758                               | 41902            | 41693            | 41526              | 41152              | 3.39                   | 3.42             | 3.43             | 3.43               | 3.45               |
|                  | 47°F (8.3°C)                                       | 44442                               | 43554            | 43336            | 43162              | 42774              | 3.33                   | 3.35             | 3.36             | 3.37               | 3.38               |
|                  | 52°F (11.1°C)                                      | 45900                               | 44982            | 44757            | 44578              | 44177              | 3.16                   | 3.18             | 3.19             | 3.19               | 3.21               |
|                  | 57°F (13.9°C)                                      | 47358                               | 46411            | 46179            | 45994              | 45580              | 2.99                   | 3.01             | 3.02             | 3.02               | 3.04               |
|                  | 59°F (15.0°C)                                      | 47942                               | 46983            | 46748            | 46561              | 46142              | 2.92                   | 2.94             | 2.95             | 2.95               | 2.97               |
|                  | 62°F (16.7°C)                                      | 48816                               | 47840            | 47601            | 47410              | 46984              | 2.82                   | 2.84             | 2.85             | 2.85               | 2.86               |
|                  | 64.4°F (18.0°C)                                    | 49516                               | 48526            | 48283            | 48090              | 47657              | 2.74                   | 2.76             | 2.76             | 2.77               | 2.78               |
|                  | 69.8°F (21.0°C)                                    | 46321                               | 45395            | 45168            | 44987              | 44582              | 2.55                   | 2.57             | 2.58             | 2.58               | 2.59               |
|                  | 75.2°F (24.0°C)                                    | 32745                               | 32090            | 31929            | 31802              | 31516              | 2.37                   | 2.39             | 2.39             | 2.40               | 2.41               |

Table 23 – 48K RH High Static Heating — 37MBRA + 45MBDA

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1059             | -13°F (-25.0°C)                                    | 22140                               | 21697            | 21589            | 20887              | 20699              | 3.44                   | 3.46             | 3.47             | 3.48               | 3.49               |
|                  | -4°F (-20.0°C)                                     | 26233                               | 25708            | 25580            | 24749              | 24526              | 3.64                   | 3.67             | 3.67             | 3.68               | 3.70               |
|                  | 0°F (-17.8°C)                                      | 28526                               | 27956            | 27816            | 26913              | 26671              | 3.76                   | 3.79             | 3.80             | 3.80               | 3.82               |
|                  | 5°F (-15.0°C)                                      | 31393                               | 30765            | 30611            | 29617              | 29351              | 3.91                   | 3.94             | 3.95             | 3.95               | 3.97               |
|                  | 14°F (-10.0°C)                                     | 35582                               | 34870            | 34696            | 33569              | 33267              | 4.11                   | 4.14             | 4.15             | 4.16               | 4.17               |
|                  | 17°F (-8.3°C)                                      | 36978                               | 36238            | 36057            | 34886              | 34572              | 4.18                   | 4.21             | 4.22             | 4.23               | 4.24               |
|                  | 22°F (-5.6°C)                                      | 39229                               | 38445            | 38252            | 37010              | 36677              | 4.20                   | 4.23             | 4.24             | 4.25               | 4.27               |
|                  | 27°F (-2.8°C)                                      | 41480                               | 40651            | 40448            | 39134              | 38782              | 4.22                   | 4.26             | 4.27             | 4.27               | 4.29               |
|                  | 32°F (0.0°C)                                       | 43732                               | 42857            | 42643            | 41258              | 40887              | 4.25                   | 4.28             | 4.29             | 4.30               | 4.32               |
|                  | 35°F (1.7°C)                                       | 45083                               | 44181            | 43960            | 42532              | 42150              | 4.26                   | 4.30             | 4.30             | 4.31               | 4.33               |
|                  | 37°F (2.8°C)                                       | 45590                               | 44678            | 44455            | 43011              | 42624              | 4.16                   | 4.20             | 4.21             | 4.22               | 4.23               |
|                  | 42°F (5.6°C)                                       | 46859                               | 45922            | 45692            | 44208              | 43810              | 3.92                   | 3.96             | 3.96             | 3.97               | 3.99               |
|                  | 44.6°F (7.0°C)                                     | 47367                               | 46419            | 46187            | 44687              | 44285              | 3.83                   | 3.86             | 3.87             | 3.87               | 3.89               |
|                  | 47°F (8.3°C)                                       | 48128                               | 47165            | 46930            | 45405              | 44997              | 3.68                   | 3.71             | 3.72             | 3.73               | 3.74               |
|                  | 52°F (11.1°C)                                      | 47489                               | 46539            | 46307            | 44803              | 44399              | 3.37                   | 3.40             | 3.40             | 3.41               | 3.42               |
|                  | 57°F (13.9°C)                                      | 46850                               | 45913            | 45684            | 44200              | 43802              | 3.05                   | 3.08             | 3.08             | 3.09               | 3.10               |
|                  | 59°F (15.0°C)                                      | 46595                               | 45663            | 45434            | 43959              | 43563              | 2.93                   | 2.95             | 2.96             | 2.96               | 2.97               |
|                  | 62°F (16.7°C)                                      | 46211                               | 45287            | 45061            | 43597              | 43205              | 2.74                   | 2.76             | 2.76             | 2.77               | 2.78               |
|                  | 64.4°F (18.0°C)                                    | 45905                               | 44986            | 44761            | 43308              | 42918              | 2.59                   | 2.61             | 2.61             | 2.62               | 2.63               |
|                  | 69.8°F (21.0°C)                                    | 40804                               | 39988            | 39788            | 38496              | 38150              | 2.25                   | 2.26             | 2.27             | 2.27               | 2.28               |
|                  | 75.2°F (24.0°C)                                    | 35704                               | 34990            | 34815            | 33684              | 33381              | 1.90                   | 1.92             | 1.92             | 1.93               | 1.94               |
| 1294             | -13°F (-25.0°C)                                    | 24074                               | 23593            | 23475            | 23044              | 22837              | 3.82                   | 3.85             | 3.86             | 3.86               | 3.88               |
|                  | -4°F (-20.0°C)                                     | 28525                               | 27955            | 27815            | 27305              | 27059              | 4.04                   | 4.07             | 4.08             | 4.09               | 4.11               |
|                  | 0°F (-17.8°C)                                      | 31019                               | 30399            | 30247            | 29692              | 29425              | 4.17                   | 4.21             | 4.22             | 4.23               | 4.24               |
|                  | 5°F (-15.0°C)                                      | 34136                               | 33454            | 33286            | 32676              | 32382              | 4.34                   | 4.38             | 4.39             | 4.39               | 4.41               |
|                  | 14°F (-10.0°C)                                     | 38691                               | 37917            | 37727            | 37035              | 36702              | 4.56                   | 4.60             | 4.61             | 4.62               | 4.64               |
|                  | 17°F (-8.3°C)                                      | 40209                               | 39405            | 39208            | 38489              | 38142              | 4.64                   | 4.68             | 4.69             | 4.70               | 4.71               |
|                  | 22°F (-5.6°C)                                      | 42657                               | 41804            | 41595            | 40832              | 40464              | 4.67                   | 4.70             | 4.71             | 4.72               | 4.74               |
|                  | 27°F (-2.8°C)                                      | 45105                               | 44203            | 43982            | 43175              | 42787              | 4.69                   | 4.73             | 4.74             | 4.75               | 4.77               |
|                  | 32°F (0.0°C)                                       | 47553                               | 46602            | 46369            | 45518              | 45109              | 4.72                   | 4.76             | 4.77             | 4.78               | 4.79               |
|                  | 35°F (1.7°C)                                       | 49022                               | 48041            | 47801            | 46924              | 46502              | 4.73                   | 4.77             | 4.78             | 4.79               | 4.81               |
|                  | 37°F (2.8°C)                                       | 49574                               | 48582            | 48339            | 47453              | 47026              | 4.63                   | 4.66             | 4.67             | 4.68               | 4.70               |
|                  | 42°F (5.6°C)                                       | 50954                               | 49935            | 49685            | 48773              | 48335              | 4.36                   | 4.40             | 4.40             | 4.41               | 4.43               |
|                  | 44.6°F (7.0°C)                                     | 51505                               | 50475            | 50223            | 49302              | 48858              | 4.25                   | 4.29             | 4.30             | 4.30               | 4.32               |
|                  | 47°F (8.3°C)                                       | 52333                               | 51287            | 51030            | 50094              | 49643              | 4.09                   | 4.13             | 4.13             | 4.14               | 4.16               |
|                  | 52°F (11.1°C)                                      | 51639                               | 50606            | 50353            | 49429              | 48984              | 3.74                   | 3.77             | 3.78             | 3.79               | 3.80               |
|                  | 57°F (13.9°C)                                      | 50944                               | 49925            | 49675            | 48764              | 48325              | 3.39                   | 3.42             | 3.43             | 3.43               | 3.45               |
|                  | 59°F (15.0°C)                                      | 50666                               | 49653            | 49404            | 48498              | 48062              | 3.25                   | 3.28             | 3.28             | 3.29               | 3.30               |
|                  | 62°F (16.7°C)                                      | 50249                               | 49244            | 48998            | 48099              | 47666              | 3.04                   | 3.07             | 3.07             | 3.08               | 3.09               |
|                  | 64.4°F (18.0°C)                                    | 49916                               | 48917            | 48673            | 47780              | 47350              | 2.87                   | 2.90             | 2.90             | 2.91               | 2.92               |
|                  | 69.8°F (21.0°C)                                    | 44370                               | 43482            | 43265            | 42471              | 42089              | 2.49                   | 2.51             | 2.52             | 2.52               | 2.54               |
|                  | 75.2°F (24.0°C)                                    | 38824                               | 38047            | 37857            | 37163              | 36828              | 2.12                   | 2.13             | 2.14             | 2.14               | 2.15               |

