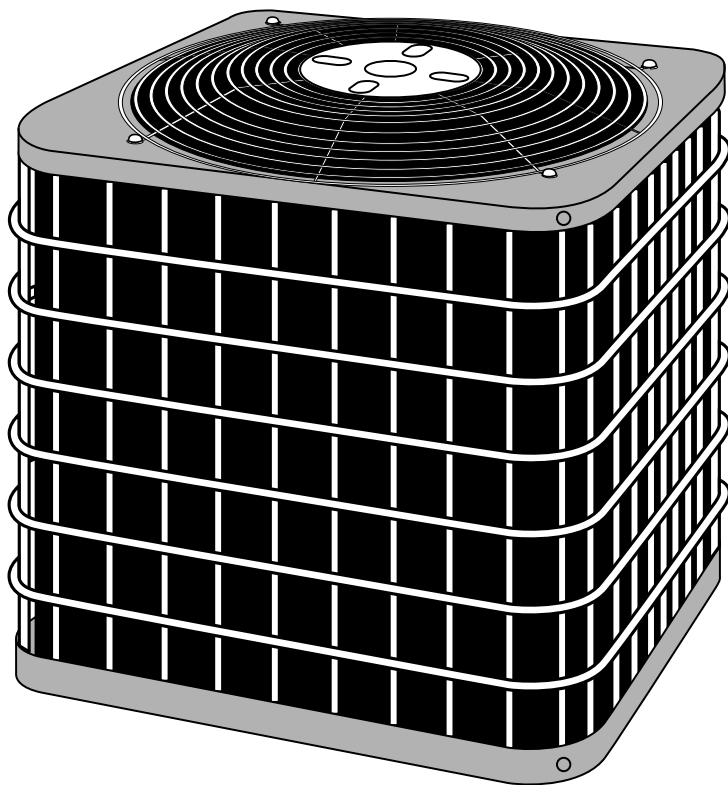




## Product Data

## 38BRC (60 Hz) Air Conditioner

Sizes 024 thru 060



Model 38BRC Energy-Efficient Air Conditioner incorporates innovative technology to provide quiet, reliable cooling performance. Built into these units are the features most desired by homeowners today, including SEER ratings of at least 12.0 when used with specific Carrier indoor sections. All models are listed with UL, c-UL, ARI, CEC, and CSA-EEV. The 38BRC meets the Energy Star<sup>SM</sup> guidelines for energy efficiency.

### FEATURES/BENEFITS

**Electrical Range** — All units are offered in single phase 208/230v. The 38BRC 036 through 060 models are offered in 208/230v 3 phase.

**Wide Range of Sizes** — Available in 6 nominal sizes from 024 through 060 to meet the needs of residential and light commercial applications.

**Compressor** — This unit features a scroll compressor. This compressor is significantly more efficient than conventional compressors. Its simple design offers improved reliability. Each compressor is mounted on rubber isolators for additional sound reduction. Scroll compressors start under most system loads, minimizing the need for start assistance components. For improved serviceability, the 024 through 042 models are equipped with a compressor terminal plug. Continuous operation is approved down to 55°F (12.8°C) in the cooling mode. (See cooling performance tables.) Operation down to 0°F or -20°F is approved when low-ambient requirements are met.

**Weather Armor II Cabinet** — The access panels and top are protected

with a galvanized coating, then treated with a layer of zinc phosphate to which a modified polyester powder coating is applied and baked on. This provides each unit with a hard, smooth finish that will last for many years.

All screws on cabinet exterior are coated for a long-lasting, rust-resistant, quality appearance.

**Totally Enclosed Fan Motor** —

Means greater reliability under adverse weather conditions and dependable performance for many years. Permanent-split-capacitor-type motors provide more economical operation.

**Unit Design** — Copper tube, enhanced sine wave aluminum fin coil is designed for optimum heat transfer. Vertical air discharge carries sound and

hot condenser air up and away from adjacent patio areas and foliage. Heat pump style drain pan for easy removal of water, dirt, and leaves.

**Application Versatility** — The

38BRC can be combined with a wide variety of evaporator coils and blower packages to provide quiet, dependable comfort. Unit can be installed on a roof or at ground level.

**External Service Valves** — Both service valves are brass, front seating type with sweat connections. Valves are externally located so refrigerant tube connections can be made quickly and easily. Each valve has a service port for ease of checking operating refrigerant pressures.

**Easy Serviceability** — One access panel provides access to electrical control box. Removal of top gives access to fan motor, coil, and compressor.

**Compressor Protection** — Includes a suction tube accumulator on the 048 and 060 sizes that reduces the amount of liquid refrigerant reaching the compressor. All compressors are protected by internal temperature and current sensitive overloads. An internal pressure relief is provided for high-pressure protection.

**Limited Warranty** — Standard 1-year warranty on all parts, with an additional 4-year warranty on the compressor.



CERTIFICATION APPLIES  
ONLY WHEN THE  
COMPLETE SYSTEM  
IS LISTED WITH ARI.



As an ENERGY  
STAR<sup>SM</sup> Partner,  
Carrier Corporation has  
determined that this  
product meets the  
ENERGY STAR  
guidelines for energy  
efficiency.



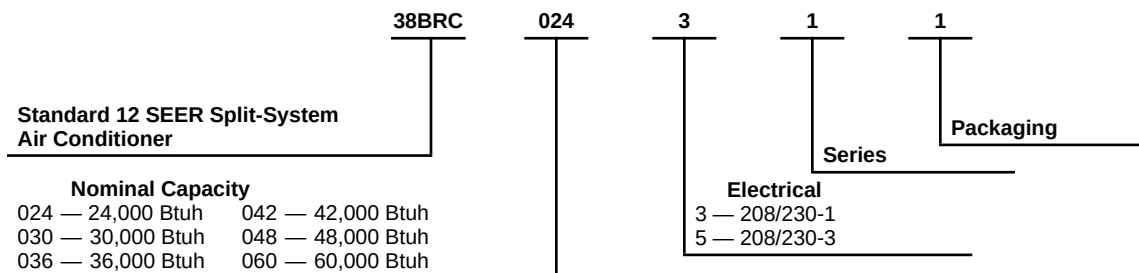
APPROVALS  
ISO 9001  
EN 29001  
BS 5750 PART 1  
ANSI/ASQC Q91