Table 23 – 48K RH High Static Heating — 37MBRA + 45MBDA (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1471             | -13°F (-25.0°C)                                    | 26178                               | 25654            | 25526            | 25424              | 25195              | 4.24                   | 4.28             | 4.29             | 4.29               | 4.31               |
|                  | -4°F (-20.0°C)                                     | 31018                               | 30397            | 30245            | 30124              | 29853              | 4.49                   | 4.53             | 4.54             | 4.55               | 4.56               |
|                  | 0°F (-17.8°C)                                      | 33729                               | 33055            | 32890            | 32758              | 32463              | 4.64                   | 4.68             | 4.69             | 4.69               | 4.71               |
|                  | 5°F (-15.0°C)                                      | 37119                               | 36377            | 36195            | 36050              | 35726              | 4.82                   | 4.86             | 4.87             | 4.88               | 4.90               |
|                  | 14°F (-10.0°C)                                     | 42071                               | 41230            | 41024            | 40860              | 40492              | 5.07                   | 5.11             | 5.12             | 5.13               | 5.15               |
|                  | 17°F (-8.3°C)                                      | 43722                               | 42848            | 42634            | 42463              | 42081              | 5.15                   | 5.20             | 5.21             | 5.22               | 5.24               |
|                  | 22°F (-5.6°C)                                      | 46384                               | 45457            | 45229            | 45048              | 44643              | 5.18                   | 5.23             | 5.24             | 5.25               | 5.27               |
|                  | 27°F (-2.8°C)                                      | 49046                               | 48065            | 47825            | 47634              | 47205              | 5.21                   | 5.26             | 5.27             | 5.28               | 5.30               |
|                  | 32°F (0.0°C)                                       | 51708                               | 50674            | 50421            | 50219              | 49767              | 5.24                   | 5.29             | 5.30             | 5.31               | 5.33               |
|                  | 35°F (1.7°C)                                       | 53305                               | 52239            | 51978            | 51770              | 51304              | 5.26                   | 5.30             | 5.31             | 5.32               | 5.35               |
|                  | 37°F (2.8°C)                                       | 53905                               | 52827            | 52563            | 52353              | 51882              | 5.14                   | 5.18             | 5.19             | 5.20               | 5.22               |
|                  | 42°F (5.6°C)                                       | 55406                               | 54298            | 54026            | 53810              | 53326              | 4.84                   | 4.88             | 4.89             | 4.90               | 4.92               |
|                  | 44.6°F (7.0°C)                                     | 56006                               | 54886            | 54611            | 54393              | 53903              | 4.73                   | 4.76             | 4.77             | 4.78               | 4.80               |
|                  | 47°F (8.3°C)                                       | 56906                               | 55768            | 55489            | 55267              | 54770              | 4.55                   | 4.58             | 4.59             | 4.60               | 4.62               |
|                  | 52°F (11.1°C)                                      | 56151                               | 55028            | 54753            | 54534              | 54043              | 4.16                   | 4.19             | 4.20             | 4.21               | 4.23               |
|                  | 57°F (13.9°C)                                      | 55395                               | 54287            | 54016            | 53800              | 53316              | 3.77                   | 3.80             | 3.81             | 3.81               | 3.83               |
|                  | 59°F (15.0°C)                                      | 55093                               | 53991            | 53721            | 53506              | 53025              | 3.61                   | 3.64             | 3.65             | 3.66               | 3.67               |
|                  | 62°F (16.7°C)                                      | 54640                               | 53547            | 53279            | 53066              | 52589              | 3.38                   | 3.41             | 3.41             | 3.42               | 3.43               |
|                  | 64.4°F (18.0°C)                                    | 54277                               | 53192            | 52926            | 52714              | 52240              | 3.19                   | 3.22             | 3.22             | 3.23               | 3.24               |
|                  | 69.8°F (21.0°C)                                    | 48247                               | 47282            | 47045            | 46857              | 46435              | 2.77                   | 2.79             | 2.80             | 2.81               | 2.82               |
|                  | 75.2°F (24.0°C)                                    | 42216                               | 41372            | 41165            | 41000              | 40631              | 2.35                   | 2.37             | 2.38             | 2.38               | 2.39               |
| 1647             | -13°F (-25.0°C)                                    | 28465                               | 27896            | 27757            | 27646              | 27397              | 4.71                   | 4.75             | 4.76             | 4.77               | 4.79               |
|                  | -4°F (-20.0°C)                                     | 33728                               | 33054            | 32888            | 32757              | 32462              | 4.99                   | 5.03             | 5.04             | 5.05               | 5.07               |
|                  | 0°F (-17.8°C)                                      | 36677                               | 35943            | 35763            | 35620              | 35300              | 5.15                   | 5.20             | 5.21             | 5.22               | 5.24               |
|                  | 5°F (-15.0°C)                                      | 40362                               | 39555            | 39357            | 39200              | 38847              | 5.36                   | 5.40             | 5.41             | 5.42               | 5.45               |
|                  | 14°F (-10.0°C)                                     | 45748                               | 44833            | 44608            | 44430              | 44030              | 5.64                   | 5.68             | 5.69             | 5.70               | 5.73               |
|                  | 17°F (-8.3°C)                                      | 47543                               | 46592            | 46359            | 46173              | 45758              | 5.73                   | 5.77             | 5.79             | 5.80               | 5.82               |
|                  | 22°F (-5.6°C)                                      | 50437                               | 49428            | 49181            | 48985              | 48544              | 5.76                   | 5.81             | 5.82             | 5.83               | 5.85               |
|                  | 27°F (-2.8°C)                                      | 53332                               | 52265            | 52004            | 51796              | 51330              | 5.79                   | 5.84             | 5.85             | 5.86               | 5.89               |
|                  | 32°F (0.0°C)                                       | 56226                               | 55102            | 54826            | 54607              | 54116              | 5.83                   | 5.87             | 5.88             | 5.90               | 5.92               |
|                  | 35°F (1.7°C)                                       | 57963                               | 56804            | 56520            | 56294              | 55787              | 5.84                   | 5.89             | 5.90             | 5.92               | 5.94               |
|                  | 37°F (2.8°C)                                       | 58616                               | 57443            | 57156            | 56927              | 56415              | 5.71                   | 5.76             | 5.77             | 5.78               | 5.81               |
|                  | 42°F (5.6°C)                                       | 60247                               | 59042            | 58747            | 58512              | 57985              | 5.38                   | 5.43             | 5.44             | 5.45               | 5.47               |
|                  | 44.6°F (7.0°C)                                     | 60900                               | 59682            | 59383            | 59146              | 58613              | 5.25                   | 5.29             | 5.30             | 5.31               | 5.34               |
|                  | 47°F (8.3°C)                                       | 61879                               | 60641            | 60338            | 60096              | 59556              | 5.05                   | 5.09             | 5.10             | 5.11               | 5.13               |
|                  | 52°F (11.1°C)                                      | 61057                               | 59836            | 59537            | 59299              | 58765              | 4.62                   | 4.66             | 4.67             | 4.68               | 4.70               |
|                  | 57°F (13.9°C)                                      | 60236                               | 59031            | 58736            | 58501              | 57974              | 4.19                   | 4.22             | 4.23             | 4.24               | 4.26               |
|                  | 59°F (15.0°C)                                      | 59907                               | 58709            | 58415            | 58182              | 57658              | 4.01                   | 4.05             | 4.06             | 4.06               | 4.08               |
|                  | 62°F (16.7°C)                                      | 59414                               | 58226            | 57935            | 57703              | 57184              | 3.75                   | 3.79             | 3.79             | 3.80               | 3.82               |
|                  | 64.4°F (18.0°C)                                    | 59020                               | 57839            | 57550            | 57320              | 56804              | 3.55                   | 3.58             | 3.58             | 3.59               | 3.60               |
|                  | 69.8°F (21.0°C)                                    | 52462                               | 51413            | 51156            | 50951              | 50493              | 3.08                   | 3.10             | 3.11             | 3.12               | 3.13               |
|                  | 75.2°F (24.0°C)                                    | 45905                               | 44987            | 44762            | 44583              | 44182              | 2.61                   | 2.63             | 2.64             | 2.64               | 2.65               |

Table 24 – 60K RH High Static Heating — 37MBRA + 45MBDA

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1059             | -13°F (-25.0°C)                                    | 16848                               | 16511            | 16428            | 15404              | 15266              | 3.15                   | 3.17             | 3.18             | 3.18               | 3.20               |
|                  | -4°F (-20.0°C)                                     | 22160                               | 21717            | 21609            | 20262              | 20079              | 3.66                   | 3.69             | 3.69             | 3.70               | 3.72               |
|                  | 0°F (-17.8°C)                                      | 24673                               | 24180            | 24059            | 22559              | 22356              | 3.73                   | 3.76             | 3.77             | 3.77               | 3.79               |
|                  | 5°F (-15.0°C)                                      | 27814                               | 27258            | 27122            | 25431              | 25202              | 3.82                   | 3.85             | 3.86             | 3.87               | 3.88               |
|                  | 14°F (-10.0°C)                                     | 28403                               | 27835            | 27696            | 25970              | 25736              | 3.64                   | 3.67             | 3.68             | 3.68               | 3.70               |
|                  | 17°F (-8.3°C)                                      | 28600                               | 28028            | 27887            | 26149              | 25914              | 3.58                   | 3.61             | 3.61             | 3.62               | 3.64               |
|                  | 22°F (-5.6°C)                                      | 30506                               | 29896            | 29747            | 27892              | 27641              | 3.69                   | 3.72             | 3.73             | 3.74               | 3.75               |
|                  | 27°F (-2.8°C)                                      | 32413                               | 31765            | 31606            | 29636              | 29369              | 3.81                   | 3.84             | 3.85             | 3.85               | 3.87               |
|                  | 32°F (0.0°C)                                       | 34320                               | 33633            | 33465            | 31379              | 31097              | 3.92                   | 3.95             | 3.96             | 3.97               | 3.99               |
|                  | 35°F (1.7°C)                                       | 35464                               | 34754            | 34581            | 32425              | 32133              | 3.99                   | 4.02             | 4.03             | 4.04               | 4.05               |
|                  | 37°F (2.8°C)                                       | 37274                               | 36529            | 36346            | 34081              | 33774              | 3.95                   | 3.98             | 3.99             | 4.00               | 4.01               |
|                  | 42°F (5.6°C)                                       | 41801                               | 40965            | 40760            | 38219              | 37875              | 3.84                   | 3.87             | 3.88             | 3.89               | 3.90               |
|                  | 44.6°F (7.0°C)                                     | 43612                               | 42740            | 42526            | 39875              | 39516              | 3.80                   | 3.83             | 3.84             | 3.84               | 3.86               |
|                  | 47°F (8.3°C)                                       | 46328                               | 45401            | 45174            | 42358              | 41977              | 3.73                   | 3.76             | 3.77             | 3.78               | 3.79               |
|                  | 52°F (11.1°C)                                      | 45124                               | 44221            | 44000            | 41257              | 40886              | 3.36                   | 3.39             | 3.39             | 3.40               | 3.41               |
|                  | 57°F (13.9°C)                                      | 43920                               | 43041            | 42826            | 40157              | 39795              | 2.98                   | 3.01             | 3.01             | 3.02               | 3.03               |
|                  | 59°F (15.0°C)                                      | 43438                               | 42569            | 42357            | 39716              | 39359              | 2.83                   | 2.86             | 2.86             | 2.87               | 2.88               |
|                  | 62°F (16.7°C)                                      | 42716                               | 41861            | 41652            | 39056              | 38704              | 2.61                   | 2.63             | 2.63             | 2.64               | 2.65               |
|                  | 64.4°F (18.0°C)                                    | 42138                               | 41295            | 41089            | 38527              | 38181              | 2.43                   | 2.45             | 2.45             | 2.46               | 2.47               |
|                  | 69.8°F (21.0°C)                                    | 37457                               | 36707            | 36524            | 34247              | 33939              | 2.02                   | 2.04             | 2.04             | 2.05               | 2.06               |
|                  | 75.2°F (24.0°C)                                    | 32773                               | 32118            | 31957            | 29965              | 29695              | 1.62                   | 1.63             | 1.63             | 1.64               | 1.64               |
| 1294             | -13°F (-25.0°C)                                    | 19177                               | 18794            | 18700            | 18072              | 17909              | 3.50                   | 3.52             | 3.53             | 3.54               | 3.55               |
|                  | -4°F (-20.0°C)                                     | 25224                               | 24720            | 24596            | 23770              | 23556              | 4.06                   | 4.10             | 4.10             | 4.11               | 4.13               |
|                  | 0°F (-17.8°C)                                      | 28085                               | 27523            | 27385            | 26465              | 26227              | 4.14                   | 4.18             | 4.19             | 4.19               | 4.21               |
|                  | 5°F (-15.0°C)                                      | 31660                               | 31027            | 30872            | 29834              | 29566              | 4.25                   | 4.28             | 4.29             | 4.30               | 4.31               |
|                  | 14°F (-10.0°C)                                     | 32330                               | 31684            | 31525            | 30466              | 30192              | 4.04                   | 4.08             | 4.08             | 4.09               | 4.11               |
|                  | 17°F (-8.3°C)                                      | 32554                               | 31903            | 31743            | 30677              | 30400              | 3.98                   | 4.01             | 4.02             | 4.02               | 4.04               |
|                  | 22°F (-5.6°C)                                      | 34724                               | 34030            | 33860            | 32722              | 32427              | 4.10                   | 4.14             | 4.14             | 4.15               | 4.17               |
|                  | 27°F (-2.8°C)                                      | 36895                               | 36157            | 35976            | 34767              | 34454              | 4.23                   | 4.26             | 4.27             | 4.28               | 4.30               |
|                  | 32°F (0.0°C)                                       | 39065                               | 38284            | 38092            | 36812              | 36481              | 4.36                   | 4.39             | 4.40             | 4.41               | 4.43               |
|                  | 35°F (1.7°C)                                       | 40367                               | 39560            | 39362            | 38039              | 37697              | 4.43                   | 4.47             | 4.48             | 4.49               | 4.51               |
|                  | 37°F (2.8°C)                                       | 42428                               | 41580            | 41372            | 39981              | 39621              | 4.39                   | 4.42             | 4.43             | 4.44               | 4.46               |
|                  | 42°F (5.6°C)                                       | 47581                               | 46629            | 46396            | 44837              | 44433              | 4.27                   | 4.30             | 4.31             | 4.32               | 4.34               |
|                  | 44.6°F (7.0°C)                                     | 49642                               | 48649            | 48406            | 46779              | 46358              | 4.22                   | 4.25             | 4.26             | 4.27               | 4.29               |
|                  | 47°F (8.3°C)                                       | 52733                               | 51679            | 51420            | 49692              | 49245              | 4.15                   | 4.18             | 4.19             | 4.20               | 4.22               |
|                  | 52°F (11.1°C)                                      | 51363                               | 50336            | 50084            | 48401              | 47965              | 3.73                   | 3.76             | 3.77             | 3.78               | 3.79               |
|                  | 57°F (13.9°C)                                      | 49992                               | 48993            | 48748            | 47109              | 46685              | 3.31                   | 3.34             | 3.35             | 3.35               | 3.37               |
|                  | 59°F (15.0°C)                                      | 49444                               | 48455            | 48213            | 46593              | 46173              | 3.15                   | 3.17             | 3.18             | 3.19               | 3.20               |
|                  | 62°F (16.7°C)                                      | 48622                               | 47649            | 47411            | 45818              | 45405              | 2.90                   | 2.92             | 2.93             | 2.93               | 2.94               |
|                  | 64.4°F (18.0°C)                                    | 47964                               | 47005            | 46770            | 45198              | 44791              | 2.70                   | 2.72             | 2.72             | 2.73               | 2.74               |
|                  | 69.8°F (21.0°C)                                    | 42636                               | 41783            | 41574            | 40177              | 39815              | 2.25                   | 2.27             | 2.27             | 2.27               | 2.28               |
|                  | 75.2°F (24.0°C)                                    | 37304                               | 36558            | 36376            | 35153              | 34837              | 1.80                   | 1.81             | 1.82             | 1.82               | 1.83               |