CERTIFICATE NO. FM 28768

REGISTERED QUALITY SYSTEM



## Model number nomenclature



# Physical data

| UNIT SIZE-SERIES                                                                                                                                                                   | 024-31                                   | 030-31    | 036-30,50/<br>32,52/53                   | 042-30,50/<br>32,52/53 | 048-30/32, 52       | 060-30/32, 52 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------|------------------------------------------|------------------------|---------------------|---------------|
| OPERATING WEIGHT (Lb)                                                                                                                                                              | 147                                      | 161       | 173/169/173                              | 186/180/186            | 231/237             | 260/264       |
| COMPRESSOR<br>Manufacturer<br>Type                                                                                                                                                 | Copeland                                 |           | Millennium/Copeland/Millennium<br>Scroll |                        | Millennium/Copeland |               |
| REFRIGERANT<br>Control<br>Charge (Lb) @ 15 Ft                                                                                                                                      | R-22<br>AccuRater® (Bypass Type)         |           |                                          |                        |                     |               |
|                                                                                                                                                                                    | 5.25                                     | 6.25      | 7.10/6.50/7.10                           | 8.38/6.75/8.38         | 10.45               | 12.88         |
| CONDENSER FAN<br>Air Discharge<br>Air Qty (CFM)<br>Motor HP<br>Motor RPM                                                                                                           | Propeller Type, Direct Drive<br>Vertical |           |                                          |                        |                     |               |
|                                                                                                                                                                                    | 1800                                     | 2500      | 3300 / 2800, 3300 / 3300                 |                        | 3300 / 2800, 3300   | 3300          |
|                                                                                                                                                                                    | 1/15                                     | 1/8       | 1/4 /1/5, 1/4/1/4                        | 1/4 /1/5, 1/4/1/4      | 1/4 / 1/5, 1/4      | 1/4           |
|                                                                                                                                                                                    | 820                                      | 825       | 1125 / 825, 1125/1125                    |                        | 1125 / 825, 1125    | 1125          |
| CONDENSER COIL<br>Face Area (Sq ft)<br>Fins per In.<br>Rows<br>Circuits                                                                                                            | Copper Tube, Aluminum Plate Fin          |           |                                          |                        |                     |               |
|                                                                                                                                                                                    | 14.9/12.4                                | 18.7/14.9 | 18.7/14.9/18.7                           | 22.4/18.7/22.4         | 18.7                | 22.4          |
|                                                                                                                                                                                    | 25                                       | 25        | 25                                       | 25                     | 20                  | 23            |
|                                                                                                                                                                                    | 1                                        | 1         | 1                                        | 1                      | 2                   | 2             |
|                                                                                                                                                                                    | 2                                        | 2         | 3                                        | 4/3/4                  | 5                   | 6             |
| VALVE CONNECT. (In. ID)<br>Vapor<br>Liquid                                                                                                                                         | Sweat                                    |           |                                          |                        |                     |               |
|                                                                                                                                                                                    | 5/8                                      | 3/4       | 3/4                                      | 7/8                    | 7/8                 | 7/8           |
|                                                                                                                                                                                    |                                          |           |                                          | 3/8                    |                     |               |
| REFRIG TUBES* (In. OD)<br>Vapor (0-50 Ft Tube Length)<br>Vapor (Max Diameter for<br>Long-Line Applications)<br>Liquid (0-50 Ft Tube Length)<br>Liquid (For Long-Line Applications) |                                          |           |                                          |                        |                     |               |
|                                                                                                                                                                                    | 5/8                                      | 3/4       | 3/4                                      | 7/8                    | 7/8                 | 1-1/8         |
|                                                                                                                                                                                    | 3/4                                      | 7/8       | 7/8                                      | 1-1/8                  | 1-1/8               | 1-1/8         |
|                                                                                                                                                                                    |                                          |           |                                          | 3/8                    |                     |               |
|                                                                                                                                                                                    |                                          |           |                                          | 3/8                    |                     |               |

\* Tube sizes are for runs up to 50 ft. For tube sets between 50 and 175 ft, consult Residential Split System Long-Line Application Guideline.

**NOTE:** See unit Installation Instructions for proper installation.

## ACCURATER® PISTON CHART

| UNIT SIZE-SERIES       | PISTON<br>IDENTIFICATION NO. |
|------------------------|------------------------------|
| 024-31                 | 61                           |
| 030-31                 | 70                           |
| 036-30, 50, 32, 52, 53 | 73                           |
| 042-30, 50, 53         | 84                           |
| 042-32, 52             | 82                           |
| 048-30, 32, 52         | 90                           |
| 060-30, 32, 52         | 104                          |

\* Piston listed is for any approved non-capillary tube coil combination.  
Piston is shipped with outdoor unit and must be installed in an approved indoor coil.

## CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

| UNIT SIZE-SERIES | REQUIRED SUBCOOLING (°F) |
|------------------|--------------------------|
| 024-31           | 13                       |
| 030-31           | 11                       |
| 036-30, 50, 53   | 13                       |
| 036-32, 52       | 14                       |
| 042-30, 50, 53   | 9                        |
| 042-32, 52       | 12                       |
| 048-30           | 10                       |
| 048-32, 52       | 11                       |
| 060-30           | 8                        |
| 060-32, 52       | 11                       |

# Accessories

| ORDERING NO.     | DESCRIPTION                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------|
| KAATD0101TDR     | Time-Delay Relay — All Sizes                                                                            |
| KSALA0201R22     | Low-Ambient Pressure Switch                                                                             |
| P251-0083 (RCD)  | Low-Ambient Controller — All Sizes                                                                      |
| 32LT660004 (RCD) | MotorMaster® Control — All Sizes                                                                        |
| HC38GE230 (RCD)  | Ball Bearing Fan Motor — Sizes 024, 030, 036 (32, 52), 042 (32, 52), 048 (32)                           |
| HC40GE230 (RCD)  | Ball Bearing Fan Motor — Sizes 036 (30, 50, 53), 042 (30, 50, 53), 048 (30, 52), 060                    |
| KAAFT0101AAA     | Evaporator Freeze Thermostat — All Sizes                                                                |
| KAAWS0101AAA     | Winter Start Control — All Sizes                                                                        |
| Standard         | Cycle Protector — Sizes 036 (30), 042 (30), 048 (30), 060 (30)                                          |
| KSACY0101AAA     | Cycle Protector — Sizes 024, 030, 036 (32, 50, 52, 53), 042 (32, 50, 52, 53) 048 (32, 52), 060 (32, 52) |
| KSAHS1501AAA     | Start Assist — Capacitor and Relay — Sizes 024, 030, 036 (30, 32), 042 (30, 32)                         |
| KSAHS1601AAA     | Start Assist — Capacitor and Relay — Sizes 048 (30, 32), 060 (30, 32)                                   |
| N/A              | Start Assist — Capacitor and Relay — Sizes 036 (50, 52, 53), 042 (50, 52, 53), 048 (52), 060 (52)       |
| Standard         | Start Assist — PTC — Sizes 048 (30), 060 (30)                                                           |
| KAACS0201PTC     | Start Assist — PTC — Sizes 024, 030, 036 (32), 042 (30, 32), 048 (32), 060 (32)                         |
| N/A              | Start Assist — PTC — Sizes 036 (50, 52, 53), 042 (50, 52, 53) 048 (52), 060 (52)                        |
| KAACH1201AAA     | Crankcase Heater — Sizes 024–042                                                                        |
| Standard         | Crankcase Heater — Sizes 048, 060                                                                       |
| KSASH0601COP     | Sound Hood — Sizes 036, 042                                                                             |
| KSASH1801COP     | Sound Hood — Sizes 024, 030                                                                             |
| KSASH2101COP     | Sound Hood — Sizes 048, 060                                                                             |
| KAATX0301RPB     | TXV Kit (RPB) — Size 024                                                                                |
| KAATX0401RPB     | TXV Kit (RPB) — Size 030                                                                                |
| KAATX0501RPB     | TXV Kit (RPB) — Sizes 036, 042                                                                          |
| KAATX0601RPB     | TXV Kit (RPB) — Size 048                                                                                |
| KAATX0701RPB     | TXV Kit (RPB) — Size 060                                                                                |
| KSATX0601HSO     | TXV Kit (Hard Shutoff) — Size 024–042                                                                   |
| KSATX0701HSO     | TXV Kit (Hard Shutoff) — Size 048, 060                                                                  |
| KAALP0101LPS     | Low-Pressure Switch — All Sizes                                                                         |
| KSAHI0101HPS     | High-Pressure Switch — All Sizes                                                                        |
| P502-8083S (RCD) | Filter Drier — Sizes 024–036                                                                            |
| P502-8163S (RCD) | Filter Drier — Sizes 042–060                                                                            |
| KAALS0101LLS     | Liquid-Line Solenoid Valve — All Sizes                                                                  |
| KAACF0401MED     | Coastal Filter — Sizes 024–036                                                                          |
| KAACF0501LRG     | Coastal Filter — Sizes 042–060                                                                          |