Table 24 – 60K RH High Static Heating — 37MBRA + 45MBDA (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1471             | -13°F (-25.0°C)                                    | 21829                               | 21393            | 21286            | 21200              | 21010              | 3.88                   | 3.92             | 3.92             | 3.93               | 3.95               |
|                  | -4°F (-20.0°C)                                     | 28712                               | 28138            | 27997            | 27885              | 27634              | 4.51                   | 4.55             | 4.56             | 4.57               | 4.59               |
|                  | 0°F (-17.8°C)                                      | 31968                               | 31328            | 31172            | 31047              | 30768              | 4.60                   | 4.64             | 4.65             | 4.66               | 4.68               |
|                  | 5°F (-15.0°C)                                      | 36038                               | 35317            | 35140            | 35000              | 34685              | 4.72                   | 4.76             | 4.76             | 4.77               | 4.79               |
|                  | 14°F (-10.0°C)                                     | 36801                               | 36065            | 35884            | 35741              | 35419              | 4.49                   | 4.53             | 4.54             | 4.55               | 4.56               |
|                  | 17°F (-8.3°C)                                      | 37055                               | 36314            | 36132            | 35988              | 35664              | 4.42                   | 4.45             | 4.46             | 4.47               | 4.49               |
|                  | 22°F (-5.6°C)                                      | 39525                               | 38735            | 38541            | 38387              | 38042              | 4.56                   | 4.60             | 4.60             | 4.61               | 4.63               |
|                  | 27°F (-2.8°C)                                      | 41996                               | 41156            | 40950            | 40786              | 40419              | 4.70                   | 4.74             | 4.75             | 4.76               | 4.78               |
|                  | 32°F (0.0°C)                                       | 44466                               | 43577            | 43359            | 43186              | 42797              | 4.84                   | 4.88             | 4.89             | 4.90               | 4.92               |
|                  | 35°F (1.7°C)                                       | 45948                               | 45029            | 44804            | 44625              | 44223              | 4.93                   | 4.97             | 4.98             | 4.99               | 5.01               |
|                  | 37°F (2.8°C)                                       | 48294                               | 47329            | 47092            | 46904              | 46481              | 4.87                   | 4.91             | 4.92             | 4.93               | 4.95               |
|                  | 42°F (5.6°C)                                       | 54160                               | 53076            | 52811            | 52600              | 52126              | 4.74                   | 4.78             | 4.79             | 4.80               | 4.82               |
|                  | 44.6°F (7.0°C)                                     | 56506                               | 55375            | 55099            | 54878              | 54384              | 4.69                   | 4.73             | 4.74             | 4.75               | 4.76               |
|                  | 47°F (8.3°C)                                       | 60025                               | 58824            | 58530            | 58296              | 57771              | 4.61                   | 4.65             | 4.66             | 4.67               | 4.68               |
|                  | 52°F (11.1°C)                                      | 58465                               | 57295            | 57009            | 56781              | 56270              | 4.15                   | 4.18             | 4.19             | 4.20               | 4.21               |
|                  | 57°F (13.9°C)                                      | 56905                               | 55767            | 55488            | 55266              | 54768              | 3.68                   | 3.71             | 3.72             | 3.73               | 3.74               |
|                  | 59°F (15.0°C)                                      | 56281                               | 55155            | 54879            | 54660              | 54168              | 3.50                   | 3.53             | 3.53             | 3.54               | 3.55               |
|                  | 62°F (16.7°C)                                      | 55345                               | 54238            | 53967            | 53751              | 53267              | 3.22                   | 3.25             | 3.25             | 3.26               | 3.27               |
|                  | 64.4°F (18.0°C)                                    | 54596                               | 53504            | 53236            | 53023              | 52546              | 3.00                   | 3.02             | 3.03             | 3.03               | 3.05               |
|                  | 69.8°F (21.0°C)                                    | 48531                               | 47560            | 47322            | 47133              | 46709              | 2.50                   | 2.52             | 2.52             | 2.53               | 2.54               |
|                  | 75.2°F (24.0°C)                                    | 42462                               | 41613            | 41405            | 41239              | 40868              | 2.00                   | 2.01             | 2.02             | 2.02               | 2.03               |
| 1647             | -13°F (-25.0°C)                                    | 24847                               | 24350            | 24229            | 24132              | 23915              | 4.32                   | 4.35             | 4.36             | 4.37               | 4.39               |
|                  | -4°F (-20.0°C)                                     | 32682                               | 32028            | 31868            | 31741              | 31455              | 5.02                   | 5.06             | 5.07             | 5.08               | 5.10               |
|                  | 0°F (-17.8°C)                                      | 36388                               | 35660            | 35482            | 35340              | 35022              | 5.12                   | 5.16             | 5.17             | 5.18               | 5.20               |
|                  | 5°F (-15.0°C)                                      | 41020                               | 40200            | 39999            | 39839              | 39480              | 5.24                   | 5.28             | 5.29             | 5.30               | 5.33               |
|                  | 14°F (-10.0°C)                                     | 41889                               | 41051            | 40846            | 40683              | 40316              | 4.99                   | 5.03             | 5.04             | 5.05               | 5.07               |
|                  | 17°F (-8.3°C)                                      | 42178                               | 41335            | 41128            | 40964              | 40595              | 4.91                   | 4.95             | 4.96             | 4.97               | 4.99               |
|                  | 22°F (-5.6°C)                                      | 44990                               | 44091            | 43870            | 43695              | 43301              | 5.06                   | 5.11             | 5.12             | 5.13               | 5.15               |
|                  | 27°F (-2.8°C)                                      | 47802                               | 46846            | 46612            | 46426              | 46008              | 5.22                   | 5.26             | 5.27             | 5.29               | 5.31               |
|                  | 32°F (0.0°C)                                       | 50614                               | 49602            | 49354            | 49157              | 48714              | 5.38                   | 5.42             | 5.43             | 5.44               | 5.47               |
|                  | 35°F (1.7°C)                                       | 52301                               | 51255            | 50999            | 50795              | 50338              | 5.47                   | 5.52             | 5.53             | 5.54               | 5.56               |
|                  | 37°F (2.8°C)                                       | 54972                               | 53872            | 53603            | 53389              | 52908              | 5.41                   | 5.46             | 5.47             | 5.48               | 5.50               |
|                  | 42°F (5.6°C)                                       | 61648                               | 60415            | 60113            | 59872              | 59334              | 5.27                   | 5.31             | 5.32             | 5.33               | 5.35               |
|                  | 44.6°F (7.0°C)                                     | 64318                               | 63032            | 62717            | 62466              | 61904              | 5.21                   | 5.25             | 5.26             | 5.27               | 5.29               |
|                  | 47°F (8.3°C)                                       | 68324                               | 66957            | 66623            | 66356              | 65759              | 5.12                   | 5.16             | 5.17             | 5.18               | 5.20               |
|                  | 52°F (11.1°C)                                      | 66548                               | 65217            | 64891            | 64632              | 64050              | 4.61                   | 4.64             | 4.65             | 4.66               | 4.68               |
|                  | 57°F (13.9°C)                                      | 64773                               | 63477            | 63160            | 62907              | 62341              | 4.09                   | 4.13             | 4.13             | 4.14               | 4.16               |
|                  | 59°F (15.0°C)                                      | 64062                               | 62781            | 62467            | 62217              | 61657              | 3.89                   | 3.92             | 3.93             | 3.93               | 3.95               |
|                  | 62°F (16.7°C)                                      | 62997                               | 61737            | 61428            | 61183              | 60632              | 3.58                   | 3.61             | 3.61             | 3.62               | 3.64               |
|                  | 64.4°F (18.0°C)                                    | 62145                               | 60902            | 60597            | 60355              | 59812              | 3.33                   | 3.36             | 3.36             | 3.37               | 3.38               |
|                  | 69.8°F (21.0°C)                                    | 55241                               | 54136            | 53865            | 53650              | 53167              | 2.77                   | 2.80             | 2.80             | 2.81               | 2.82               |
|                  | 75.2°F (24.0°C)                                    | 48333                               | 47367            | 47130            | 46941              | 46519              | 2.22                   | 2.24             | 2.24             | 2.25               | 2.25               |

Table 25 – 36K Heating — 37MBRA + 45MCFA

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 765              | -13°F (-25.0°C)                                    | 16085                               | 15763            | 15684            | 15613              | 15452              | 2.70                   | 2.73             | 2.73             | 2.74               | 2.75               |
|                  | -4°F (-20.0°C)                                     | 19002                               | 18622            | 18529            | 18445              | 18255              | 2.85                   | 2.88             | 2.88             | 2.89               | 2.90               |
|                  | 0°F (-17.8°C)                                      | 19668                               | 19275            | 19178            | 19091              | 18894              | 2.82                   | 2.84             | 2.85             | 2.85               | 2.87               |
|                  | 5°F (-15.0°C)                                      | 20500                               | 20090            | 19990            | 19899              | 19694              | 2.78                   | 2.80             | 2.81             | 2.81               | 2.82               |
|                  | 14°F (-10.0°C)                                     | 23398                               | 22930            | 22815            | 22711              | 22477              | 2.97                   | 3.00             | 3.00             | 3.01               | 3.02               |
|                  | 17°F (-8.3°C)                                      | 24364                               | 23877            | 23757            | 23649              | 23405              | 3.04                   | 3.06             | 3.07             | 3.07               | 3.09               |
|                  | 22°F (-5.6°C)                                      | 25078                               | 24577            | 24454            | 24342              | 24091              | 2.88                   | 2.90             | 2.91             | 2.92               | 2.93               |
|                  | 27°F (-2.8°C)                                      | 25792                               | 25276            | 25150            | 25035              | 24778              | 2.73                   | 2.75             | 2.75             | 2.76               | 2.77               |
|                  | 32°F (0.0°C)                                       | 26507                               | 25976            | 25846            | 25729              | 25464              | 2.57                   | 2.59             | 2.60             | 2.60               | 2.61               |
|                  | 35°F (1.7°C)                                       | 26935                               | 26396            | 26264            | 26145              | 25875              | 2.48                   | 2.50             | 2.50             | 2.51               | 2.52               |
|                  | 37°F (2.8°C)                                       | 27768                               | 27213            | 27077            | 26953              | 26676              | 2.53                   | 2.55             | 2.55             | 2.56               | 2.57               |
|                  | 42°F (5.6°C)                                       | 29851                               | 29254            | 29107            | 28975              | 28676              | 2.65                   | 2.67             | 2.67             | 2.68               | 2.69               |
|                  | 44.6°F (7.0°C)                                     | 30684                               | 30070            | 29920            | 29783              | 29476              | 2.70                   | 2.72             | 2.72             | 2.73               | 2.74               |
|                  | 47°F (8.3°C)                                       | 31933                               | 31295            | 31138            | 30996              | 30677              | 2.77                   | 2.79             | 2.80             | 2.80               | 2.81               |
|                  | 52°F (11.1°C)                                      | 32588                               | 31936            | 31777            | 31632              | 31306              | 2.64                   | 2.66             | 2.67             | 2.67               | 2.68               |
|                  | 57°F (13.9°C)                                      | 33243                               | 32578            | 32415            | 32267              | 31935              | 2.51                   | 2.53             | 2.54             | 2.54               | 2.55               |
|                  | 59°F (15.0°C)                                      | 33505                               | 32835            | 32671            | 32522              | 32187              | 2.46                   | 2.48             | 2.49             | 2.49               | 2.50               |
|                  | 62°F (16.7°C)                                      | 33898                               | 33220            | 33054            | 32903              | 32564              | 2.39                   | 2.41             | 2.41             | 2.41               | 2.42               |
|                  | 64.4°F (18.0°C)                                    | 34212                               | 33528            | 33360            | 33208              | 32866              | 2.32                   | 2.34             | 2.35             | 2.35               | 2.36               |
|                  | 69.8°F (21.0°C)                                    | 34920                               | 34221            | 34050            | 33895              | 33546              | 2.19                   | 2.20             | 2.21             | 2.21               | 2.22               |
|                  | 75.2°F (24.0°C)                                    | 35627                               | 34914            | 34740            | 34581              | 34225              | 2.05                   | 2.06             | 2.07             | 2.07               | 2.08               |
| 988              | -13°F (-25.0°C)                                    | 17558                               | 17207            | 17121            | 17043              | 16867              | 3.18                   | 3.21             | 3.21             | 3.22               | 3.23               |
|                  | -4°F (-20.0°C)                                     | 20742                               | 20328            | 20226            | 20134              | 19926              | 3.36                   | 3.38             | 3.39             | 3.40               | 3.41               |
|                  | 0°F (-17.8°C)                                      | 21469                               | 21040            | 20935            | 20839              | 20625              | 3.32                   | 3.34             | 3.35             | 3.36               | 3.37               |
|                  | 5°F (-15.0°C)                                      | 22378                               | 21930            | 21820            | 21721              | 21497              | 3.27                   | 3.30             | 3.30             | 3.31               | 3.32               |
|                  | 14°F (-10.0°C)                                     | 25541                               | 25030            | 24905            | 24791              | 24536              | 3.50                   | 3.53             | 3.53             | 3.54               | 3.55               |
|                  | 17°F (-8.3°C)                                      | 26595                               | 26063            | 25933            | 25815              | 25549              | 3.57                   | 3.60             | 3.61             | 3.62               | 3.63               |
|                  | 22°F (-5.6°C)                                      | 27375                               | 26827            | 26693            | 26571              | 26298              | 3.39                   | 3.42             | 3.42             | 3.43               | 3.44               |
|                  | 27°F (-2.8°C)                                      | 28154                               | 27591            | 27453            | 27328              | 27047              | 3.21                   | 3.23             | 3.24             | 3.25               | 3.26               |
|                  | 32°F (0.0°C)                                       | 28934                               | 28355            | 28213            | 28085              | 27796              | 3.02                   | 3.05             | 3.05             | 3.06               | 3.07               |
|                  | 35°F (1.7°C)                                       | 29402                               | 28814            | 28670            | 28539              | 28245              | 2.91                   | 2.94             | 2.94             | 2.95               | 2.96               |
|                  | 37°F (2.8°C)                                       | 30311                               | 29705            | 29556            | 29422              | 29118              | 2.97                   | 2.99             | 3.00             | 3.01               | 3.02               |
|                  | 42°F (5.6°C)                                       | 32584                               | 31933            | 31773            | 31628              | 31302              | 3.11                   | 3.14             | 3.15             | 3.15               | 3.17               |
|                  | 44.6°F (7.0°C)                                     | 33494                               | 32824            | 32660            | 32511              | 32176              | 3.17                   | 3.20             | 3.20             | 3.21               | 3.22               |
|                  | 47°F (8.3°C)                                       | 34858                               | 34160            | 33990            | 33835              | 33486              | 3.26                   | 3.29             | 3.29             | 3.30               | 3.31               |
|                  | 52°F (11.1°C)                                      | 35572                               | 34861            | 34687            | 34529              | 34173              | 3.11                   | 3.13             | 3.14             | 3.15               | 3.16               |
|                  | 57°F (13.9°C)                                      | 36287                               | 35562            | 35384            | 35222              | 34860              | 2.96                   | 2.98             | 2.99             | 2.99               | 3.01               |
|                  | 59°F (15.0°C)                                      | 36573                               | 35842            | 35663            | 35500              | 35134              | 2.90                   | 2.92             | 2.93             | 2.93               | 2.94               |
|                  | 62°F (16.7°C)                                      | 37002                               | 36262            | 36081            | 35916              | 35546              | 2.81                   | 2.83             | 2.84             | 2.84               | 2.85               |
|                  | 64.4°F (18.0°C)                                    | 37345                               | 36598            | 36415            | 36249              | 35876              | 2.73                   | 2.76             | 2.76             | 2.77               | 2.78               |
|                  | 69.8°F (21.0°C)                                    | 38117                               | 37355            | 37168            | 36999              | 36618              | 2.57                   | 2.59             | 2.60             | 2.60               | 2.61               |
|                  | 75.2°F (24.0°C)                                    | 38889                               | 38112            | 37921            | 37748              | 37359              | 2.41                   | 2.43             | 2.43             | 2.44               | 2.45               |

Table 25 – 36K Heating — 37MBRA + 45MCFA (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1706             | -13°F (-25.0°C)                                    | 19166                               | 18782            | 18689            | 18614              | 18446              | 3.35                   | 3.38             | 3.38             | 3.39               | 3.40               |
|                  | -4°F (-20.0°C)                                     | 22642                               | 22189            | 22078            | 21990              | 21792              | 3.53                   | 3.56             | 3.57             | 3.57               | 3.59               |
|                  | 0°F (-17.8°C)                                      | 23435                               | 22967            | 22852            | 22760              | 22555              | 3.49                   | 3.52             | 3.53             | 3.53               | 3.55               |
|                  | 5°F (-15.0°C)                                      | 24427                               | 23938            | 23819            | 23723              | 23510              | 3.44                   | 3.47             | 3.48             | 3.48               | 3.50               |
|                  | 14°F (-10.0°C)                                     | 27880                               | 27322            | 27185            | 27077              | 26833              | 3.68                   | 3.71             | 3.72             | 3.73               | 3.74               |
|                  | 17°F (-8.3°C)                                      | 29031                               | 28450            | 28308            | 28194              | 27941              | 3.76                   | 3.79             | 3.80             | 3.81               | 3.82               |
|                  | 22°F (-5.6°C)                                      | 29882                               | 29284            | 29137            | 29021              | 28760              | 3.57                   | 3.60             | 3.60             | 3.61               | 3.63               |
|                  | 27°F (-2.8°C)                                      | 30733                               | 30118            | 29967            | 29847              | 29579              | 3.38                   | 3.40             | 3.41             | 3.42               | 3.43               |
|                  | 32°F (0.0°C)                                       | 31584                               | 30952            | 30797            | 30674              | 30398              | 3.18                   | 3.21             | 3.21             | 3.22               | 3.23               |
|                  | 35°F (1.7°C)                                       | 32094                               | 31452            | 31295            | 31170              | 30889              | 3.07                   | 3.09             | 3.10             | 3.10               | 3.12               |
|                  | 37°F (2.8°C)                                       | 33087                               | 32425            | 32263            | 32134              | 31845              | 3.13                   | 3.15             | 3.16             | 3.17               | 3.18               |
|                  | 42°F (5.6°C)                                       | 35568                               | 34857            | 34683            | 34544              | 34233              | 3.28                   | 3.31             | 3.31             | 3.32               | 3.33               |
|                  | 44.6°F (7.0°C)                                     | 36561                               | 35830            | 35650            | 35508              | 35188              | 3.34                   | 3.37             | 3.37             | 3.38               | 3.39               |
|                  | 47°F (8.3°C)                                       | 38050                               | 37289            | 37102            | 36954              | 36621              | 3.43                   | 3.46             | 3.47             | 3.47               | 3.49               |
|                  | 52°F (11.1°C)                                      | 38830                               | 38053            | 37863            | 37712              | 37372              | 3.27                   | 3.30             | 3.30             | 3.31               | 3.32               |
|                  | 57°F (13.9°C)                                      | 39610                               | 38818            | 38624            | 38470              | 38123              | 3.11                   | 3.14             | 3.14             | 3.15               | 3.16               |
|                  | 59°F (15.0°C)                                      | 39923                               | 39124            | 38928            | 38773              | 38424              | 3.05                   | 3.07             | 3.08             | 3.09               | 3.10               |
|                  | 62°F (16.7°C)                                      | 40391                               | 39583            | 39385            | 39227              | 38874              | 2.95                   | 2.98             | 2.98             | 2.99               | 3.00               |
|                  | 64.4°F (18.0°C)                                    | 40765                               | 39950            | 39750            | 39591              | 39235              | 2.88                   | 2.90             | 2.91             | 2.91               | 2.93               |
|                  | 69.8°F (21.0°C)                                    | 41608                               | 40776            | 40572            | 40410              | 40046              | 2.71                   | 2.73             | 2.73             | 2.74               | 2.75               |
|                  | 75.2°F (24.0°C)                                    | 42451                               | 41602            | 41394            | 41228              | 40857              | 2.54                   | 2.56             | 2.56             | 2.57               | 2.58               |
| 1224             | -13°F (-25.0°C)                                    | 20921                               | 20503            | 20400            | 20318              | 20136              | 3.38                   | 3.41             | 3.42             | 3.42               | 3.44               |
|                  | -4°F (-20.0°C)                                     | 24715                               | 24221            | 24100            | 24004              | 23788              | 3.57                   | 3.60             | 3.60             | 3.61               | 3.63               |
|                  | 0°F (-17.8°C)                                      | 25581                               | 25070            | 24944            | 24845              | 24621              | 3.53                   | 3.56             | 3.56             | 3.57               | 3.58               |
|                  | 5°F (-15.0°C)                                      | 26664                               | 26131            | 26000            | 25896              | 25663              | 3.48                   | 3.50             | 3.51             | 3.52               | 3.53               |
|                  | 14°F (-10.0°C)                                     | 30433                               | 29824            | 29675            | 29556              | 29290              | 3.72                   | 3.75             | 3.76             | 3.76               | 3.78               |
|                  | 17°F (-8.3°C)                                      | 31689                               | 31055            | 30900            | 30776              | 30499              | 3.80                   | 3.83             | 3.84             | 3.85               | 3.86               |
|                  | 22°F (-5.6°C)                                      | 32618                               | 31966            | 31806            | 31679              | 31393              | 3.60                   | 3.63             | 3.64             | 3.65               | 3.66               |
|                  | 27°F (-2.8°C)                                      | 33547                               | 32876            | 32712            | 32581              | 32288              | 3.41                   | 3.44             | 3.44             | 3.45               | 3.46               |
|                  | 32°F (0.0°C)                                       | 34476                               | 33786            | 33617            | 33483              | 33182              | 3.21                   | 3.24             | 3.25             | 3.25               | 3.27               |
|                  | 35°F (1.7°C)                                       | 35033                               | 34333            | 34161            | 34024              | 33718              | 3.10                   | 3.12             | 3.13             | 3.14               | 3.15               |
|                  | 37°F (2.8°C)                                       | 36117                               | 35394            | 35217            | 35077              | 34761              | 3.16                   | 3.18             | 3.19             | 3.20               | 3.21               |
|                  | 42°F (5.6°C)                                       | 38825                               | 38049            | 37859            | 37707              | 37368              | 3.31                   | 3.34             | 3.35             | 3.35               | 3.37               |
|                  | 44.6°F (7.0°C)                                     | 39909                               | 39111            | 38915            | 38760              | 38411              | 3.37                   | 3.40             | 3.41             | 3.41               | 3.43               |
|                  | 47°F (8.3°C)                                       | 41534                               | 40704            | 40500            | 40338              | 39975              | 3.47                   | 3.49             | 3.50             | 3.51               | 3.52               |
|                  | 52°F (11.1°C)                                      | 42386                               | 41538            | 41331            | 41165              | 40795              | 3.30                   | 3.33             | 3.34             | 3.34               | 3.36               |
|                  | 57°F (13.9°C)                                      | 43238                               | 42373            | 42161            | 41993              | 41615              | 3.14                   | 3.17             | 3.18             | 3.18               | 3.20               |
|                  | 59°F (15.0°C)                                      | 43578                               | 42707            | 42493            | 42323              | 41942              | 3.08                   | 3.11             | 3.11             | 3.12               | 3.13               |
|                  | 62°F (16.7°C)                                      | 44090                               | 43208            | 42992            | 42820              | 42434              | 2.98                   | 3.01             | 3.01             | 3.02               | 3.03               |
|                  | 64.4°F (18.0°C)                                    | 44498                               | 43608            | 43390            | 43217              | 42828              | 2.91                   | 2.93             | 2.94             | 2.94               | 2.95               |
|                  | 69.8°F (21.0°C)                                    | 45418                               | 44510            | 44287            | 44110              | 43713              | 2.73                   | 2.76             | 2.76             | 2.77               | 2.78               |
|                  | 75.2°F (24.0°C)                                    | 46338                               | 45412            | 45184            | 45004              | 44599              | 2.56                   | 2.58             | 2.59             | 2.59               | 2.60               |