N/A — Not applicable in this application.

| THERMOSTAT/SUBBASE PKG. | DESCRIPTION                                                                       |
|-------------------------|-----------------------------------------------------------------------------------|
| TSTATCCNAC01-A          | Thermostat—Auto Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1- Stage Cool  |
| TSTATCCPAC01-A          | Thermostat—Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool |
| TSTATCCPRH01-A          | Thermidistat™ Control—Programmable Thermostat with Humidity Control               |
| --HH--07AT-213          | Thermostat—Manual Changeover, Non-Programmable, °F, 1-Stage Heat, 1-Stage cool    |
| TSTATXXSEN01            | Outdoor Air Temperature Sensor                                                    |
| TSTATXXNBP01            | Backplate for Non-Programmable Thermostat                                         |
| TSTATXXPBP01            | Backplate for Programmable Thermostat                                             |
| TSTATXXCNV10            | Thermostat Conversion Kit (4 to 5 Wire) — 10 Pack                                 |

## Accessory usage guideline

| ACCESSORY                                                                   | REQUIRED FOR LOW-AMBIENT APPLICATIONS (Below 55°F) | REQUIRED FOR LONG-LINE APPLICATIONS* (Over 50 Ft) | REQUIRED FOR BURIED LINE APPLICATIONS† (Over 3 Ft) | REQUIRED FOR SEA COAST APPLICATIONS (Within 2 Miles) |
|-----------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|----------------------------------------------------|------------------------------------------------------|
| Crankcase Heater                                                            | Yes                                                | Yes                                               | Yes                                                | No                                                   |
| Evaporator Freeze Thermostat                                                | Yes                                                | No                                                | No                                                 | No                                                   |
| Winter Start Control                                                        | Yes‡                                               | No                                                | No                                                 | No                                                   |
| Accumulator                                                                 | No                                                 | No                                                | Yes                                                | No                                                   |
| Compressor Start Assist Capacitor and Relay                                 | Yes                                                | Yes                                               | Yes                                                | No                                                   |
| Low-Ambient Controller, MotorMaster® Control or Low-Ambient Pressure Switch | Yes                                                | No                                                | No                                                 | No                                                   |
| Wind Baffle                                                                 | See Low-Ambient Instructions                       | No                                                | No                                                 | No                                                   |
| Coastal Filter                                                              | No                                                 | No                                                | No                                                 | Yes                                                  |
| Support Feet                                                                | Recommended                                        | No                                                | No                                                 | Recommended                                          |
| Liquid-Line Solenoid Valve or Hard Shutoff TXV                              | No                                                 | See Long-Line Application Guideline               | Yes                                                | No                                                   |
| Ball Bearing Fan Motor                                                      | Yes**                                              | No                                                | No                                                 | No                                                   |

\* For tubing lines sets between 50 and 175 ft, refer to the Residential Split-System Long-Line Application Guideline.

† For buried line applications, refer to the Residential Split-System Buried Line Application Guideline.

‡ Only when low-pressure switch is used.

\*\* Required for Low-Ambient Controller (full modulation feature) and MotorMaster® Control only.

## Accessory description and usage (Listed alphabetically)

### 1. Ball Bearing Fan Motor

A fan motor with ball bearings which permits speed reduction while maintaining bearing lubrication.

SUGGESTED USE: Required on all units where Low-Ambient Controller (full modulation feature) or MotorMaster® Control has been added.

### 2. Coastal Filter

A mesh screen inserted under the top cover and inside the base pan to protect the condenser coil from salt damage without restricting airflow.

SUGGESTED USE: In geographic areas where salt damage could occur.

### 3. Compressor Start Assist — Capacitor and Relay

Start capacitor and start relay gives “hard” boost to compressor motor at each start-up.

SUGGESTED USE: Installations where interconnecting tube length exceeds 50 ft.