Table 26 – 48K Heating — 37MBRA + 45MCFA

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 800              | -13°F (-25.0°C)                                    | 23798                               | 23322            | 23205            | 21285              | 21093              | 3.76                   | 3.79             | 3.80             | 3.81               | 3.82               |
|                  | -4°F (-20.0°C)                                     | 29257                               | 28672            | 28529            | 26167              | 25931              | 4.21                   | 4.24             | 4.25             | 4.26               | 4.28               |
|                  | 0°F (-17.8°C)                                      | 30849                               | 30232            | 30081            | 27591              | 27343              | 4.37                   | 4.41             | 4.42             | 4.43               | 4.44               |
|                  | 5°F (-15.0°C)                                      | 32840                               | 32183            | 32022            | 29371              | 29107              | 4.58                   | 4.62             | 4.63             | 4.64               | 4.65               |
|                  | 14°F (-10.0°C)                                     | 37062                               | 36321            | 36139            | 33147              | 32849              | 4.83                   | 4.87             | 4.88             | 4.89               | 4.91               |
|                  | 17°F (-8.3°C)                                      | 38469                               | 37700            | 37511            | 34406              | 34096              | 4.91                   | 4.95             | 4.96             | 4.97               | 4.99               |
|                  | 22°F (-5.6°C)                                      | 39459                               | 38669            | 38476            | 35291              | 34973              | 4.83                   | 4.87             | 4.88             | 4.89               | 4.91               |
|                  | 27°F (-2.8°C)                                      | 40448                               | 39639            | 39441            | 36176              | 35850              | 4.75                   | 4.79             | 4.80             | 4.81               | 4.83               |
|                  | 32°F (0.0°C)                                       | 41437                               | 40608            | 40405            | 37061              | 36727              | 4.67                   | 4.71             | 4.72             | 4.73               | 4.75               |
|                  | 35°F (1.7°C)                                       | 42031                               | 41190            | 40984            | 37591              | 37253              | 4.63                   | 4.66             | 4.67             | 4.68               | 4.70               |
|                  | 37°F (2.8°C)                                       | 43484                               | 42615            | 42401            | 38891              | 38541              | 4.63                   | 4.67             | 4.68             | 4.69               | 4.70               |
|                  | 42°F (5.6°C)                                       | 47118                               | 46176            | 45945            | 42142              | 41762              | 4.63                   | 4.67             | 4.68             | 4.69               | 4.71               |
|                  | 44.6°F (7.0°C)                                     | 48572                               | 47600            | 47362            | 43442              | 43051              | 4.64                   | 4.67             | 4.68             | 4.69               | 4.71               |
|                  | 47°F (8.3°C)                                       | 50752                               | 49737            | 49488            | 45392              | 44983              | 4.64                   | 4.68             | 4.68             | 4.69               | 4.71               |
|                  | 52°F (11.1°C)                                      | 49146                               | 48163            | 47922            | 43955              | 43560              | 4.15                   | 4.18             | 4.19             | 4.20               | 4.22               |
|                  | 57°F (13.9°C)                                      | 47540                               | 46589            | 46356            | 42519              | 42136              | 3.66                   | 3.69             | 3.70             | 3.70               | 3.72               |
|                  | 59°F (15.0°C)                                      | 46897                               | 45960            | 45730            | 41944              | 41567              | 3.46                   | 3.49             | 3.50             | 3.51               | 3.52               |
|                  | 62°F (16.7°C)                                      | 45934                               | 45015            | 44790            | 41082              | 40713              | 3.17                   | 3.20             | 3.20             | 3.21               | 3.22               |
|                  | 64.4°F (18.0°C)                                    | 45163                               | 44260            | 44038            | 40393              | 40029              | 2.94                   | 2.96             | 2.97             | 2.97               | 2.98               |
|                  | 69.8°F (21.0°C)                                    | 43428                               | 42560            | 42347            | 38841              | 38492              | 2.41                   | 2.43             | 2.43             | 2.44               | 2.45               |
|                  | 75.2°F (24.0°C)                                    | 41694                               | 40860            | 40656            | 37290              | 36954              | 1.88                   | 1.90             | 1.90             | 1.90               | 1.91               |
| 1082             | -13°F (-25.0°C)                                    | 25305                               | 24799            | 24675            | 23585              | 23372              | 4.43                   | 4.46             | 4.47             | 4.48               | 4.50               |
|                  | -4°F (-20.0°C)                                     | 31110                               | 30488            | 30336            | 28995              | 28734              | 4.95                   | 4.99             | 5.00             | 5.01               | 5.03               |
|                  | 0°F (-17.8°C)                                      | 32803                               | 32147            | 31986            | 30573              | 30297              | 5.15                   | 5.19             | 5.20             | 5.21               | 5.23               |
|                  | 5°F (-15.0°C)                                      | 34920                               | 34221            | 34050            | 32545              | 32252              | 5.39                   | 5.43             | 5.44             | 5.45               | 5.48               |
|                  | 14°F (-10.0°C)                                     | 39409                               | 38621            | 38428            | 36729              | 36399              | 5.68                   | 5.73             | 5.74             | 5.75               | 5.77               |
|                  | 17°F (-8.3°C)                                      | 40906                               | 40088            | 39887            | 38124              | 37781              | 5.78                   | 5.82             | 5.84             | 5.85               | 5.87               |
|                  | 22°F (-5.6°C)                                      | 41958                               | 41119            | 40913            | 39105              | 38753              | 5.69                   | 5.73             | 5.74             | 5.75               | 5.78               |
|                  | 27°F (-2.8°C)                                      | 43010                               | 42149            | 41939            | 40085              | 39724              | 5.59                   | 5.64             | 5.65             | 5.66               | 5.68               |
|                  | 32°F (0.0°C)                                       | 44062                               | 43180            | 42965            | 41065              | 40696              | 5.50                   | 5.54             | 5.56             | 5.57               | 5.59               |
|                  | 35°F (1.7°C)                                       | 44693                               | 43799            | 43580            | 41654              | 41279              | 5.44                   | 5.49             | 5.50             | 5.51               | 5.53               |
|                  | 37°F (2.8°C)                                       | 46238                               | 45314            | 45087            | 43094              | 42706              | 5.45                   | 5.49             | 5.50             | 5.51               | 5.53               |
|                  | 42°F (5.6°C)                                       | 50103                               | 49100            | 48855            | 46696              | 46275              | 5.45                   | 5.50             | 5.51             | 5.52               | 5.54               |
|                  | 44.6°F (7.0°C)                                     | 51648                               | 50615            | 50362            | 48136              | 47703              | 5.45                   | 5.50             | 5.51             | 5.52               | 5.54               |
|                  | 47°F (8.3°C)                                       | 53967                               | 52887            | 52623            | 50297              | 49844              | 5.46                   | 5.50             | 5.51             | 5.52               | 5.54               |
|                  | 52°F (11.1°C)                                      | 52259                               | 51214            | 50958            | 48705              | 48267              | 4.88                   | 4.92             | 4.93             | 4.94               | 4.96               |
|                  | 57°F (13.9°C)                                      | 50551                               | 49540            | 49292            | 47113              | 46689              | 4.31                   | 4.34             | 4.35             | 4.36               | 4.38               |
|                  | 59°F (15.0°C)                                      | 49868                               | 48870            | 48626            | 46477              | 46059              | 4.08                   | 4.11             | 4.12             | 4.13               | 4.14               |
|                  | 62°F (16.7°C)                                      | 48843                               | 47866            | 47627            | 45522              | 45112              | 3.73                   | 3.76             | 3.77             | 3.78               | 3.79               |
|                  | 64.4°F (18.0°C)                                    | 48023                               | 47063            | 46828            | 44758              | 44355              | 3.46                   | 3.48             | 3.49             | 3.50               | 3.51               |
|                  | 69.8°F (21.0°C)                                    | 46179                               | 45255            | 45029            | 43039              | 42651              | 2.83                   | 2.86             | 2.86             | 2.87               | 2.88               |
|                  | 75.2°F (24.0°C)                                    | 44335                               | 43448            | 43231            | 41320              | 40948              | 2.21                   | 2.23             | 2.24             | 2.24               | 2.25               |

Table 26 – 48K Heating — 37MBRA + 45MCFA (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1235             | -13°F (-25.0°C)                                    | 26908                               | 26370            | 26238            | 26133              | 25898              | 4.66                   | 4.70             | 4.71             | 4.72               | 4.73               |
|                  | -4°F (-20.0°C)                                     | 33081                               | 32419            | 32257            | 32128              | 31839              | 5.21                   | 5.26             | 5.27             | 5.28               | 5.30               |
|                  | 0°F (-17.8°C)                                      | 34881                               | 34183            | 34012            | 33876              | 33571              | 5.42                   | 5.46             | 5.47             | 5.48               | 5.50               |
|                  | 5°F (-15.0°C)                                      | 37131                               | 36389            | 36207            | 36062              | 35737              | 5.67                   | 5.72             | 5.73             | 5.74               | 5.76               |
|                  | 14°F (-10.0°C)                                     | 41905                               | 41067            | 40862            | 40698              | 40332              | 5.98                   | 6.03             | 6.04             | 6.05               | 6.08               |
|                  | 17°F (-8.3°C)                                      | 43497                               | 42627            | 42414            | 42244              | 41864              | 6.08                   | 6.13             | 6.14             | 6.16               | 6.18               |
|                  | 22°F (-5.6°C)                                      | 44615                               | 43723            | 43504            | 43330              | 42940              | 5.98                   | 6.03             | 6.04             | 6.06               | 6.08               |
|                  | 27°F (-2.8°C)                                      | 45734                               | 44819            | 44595            | 44417              | 44017              | 5.89                   | 5.93             | 5.95             | 5.96               | 5.98               |
|                  | 32°F (0.0°C)                                       | 46852                               | 45915            | 45686            | 45503              | 45094              | 5.79                   | 5.84             | 5.85             | 5.86               | 5.88               |
|                  | 35°F (1.7°C)                                       | 47524                               | 46573            | 46340            | 46155              | 45739              | 5.73                   | 5.78             | 5.79             | 5.80               | 5.82               |
|                  | 37°F (2.8°C)                                       | 49167                               | 48184            | 47943            | 47751              | 47321              | 5.73                   | 5.78             | 5.79             | 5.80               | 5.83               |
|                  | 42°F (5.6°C)                                       | 53276                               | 52210            | 51949            | 51742              | 51276              | 5.74                   | 5.78             | 5.80             | 5.81               | 5.83               |
|                  | 44.6°F (7.0°C)                                     | 54919                               | 53821            | 53552            | 53338              | 52858              | 5.74                   | 5.79             | 5.80             | 5.81               | 5.83               |
|                  | 47°F (8.3°C)                                       | 57385                               | 56237            | 55956            | 55732              | 55230              | 5.74                   | 5.79             | 5.80             | 5.81               | 5.84               |
|                  | 52°F (11.1°C)                                      | 55569                               | 54457            | 54185            | 53968              | 53483              | 5.14                   | 5.18             | 5.19             | 5.20               | 5.22               |
|                  | 57°F (13.9°C)                                      | 53753                               | 52678            | 52414            | 52205              | 51735              | 4.53                   | 4.57             | 4.58             | 4.59               | 4.61               |
|                  | 59°F (15.0°C)                                      | 53026                               | 51966            | 51706            | 51499              | 51036              | 4.29                   | 4.33             | 4.33             | 4.34               | 4.36               |
|                  | 62°F (16.7°C)                                      | 51937                               | 50898            | 50644            | 50441              | 49987              | 3.93                   | 3.96             | 3.97             | 3.98               | 3.99               |
|                  | 64.4°F (18.0°C)                                    | 51065                               | 50044            | 49794            | 49594              | 49148              | 3.64                   | 3.67             | 3.67             | 3.68               | 3.70               |
|                  | 69.8°F (21.0°C)                                    | 49104                               | 48122            | 47881            | 47690              | 47260              | 2.98                   | 3.01             | 3.01             | 3.02               | 3.03               |
|                  | 75.2°F (24.0°C)                                    | 47143                               | 46200            | 45969            | 45785              | 45373              | 2.33                   | 2.35             | 2.35             | 2.36               | 2.37               |
| 1353             | -13°F (-25.0°C)                                    | 28612                               | 28040            | 27900            | 27788              | 27538              | 4.71                   | 4.74             | 4.75             | 4.76               | 4.78               |
|                  | -4°F (-20.0°C)                                     | 35176                               | 34472            | 34300            | 34163              | 33855              | 5.27                   | 5.31             | 5.32             | 5.33               | 5.35               |
|                  | 0°F (-17.8°C)                                      | 37090                               | 36348            | 36167            | 36022              | 35698              | 5.47                   | 5.52             | 5.53             | 5.54               | 5.56               |
|                  | 5°F (-15.0°C)                                      | 39483                               | 38693            | 38500            | 38346              | 38001              | 5.73                   | 5.77             | 5.79             | 5.80               | 5.82               |
|                  | 14°F (-10.0°C)                                     | 44560                               | 43668            | 43450            | 43276              | 42887              | 6.04                   | 6.09             | 6.10             | 6.11               | 6.14               |
|                  | 17°F (-8.3°C)                                      | 46252                               | 45327            | 45100            | 44920              | 44515              | 6.14                   | 6.19             | 6.21             | 6.22               | 6.24               |
|                  | 22°F (-5.6°C)                                      | 47441                               | 46492            | 46260            | 46075              | 45660              | 6.04                   | 6.09             | 6.11             | 6.12               | 6.14               |
|                  | 27°F (-2.8°C)                                      | 48631                               | 47658            | 47420            | 47230              | 46805              | 5.95                   | 5.99             | 6.01             | 6.02               | 6.04               |
|                  | 32°F (0.0°C)                                       | 49820                               | 48824            | 48579            | 48385              | 47950              | 5.85                   | 5.89             | 5.91             | 5.92               | 5.94               |
|                  | 35°F (1.7°C)                                       | 50534                               | 49523            | 49275            | 49078              | 48637              | 5.79                   | 5.84             | 5.85             | 5.86               | 5.88               |
|                  | 37°F (2.8°C)                                       | 52281                               | 51236            | 50979            | 50776              | 50319              | 5.79                   | 5.84             | 5.85             | 5.86               | 5.88               |
|                  | 42°F (5.6°C)                                       | 56650                               | 55517            | 55240            | 55019              | 54524              | 5.80                   | 5.84             | 5.85             | 5.87               | 5.89               |
|                  | 44.6°F (7.0°C)                                     | 58398                               | 57230            | 56944            | 56716              | 56206              | 5.80                   | 5.85             | 5.86             | 5.87               | 5.89               |
|                  | 47°F (8.3°C)                                       | 61019                               | 59799            | 59500            | 59262              | 58729              | 5.80                   | 5.85             | 5.86             | 5.87               | 5.90               |
|                  | 52°F (11.1°C)                                      | 59088                               | 57907            | 57617            | 57387              | 56870              | 5.19                   | 5.23             | 5.24             | 5.25               | 5.27               |
|                  | 57°F (13.9°C)                                      | 57157                               | 56014            | 55734            | 55511              | 55012              | 4.58                   | 4.62             | 4.62             | 4.63               | 4.65               |
|                  | 59°F (15.0°C)                                      | 56385                               | 55257            | 54981            | 54761              | 54268              | 4.33                   | 4.37             | 4.38             | 4.39               | 4.40               |
|                  | 62°F (16.7°C)                                      | 55226                               | 54122            | 53851            | 53636              | 53153              | 3.97                   | 4.00             | 4.01             | 4.02               | 4.03               |
|                  | 64.4°F (18.0°C)                                    | 54299                               | 53213            | 52947            | 52736              | 52261              | 3.67                   | 3.70             | 3.71             | 3.72               | 3.73               |
|                  | 69.8°F (21.0°C)                                    | 52214                               | 51170            | 50914            | 50710              | 50254              | 3.01                   | 3.04             | 3.04             | 3.05               | 3.06               |
|                  | 75.2°F (24.0°C)                                    | 50128                               | 49126            | 48880            | 48685              | 48247              | 2.35                   | 2.37             | 2.38             | 2.38               | 2.39               |

Table 27 – 60K Heating — 37MBRA + 45MCFA

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 882              | -13°F (-25.0°C)                                    | 19365                               | 18977            | 18883            | 18790              | 18621              | 3.53                   | 3.56             | 3.57             | 3.58               | 3.59               |
|                  | -4°F (-20.0°C)                                     | 24518                               | 24027            | 23907            | 23790              | 23576              | 3.64                   | 3.67             | 3.68             | 3.68               | 3.70               |
|                  | 0°F (-17.8°C)                                      | 26549                               | 26018            | 25888            | 25761              | 25529              | 3.82                   | 3.85             | 3.86             | 3.86               | 3.88               |
|                  | 5°F (-15.0°C)                                      | 29089                               | 28507            | 28364            | 28225              | 27971              | 4.04                   | 4.07             | 4.08             | 4.09               | 4.10               |
|                  | 14°F (-10.0°C)                                     | 35509                               | 34799            | 34625            | 34455              | 34145              | 4.56                   | 4.60             | 4.61             | 4.61               | 4.63               |
|                  | 17°F (-8.3°C)                                      | 37649                               | 36896            | 36712            | 36532              | 36203              | 4.73                   | 4.77             | 4.78             | 4.79               | 4.81               |
|                  | 22°F (-5.6°C)                                      | 37270                               | 36524            | 36342            | 36164              | 35838              | 4.59                   | 4.62             | 4.63             | 4.64               | 4.66               |
|                  | 27°F (-2.8°C)                                      | 36890                               | 36153            | 35972            | 35795              | 35473              | 4.44                   | 4.47             | 4.48             | 4.49               | 4.51               |
|                  | 32°F (0.0°C)                                       | 36511                               | 35781            | 35602            | 35427              | 35109              | 4.29                   | 4.33             | 4.33             | 4.34               | 4.36               |
|                  | 35°F (1.7°C)                                       | 36283                               | 35558            | 35380            | 35207              | 34890              | 4.20                   | 4.24             | 4.24             | 4.25               | 4.27               |
|                  | 37°F (2.8°C)                                       | 38547                               | 37776            | 37587            | 37403              | 37067              | 4.26                   | 4.30             | 4.31             | 4.31               | 4.33               |
|                  | 42°F (5.6°C)                                       | 44207                               | 43323            | 43106            | 42895              | 42509              | 4.41                   | 4.45             | 4.46             | 4.47               | 4.48               |
|                  | 44.6°F (7.0°C)                                     | 46471                               | 45541            | 45314            | 45091              | 44686              | 4.47                   | 4.51             | 4.52             | 4.53               | 4.54               |
|                  | 47°F (8.3°C)                                       | 49866                               | 48869            | 48625            | 48386              | 47951              | 4.56                   | 4.60             | 4.61             | 4.62               | 4.64               |
|                  | 52°F (11.1°C)                                      | 48996                               | 48016            | 47776            | 47542              | 47114              | 4.13                   | 4.16             | 4.17             | 4.18               | 4.20               |
|                  | 57°F (13.9°C)                                      | 48126                               | 47163            | 46928            | 46698              | 46277              | 3.70                   | 3.73             | 3.74             | 3.74               | 3.76               |
|                  | 59°F (15.0°C)                                      | 47778                               | 46822            | 46588            | 46360              | 45943              | 3.53                   | 3.56             | 3.56             | 3.57               | 3.58               |
|                  | 62°F (16.7°C)                                      | 47256                               | 46311            | 46079            | 45853              | 45441              | 3.27                   | 3.30             | 3.30             | 3.31               | 3.32               |
|                  | 64.4°F (18.0°C)                                    | 46838                               | 45901            | 45672            | 45448              | 45039              | 3.06                   | 3.09             | 3.09             | 3.10               | 3.11               |
|                  | 69.8°F (21.0°C)                                    | 45898                               | 44980            | 44755            | 44536              | 44135              | 2.60                   | 2.62             | 2.62             | 2.63               | 2.64               |
|                  | 75.2°F (24.0°C)                                    | 44959                               | 44059            | 43839            | 43624              | 43232              | 2.13                   | 2.15             | 2.15             | 2.16               | 2.16               |
| 1118             | -13°F (-25.0°C)                                    | 20770                               | 20355            | 20253            | 20163              | 19982              | 4.16                   | 4.19             | 4.20             | 4.21               | 4.22               |
|                  | -4°F (-20.0°C)                                     | 26297                               | 25771            | 25642            | 25528              | 25299              | 4.28                   | 4.32             | 4.33             | 4.33               | 4.35               |
|                  | 0°F (-17.8°C)                                      | 28476                               | 27907            | 27767            | 27644              | 27395              | 4.49                   | 4.53             | 4.54             | 4.55               | 4.56               |
|                  | 5°F (-15.0°C)                                      | 31200                               | 30576            | 30423            | 30288              | 30015              | 4.75                   | 4.79             | 4.80             | 4.81               | 4.83               |
|                  | 14°F (-10.0°C)                                     | 38086                               | 37325            | 37138            | 36973              | 36640              | 5.36                   | 5.41             | 5.42             | 5.43               | 5.45               |
|                  | 17°F (-8.3°C)                                      | 40382                               | 39574            | 39376            | 39201              | 38848              | 5.57                   | 5.61             | 5.62             | 5.64               | 5.66               |
|                  | 22°F (-5.6°C)                                      | 39975                               | 39175            | 38980            | 38806              | 38457              | 5.39                   | 5.44             | 5.45             | 5.46               | 5.48               |
|                  | 27°F (-2.8°C)                                      | 39568                               | 38777            | 38583            | 38411              | 38065              | 5.22                   | 5.26             | 5.27             | 5.28               | 5.31               |
|                  | 32°F (0.0°C)                                       | 39161                               | 38378            | 38186            | 38016              | 37674              | 5.05                   | 5.09             | 5.10             | 5.11               | 5.13               |
|                  | 35°F (1.7°C)                                       | 38917                               | 38139            | 37948            | 37779              | 37439              | 4.94                   | 4.98             | 4.99             | 5.00               | 5.02               |
|                  | 37°F (2.8°C)                                       | 41345                               | 40518            | 40316            | 40136              | 39775              | 5.01                   | 5.05             | 5.06             | 5.07               | 5.10               |
|                  | 42°F (5.6°C)                                       | 47416                               | 46467            | 46235            | 46029              | 45615              | 5.19                   | 5.23             | 5.24             | 5.25               | 5.27               |
|                  | 44.6°F (7.0°C)                                     | 49844                               | 48847            | 48603            | 48386              | 47951              | 5.26                   | 5.30             | 5.31             | 5.33               | 5.35               |
|                  | 47°F (8.3°C)                                       | 53486                               | 52416            | 52154            | 51922              | 51455              | 5.37                   | 5.41             | 5.42             | 5.43               | 5.45               |
|                  | 52°F (11.1°C)                                      | 52553                               | 51501            | 51244            | 51016              | 50557              | 4.86                   | 4.90             | 4.91             | 4.92               | 4.94               |
|                  | 57°F (13.9°C)                                      | 51619                               | 50587            | 50334            | 50110              | 49659              | 4.35                   | 4.39             | 4.40             | 4.41               | 4.42               |
|                  | 59°F (15.0°C)                                      | 51246                               | 50221            | 49970            | 49747              | 49300              | 4.15                   | 4.18             | 4.19             | 4.20               | 4.22               |
|                  | 62°F (16.7°C)                                      | 50686                               | 49672            | 49424            | 49204              | 48761              | 3.85                   | 3.88             | 3.88             | 3.89               | 3.91               |
|                  | 64.4°F (18.0°C)                                    | 50238                               | 49233            | 48987            | 48769              | 48330              | 3.60                   | 3.63             | 3.64             | 3.65               | 3.66               |
|                  | 69.8°F (21.0°C)                                    | 49230                               | 48245            | 48004            | 47790              | 47360              | 3.05                   | 3.08             | 3.08             | 3.09               | 3.10               |
|                  | 75.2°F (24.0°C)                                    | 48222                               | 47257            | 47021            | 46812              | 46390              | 2.51                   | 2.53             | 2.53             | 2.54               | 2.55               |