Installations where outdoor design temperature exceeds 105°F (40.6°C).

Installations where Liquid-Line Solenoid Valve has been added.

### 4. Compressor Start Assist — PTC

Solid state electrical device which gives a “soft” boost to compressor at each start-up.

SUGGESTED USE: Installations with marginal power supply.

Replacement installations with rapid pressure balance (RPB) expansion valve on indoor coil.

Replacement installations with undersized interconnecting refrigerant tubes.

### 5. Crankcase Heater

An electric resistance heater which mounts to the base of the compressor to keep the lubricant warm during off cycles. Improves compressor lubrication on restart and minimizes chance of refrigerant slugging. May or may not include a thermostat control.

SUGGESTED USE: When interconnecting tube length exceeds 50 ft.

When unit will be operated below 55°F (12.8°C) outdoor air temperature. (Use with Low-Ambient Controller.)

All commercial installations.

### 6. Cycle Protector

Solid-state timing device which prevents compressor rapid recycling. Control provides an approximate 5-minute delay after power to the compressor has been interrupted for any reason, including normal room thermostat cycling.

SUGGESTED USE: Installations in areas where power interruptions are frequent.

Where user is likely to “play” with the room thermostat.

All commercial installations.

Installations where interconnecting tube length exceeds 50 ft.

High-rise applications.

### 7. Evaporator Freeze Thermostat

An SPST temperature actuated switch which stops unit operation when evaporator reaches freeze-up conditions.

SUGGESTED USE: All units where Winter Start Control has been added.

### 8. Filter Drier

A device for removing contaminants from refrigerant circulating in an air conditioner: 1-direction flow.

SUGGESTED USE: All split system air conditioners.

## Accessory description and usage (Listed alphabetically continued)

### 9. High-Pressure Switch

Auto reset SPST switch activated by refrigerant pressure on high side of refrigerant circuit. Cycles compressor off if refrigerant pressure rises to  $400 \pm 10$  psig and resets at  $298 \pm 20$  psig. Provides protection against compressor damage due to loss of outdoor airflow. To prevent rapid compressor recycling, Cycle Protector can be used with this switch.

SUGGESTED USE: Installations exposed to very “dirty” outdoor air.

Installations where condenser inlet air temperature exceeds  $125^{\circ}\text{F}$  ( $51.7^{\circ}\text{C}$ ).

### 10. Liquid-Line Solenoid Valve

An electrically operated shutoff valve to be installed at the outdoor or indoor unit (depending on tubing configuration) which stops and starts refrigerant liquid flow in response to compressor operation. Maintains a column of refrigerant liquid ready for action at next compressor operation cycle.

**NOTE:** Compressor Start Assist — Capacitor and Relay must also be used. Do not use with hard shutoff TXV.

SUGGESTED USE: For improved system performance in air conditioners for certain combinations of indoor and outdoor units. Refer to ARI Unitary Directory.

In certain long-line applications. Refer to Long-Line Application Guideline.

### 11. Low-Ambient Controller

Head pressure controller is a cycle control device activated by a temperature sensor mounted on a header tube of the outdoor coil. It is designed to cycle the outdoor fan motors in order to maintain condensing temperature within normal operating limits (approximately  $100^{\circ}\text{F}$  high and  $60^{\circ}\text{F}$  low). The control will maintain working head pressure at low-ambient temperatures down to  $0^{\circ}\text{F}$  when properly installed.

SUGGESTED USE: Cooling operation at outdoor temperatures below  $55^{\circ}\text{F}$  ( $12.8^{\circ}\text{C}$ ).

### 12. Low-Ambient Pressure Switch

A long life pressure switch which is mounted to outdoor unit service valve. It is designed to cycle the outdoor fan motor in order to maintain head pressure within normal operating limits (approximately 100 psig to 225 psig). The control will maintain working head pressure at low-ambient temperatures down to  $0^{\circ}\text{F}$  when properly installed.