Table 27 – 60K Heating — 37MBRA + 45MCFA (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1235             | -13°F (-25.0°C)                                    | 22278                               | 21832            | 21723            | 21636              | 21442              | 4.37                   | 4.41             | 4.42             | 4.43               | 4.45               |
|                  | -4°F (-20.0°C)                                     | 28206                               | 27642            | 27504            | 27394              | 27147              | 4.51                   | 4.54             | 4.55             | 4.56               | 4.58               |
|                  | 0°F (-17.8°C)                                      | 30543                               | 29932            | 29783            | 29664              | 29397              | 4.73                   | 4.77             | 4.77             | 4.78               | 4.80               |
|                  | 5°F (-15.0°C)                                      | 33465                               | 32795            | 32631            | 32501              | 32208              | 5.00                   | 5.04             | 5.05             | 5.06               | 5.08               |
|                  | 14°F (-10.0°C)                                     | 40851                               | 40034            | 39834            | 39674              | 39317              | 5.65                   | 5.69             | 5.70             | 5.72               | 5.74               |
|                  | 17°F (-8.3°C)                                      | 43313                               | 42447            | 42234            | 42066              | 41687              | 5.86                   | 5.91             | 5.92             | 5.93               | 5.96               |
|                  | 22°F (-5.6°C)                                      | 42877                               | 42019            | 41809            | 41642              | 41267              | 5.68                   | 5.72             | 5.74             | 5.75               | 5.77               |
|                  | 27°F (-2.8°C)                                      | 42440                               | 41591            | 41383            | 41218              | 40847              | 5.50                   | 5.54             | 5.55             | 5.56               | 5.58               |
|                  | 32°F (0.0°C)                                       | 42004                               | 41164            | 40958            | 40794              | 40427              | 5.31                   | 5.36             | 5.37             | 5.38               | 5.40               |
|                  | 35°F (1.7°C)                                       | 41742                               | 40907            | 40702            | 40540              | 40175              | 5.20                   | 5.25             | 5.26             | 5.27               | 5.29               |
|                  | 37°F (2.8°C)                                       | 44346                               | 43459            | 43242            | 43069              | 42681              | 5.28                   | 5.32             | 5.33             | 5.34               | 5.36               |
|                  | 42°F (5.6°C)                                       | 50857                               | 49840            | 49591            | 49392              | 48948              | 5.46                   | 5.51             | 5.52             | 5.53               | 5.55               |
|                  | 44.6°F (7.0°C)                                     | 53462                               | 52392            | 52130            | 51922              | 51455              | 5.54                   | 5.58             | 5.59             | 5.61               | 5.63               |
|                  | 47°F (8.3°C)                                       | 57368                               | 56221            | 55940            | 55716              | 55214              | 5.65                   | 5.70             | 5.71             | 5.72               | 5.74               |
|                  | 52°F (11.1°C)                                      | 56367                               | 55240            | 54963            | 54744              | 54251              | 5.12                   | 5.16             | 5.17             | 5.18               | 5.20               |
|                  | 57°F (13.9°C)                                      | 55366                               | 54259            | 53987            | 53771              | 53287              | 4.58                   | 4.62             | 4.63             | 4.64               | 4.66               |
|                  | 59°F (15.0°C)                                      | 54966                               | 53866            | 53597            | 53382              | 52902              | 4.37                   | 4.40             | 4.41             | 4.42               | 4.44               |
|                  | 62°F (16.7°C)                                      | 54365                               | 53278            | 53011            | 52799              | 52324              | 4.05                   | 4.08             | 4.09             | 4.10               | 4.11               |
|                  | 64.4°F (18.0°C)                                    | 53884                               | 52807            | 52543            | 52332              | 51861              | 3.79                   | 3.82             | 3.83             | 3.84               | 3.85               |
|                  | 69.8°F (21.0°C)                                    | 52803                               | 51747            | 51488            | 51282              | 50821              | 3.21                   | 3.24             | 3.25             | 3.25               | 3.27               |
|                  | 75.2°F (24.0°C)                                    | 51722                               | 50688            | 50434            | 50232              | 49780              | 2.64                   | 2.66             | 2.66             | 2.67               | 2.68               |
| 1365             | -13°F (-25.0°C)                                    | 23895                               | 23417            | 23300            | 23207              | 22998              | 4.42                   | 4.45             | 4.46             | 4.47               | 4.49               |
|                  | -4°F (-20.0°C)                                     | 30253                               | 29648            | 29500            | 29382              | 29118              | 4.55                   | 4.59             | 4.60             | 4.61               | 4.63               |
|                  | 0°F (-17.8°C)                                      | 32760                               | 32105            | 31944            | 31817              | 31530              | 4.77                   | 4.81             | 4.82             | 4.83               | 4.85               |
|                  | 5°F (-15.0°C)                                      | 35894                               | 35176            | 35000            | 34860              | 34546              | 5.05                   | 5.09             | 5.10             | 5.11               | 5.13               |
|                  | 14°F (-10.0°C)                                     | 43816                               | 42940            | 42725            | 42554              | 42171              | 5.70                   | 5.75             | 5.76             | 5.77               | 5.80               |
|                  | 17°F (-8.3°C)                                      | 46457                               | 45528            | 45300            | 45119              | 44713              | 5.92                   | 5.97             | 5.98             | 5.99               | 6.02               |
|                  | 22°F (-5.6°C)                                      | 45989                               | 45069            | 44844            | 44664              | 44262              | 5.74                   | 5.78             | 5.79             | 5.81               | 5.83               |
|                  | 27°F (-2.8°C)                                      | 45521                               | 44610            | 44387            | 44210              | 43812              | 5.55                   | 5.60             | 5.61             | 5.62               | 5.64               |
|                  | 32°F (0.0°C)                                       | 45052                               | 44151            | 43931            | 43755              | 43361              | 5.37                   | 5.41             | 5.42             | 5.43               | 5.45               |
|                  | 35°F (1.7°C)                                       | 44772                               | 43876            | 43657            | 43482              | 43091              | 5.26                   | 5.30             | 5.31             | 5.32               | 5.34               |
|                  | 37°F (2.8°C)                                       | 47565                               | 46614            | 46381            | 46195              | 45779              | 5.33                   | 5.37             | 5.39             | 5.40               | 5.42               |
|                  | 42°F (5.6°C)                                       | 54549                               | 53458            | 53190            | 52978              | 52501              | 5.52                   | 5.56             | 5.58             | 5.59               | 5.61               |
|                  | 44.6°F (7.0°C)                                     | 57342                               | 56195            | 55914            | 55691              | 55189              | 5.59                   | 5.64             | 5.65             | 5.66               | 5.69               |
|                  | 47°F (8.3°C)                                       | 61532                               | 60302            | 60000            | 59760              | 59222              | 5.71                   | 5.75             | 5.77             | 5.78               | 5.80               |
|                  | 52°F (11.1°C)                                      | 60458                               | 59249            | 58953            | 58717              | 58189              | 5.17                   | 5.21             | 5.22             | 5.23               | 5.25               |
|                  | 57°F (13.9°C)                                      | 59385                               | 58197            | 57906            | 57674              | 57155              | 4.63                   | 4.67             | 4.68             | 4.68               | 4.70               |
|                  | 59°F (15.0°C)                                      | 58955                               | 57776            | 57487            | 57257              | 56742              | 4.41                   | 4.45             | 4.46             | 4.47               | 4.48               |
|                  | 62°F (16.7°C)                                      | 58311                               | 57145            | 56859            | 56632              | 56122              | 4.09                   | 4.12             | 4.13             | 4.14               | 4.16               |
|                  | 64.4°F (18.0°C)                                    | 57796                               | 56640            | 56356            | 56131              | 55626              | 3.83                   | 3.86             | 3.87             | 3.88               | 3.89               |
|                  | 69.8°F (21.0°C)                                    | 56636                               | 55503            | 55226            | 55005              | 54510              | 3.25                   | 3.27             | 3.28             | 3.29               | 3.30               |
|                  | 75.2°F (24.0°C)                                    | 55476                               | 54367            | 54095            | 53878              | 53394              | 2.66                   | 2.69             | 2.69             | 2.70               | 2.71               |

## APPLICATION DATA

### UNIT SELECTION

Select equipment that either matches or supports slightly more than the anticipated peak load. This provides better humidity control, fewer unit cycles, and less part-load operation.

For units used in spaces with high sensible loads, base equipment selection on unit sensible load, not on total anticipated load. Adjust for anticipated room wet bulb temperature to avoid undersizing the equipment.

### UNIT MOUNTING (OUTDOOR)

Refer to the unit's installation instructions for further details.

**Unit leveling** – For reliable operation, the units should be level in all planes.

**Clearance** – Minimum clearance (See Fig. 5 – on page 5) must be provided for airflow. The condensing units are designed for free-flow application. Air inlets and outlets should not be restricted.

**Unit location** – A location which is convenient to installation and not exposed to strong winds. A location that can bear the weight of the outdoor unit and where the outdoor unit can be mounted in a level position.

Do not install the indoor or outdoor units in a location with special environmental conditions. For those applications, contact your sales representative.

### SYSTEM OPERATING CONDITIONS

**Table 28A — Operating Range (min/max °F (°C))**

|            | Cooling & Heating        |
|------------|--------------------------|
| Outdoor DB | -13 / 122°F (-25 / 50°C) |

### METERING DEVICES

The outdoor unit has an electronic expansion valve to manage the refrigerant flow of the connected fan coil.

### DRAIN CONNECTIONS

Install the drains in accordance with the local plumbing codes.

### REFRIGERANT LINES

#### General refrigerant line sizing:

1. The outdoor units are shipped with a full charge of R-454B refrigerant. All charges, line sizing, and capacities are based on runs of 25 ft. (7.6 m). For runs over 25 ft. (7.6 m), review [Table 29](#) section for the proper charge adjustments.
2. Refrigerant lines should not be buried in the ground. If it is necessary to bury the lines, do not bury the lines more than 36-in (914 mm). Provide a minimum 6-in (152 mm) vertical rise to the service valves to prevent refrigerant migration.
3. Both lines must be insulated. Use a minimum of 1/2-in. (12.7 mm) thick insulation. Closed-cell insulation is recommended in all long line applications.
4. Special consideration should be given to isolating the interconnecting tubing from the building structure. Isolate the tubing so vibration or noise is not transmitted into the structure.

### Long Line Applications:

1. No change in line sizing is required.
2. Add refrigerant per the Additional Charge table.

**Table 29 – Additional Charge**

| Unit Size | Indoor Unit Metering Device | Total Line Length ft (m) |          | Additional Charge oz/ft (g/m) |                    |
|-----------|-----------------------------|--------------------------|----------|-------------------------------|--------------------|
|           |                             | Min                      | Max      | >10-25 ft (3-8m)              | >25-213 ft (8-65m) |
| 36K       | None                        | 10 (3)                   | 246 (75) | None                          | 0.32 (30)          |
| 48K       |                             |                          |          |                               |                    |
| 58K       |                             |                          |          |                               |                    |

### WIRING

All wires must be sized per NEC (National Electrical Code) or CEC (Canadian Electrical Code) and local codes. Use Electrical Data table MCA (minimum circuit amps) and MOCP (maximum over current protection) to correctly size the wires and the disconnect fuse or breakers respectively.

### SIZES 36-58 RECOMMENDED CONNECTION METHOD FOR POWER AND COMMUNICATION WIRING

**Power and Communication Wiring:** The main power is supplied to the outdoor unit. The field supplied power wiring from the outdoor unit to the indoor unit consists of three (3) wires and provides the power for the indoor unit. Two wires are high voltage AC power and one is a ground wire. To minimize voltage drop, the factory recommended wire size is 14/2 stranded with a ground.

**Communication Wiring:** A separate shielded stranded copper conductor only, with a 600 volt rating and double insulated copper wire, must be used as the communication wire from the outdoor unit to the indoor unit.

**NOTE:** Use a separate shielded 16GA stranded control wire.

**Table 30 — Wiring Sizes 36 – 58**

| Cable                  | Cable Size | Remarks                               |
|------------------------|------------|---------------------------------------|
| Power Connection Cable | 14AWG      | 2 wire + Ground 1ϕ 208/230 V          |
| Communication Cable    | 16AWG      | 2 wire stranded shielded control wire |



## WARNING

#### EQUIPMENT DAMAGE HAZARD

Failure to follow this caution may result in equipment damage or improper operation. Wires should be sized based on NEC and local codes.



## CAUTION

### EQUIPMENT DAMAGE HAZARD

Failure to follow this caution may result in equipment damage or improper operation. Be sure to comply with local codes while running wire from the indoor unit to the outdoor unit. Every wire must be connected firmly. Loose wiring may cause the terminal to overheat or result in unit malfunction. A fire hazard may also exist. Ensure all wiring is tightly connected.

No wire should touch the refrigerant tubing, compressor or any moving parts. Disconnecting means must be provided and shall be located within sight and readily accessible from the air conditioner. Route the cable & conduit through the hole in the conduit panel.

**NOTE:** The main power is supplied to the outdoor unit. When disconnecting the power of the outdoor unit, the indoor unit would lose power. A disconnect switch is not required on the Indoor unit side on the wiring between the Outdoor and Indoor unit. A 3 pole disconnect may be used for extra protection between the Indoor and Outdoor Unit. A separate power is required for an Auxiliary Electric Heater.

## AIR FLOW DATA

Refer to [Table 5](#) for complete specifications.

**Table 31 – Airflow Data**

| System Size   | 36K    | 48K    | 58K    |
|---------------|--------|--------|--------|
| Outdoor (CFM) | 2414.6 | 4240.3 | 4240.3 |

## SOUND PRESSURE AND SOUND POWER

Refer to [Table 5](#) for complete specifications.

### OUTDOOR UNIT SOUND PRESSURE TEST CONDITIONS

Refer to [Table 5](#) for complete specifications.

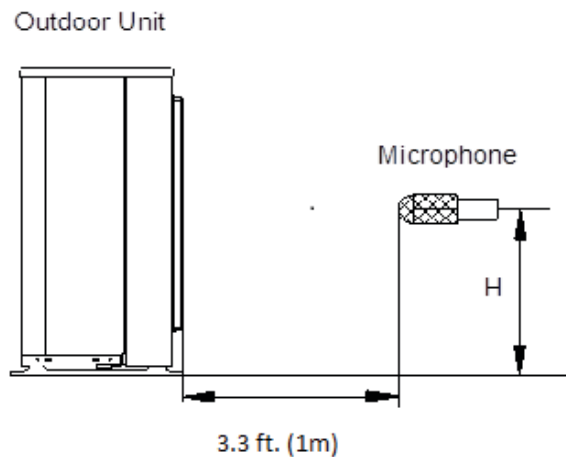


**Fig. 7 – Outdoor Unit Sound Pressure Test Conditions**

**NOTE:** H=0.5 x Height of outdoor unit

**Table 32 – Outdoor Unit Sound Pressure Test Conditions**

|         | INDOOR CONDITION |               | OUTDOOR CONDITION |               |
|---------|------------------|---------------|-------------------|---------------|
|         | DB               | WB            | DB                | WB            |
| Cooling | 80.6°F (27°C)    | 66.2°F (19°C) | 95°F (35°C)       | 75.2°F (24°C) |
| heating | 68°F (20°C)      | 59°F (15°C)   | 44.6°F (7°C)      | 42.8°F (6°C)  |

## FAN AND MOTOR AND ELECTRICAL SPECIFICATIONS

Refer to [Table 5](#) for complete specifications.

WIRING DIAGRAMS

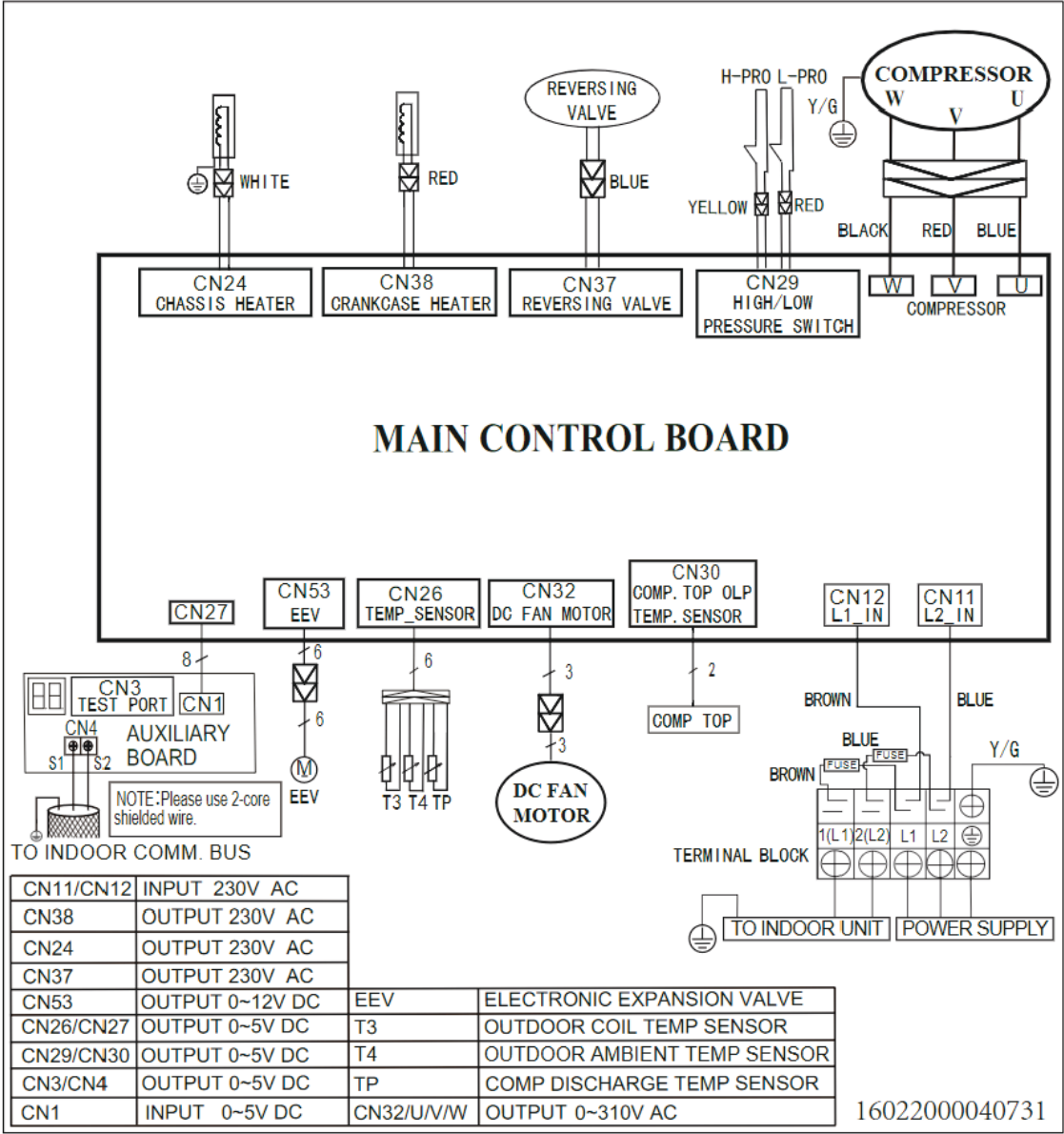
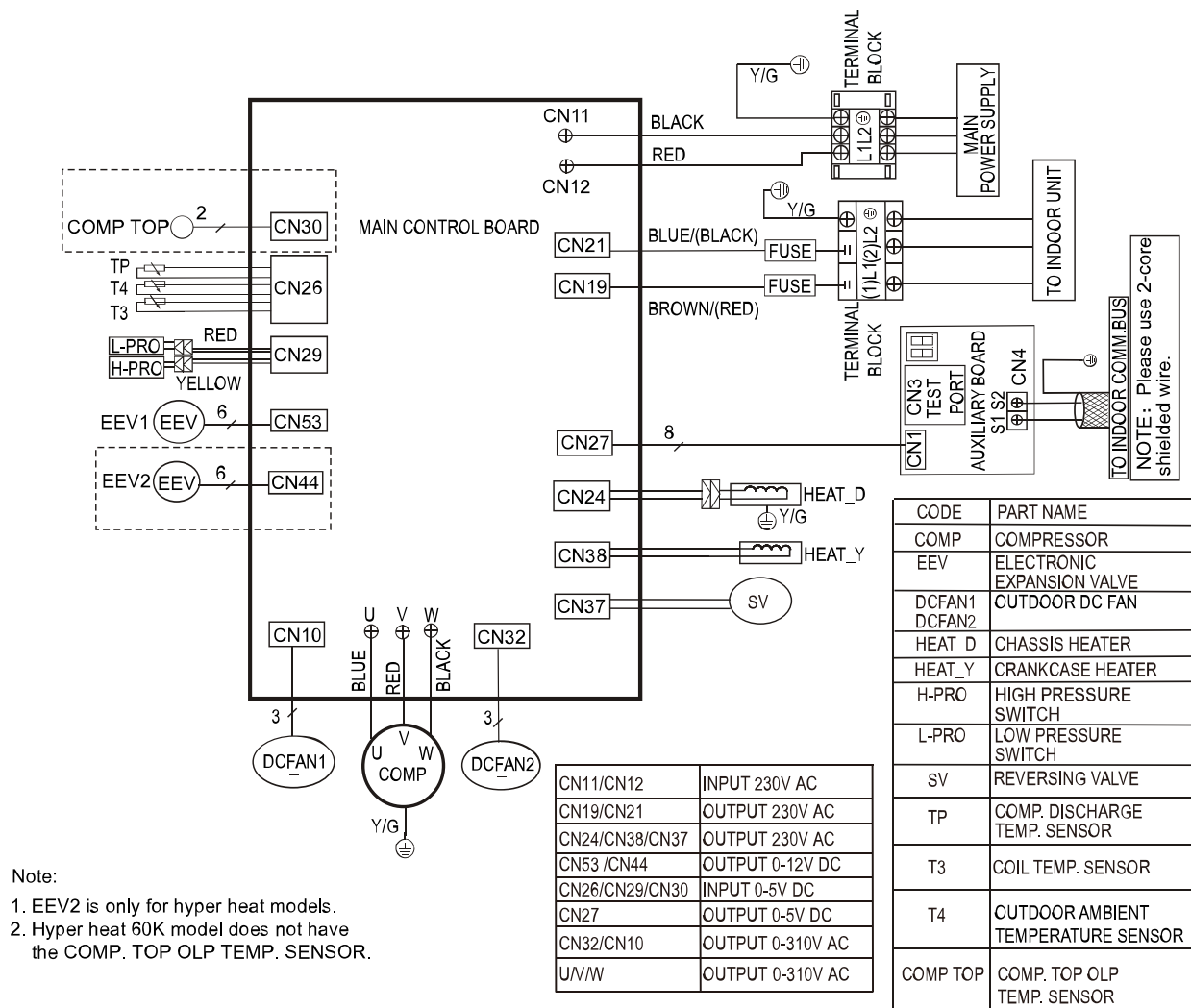


Fig. 8 – 36K Wiring Diagram



### Fig. 9 – 48K / 58K Wiring Diagram

**GUIDE SPECIFICATIONS****SINGLE-ZONE DUCTLESS OUTDOOR UNITS**

Size Range: 3 to 5 Ton Nominal Cooling and Heating Capacity

Model Number: 37MBRAQ

**Part 1 - General****1.01 System Description**

- a. Outdoor air-cooled split system compressor sections suitable for on-the-ground, rooftop, wall hung or balcony mounting. Units consist of a rotary compressor, an air-cooled coil, propeller-type draw-through outdoor fan, reversing valve (HP), accumulator (HP units), metering device(s), and a control box. Units discharge air horizontally as shown on the contract drawings. Units function as the outdoor component of an air-to-air heat pump system.
- b. Units are to be used in a refrigeration circuit matched to ductless heat pump fan coil units.

**1.02 Agency Listings**

- a. Unit construction complies with ANSI/ASHRAE 15, latest revision, and with the NEC.
- b. Units are evaluated in accordance with the UL standard 60335-2-40/ CSA C22.2 No. 60335-2-40.
- c. Units are listed in CEC directory.
- d. Unit cabinet is capable of withstanding the 500-hour salt spray test per Federal Test Standard no. 141 (method 6061).
- e. Air-cooled condenser coils are leak tested at 550 psig.

**1.03 Delivery, Storage, And Handling**

Units are shipped in one piece and are stored and handled per the manufacturer's recommendations.

**1.04 Warranty (For Inclusion By Specifying Engineer)****Part 2 - Products****2.01 Equipment****1. General:**

Factory assembled, single piece, air-cooled outdoor unit. Contained within the enclosure are the factory wiring, piping, controls, and the compressor.

**2. Unit Cabinet:**

- a. The unit cabinet is constructed of galvanized steel, bonderized and coated with baked-enamel finish on the inside and outside.
- b. The unit access panels are removable and provide full access to the compressor, fan, and the control components.
- c. The outdoor compartment is isolated and has an acoustic lining to assure a quiet operation.

**3. Fans:**

- a. The outdoor fans are direct-drive propeller type, and discharge air horizontally. The fan draws air through the outdoor coil.
- b. Outdoor fan motors are totally-enclosed, single phase motors with class E insulation and permanently lubricated ball bearings. The motor is protected by internal thermal overload protection.
- c. The shaft has an inherent corrosion resistance.
- d. Fan blades are non-metallic and statically and dynamically balanced.
- e. Outdoor fan openings are equipped with a PVC metal/mesh coated protection grille over the fan.

**4. Compressor:**

- a. The compressor is the fully hermetic variable speed rotary type.
- b. The compressor is equipped with an oil system, operating oil charge, and motor.
- c. The motor is NEMA rated class E, suitable for operation in a refrigerant atmosphere.
- d. The compressor assembly is installed on rubber vibration isolators.

**5. Outdoor Coil:**

The coil is constructed of aluminum hydrophilic pre-coated fins mechanically bonded to seamless copper tubes, which are cleaned, dehydrated and sealed.

**6. Refrigerant Components:**

Refrigerant circuit components include multiple brass external liquid line service valves with a service gauge connection port, multiple suction line service valves with a service gauge connection port, accumulator, reversing valve, and electronic expansion valves.

**7. Safety:**

Operating safety features are factory selected, assembled, and tested. The minimum functions include the following:

- a. Compressor discharge over temperature protection.
- b. System low voltage protection.
- c. Compressor overload protection.
- d. Compressor over current protection.
- e. IPM module protection.

**8. Electrical Requirements:**

- a. Units operate on single-phase, 60 Hz power at 208/230v.
- b. The unit electrical power is a single point connection.
- c. All power and control wiring must be installed per NEC and all local electrical codes.
- d. Units have multiple terminal blocks to connect to multiple indoor units.