SUGGESTED USE: Cooling operation at outdoor temperatures below  $55^{\circ}\text{F}$  ( $12.8^{\circ}\text{C}$ ).

### 13. Low-Pressure Switch

Auto reset SPST switch activated by refrigerant pressure on low side of refrigerant circuit. Cycles compressor off if refrigerant pressure drops to about 27 psig. Prevents indoor coil freeze-up due to loss of indoor airflow. Also, provides additional protection against compressor damage due to loss of refrigerant charge.

To prevent rapid compressor recycling, Cycle Protector can be used with this switch.

SUGGESTED USE: Where indoor coil is exposed to “dirty” air.

All commercial installations.

### 14. MotorMaster® Control

A fan speed control device activated by temperature sensor. Designed to control condenser fan motor speed in response to the saturated, condensing temperature during operation in cooling mode only. For outdoor temperatures down to  $-20^{\circ}\text{F}$ , it maintains condensing temperature at  $100^{\circ}\text{F} \pm 10^{\circ}\text{F}$ .

SUGGESTED USE: Cooling operation at outdoor temperatures below  $55^{\circ}\text{F}$ .

All commercial installations.

### 15. Outdoor Air Temperature Sensor

A device that allows the temperature at a remote location (outdoors) to be displayed at the thermostat.

SUGGESTED USE: All Carrier programmable thermostats.

### 16. Sound Hood

Wrap around sound attenuation cover for the compressor. Reduces unit sound level by about 2 dBA.

SUGGESTED USE: Unit installed closer than 15 ft to quiet areas — bedrooms, etc.

Unit installed between 2 houses less than 10 ft apart.

### 17. Thermostatic Expansion Valve (TXV)

A modulating flow control valve which meters refrigerant liquid flow rate into the evaporator in response to the superheat of the refrigerant gas leaving the evaporator. Kit includes valve, adapter tubes, and external equalizer tube. Both hard shutoff and RPB type valves are available. Do not use hard shutoff TXV with Liquid-Line Solenoid Valve.

SUGGESTED USE: For improved system performance in cooling mode for certain combinations of indoor and outdoor units. Refer to ARI Unitary Directory.

Required for use on all zoning systems.

### 18. Time-Delay Relay

An SPST delay relay which briefly continues operation of the indoor blower motor to provide additional cooling after the compressor cycles off.

SUGGESTED USE: For improved efficiency ratings for certain combinations of indoor and outdoor units. Refer to ARI Unitary Directory.

Required for us on all zoning systems.

### 19. Winter Start Control

An SPST delay relay which bypasses the low-pressure switch for approximately 3 minutes to permit start-up for cooling operation under low-load conditions.

SUGGESTED USE: All air conditioners where Low-Ambient Controller has been added.

# Electrical data

| UNIT<br>SIZE-SERIES | V/PH      | OPER VOLTS* |     | COMPRESSOR |      | FAN<br>FLA | MCA  | 60°C<br>MIN<br>WIRE<br>SIZE† | 75°C<br>MIN<br>WIRE<br>SIZE† | 60°C<br>MAX<br>LENGTH<br>(Ft)‡ | 75°C<br>MAX<br>LENGTH<br>(Ft)‡ | MAX FUSE** OR<br>HACR TYPE<br>CKT BKR AMPS |
|---------------------|-----------|-------------|-----|------------|------|------------|------|------------------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------------------|
|                     |           | Max         | Min | LRA        | RLA  |            |      |                              |                              |                                |                                |                                            |
| 024-31              | 208/230/1 | 253         | 187 | 56.0       | 11.4 | 0.5        | 14.8 | 14                           | 14                           | 53                             | 50                             | 25                                         |
| 030-31              |           |             |     | 72.5       | 15.0 | 0.8        | 19.6 | 14                           | 14                           | 39                             | 37                             | 30                                         |
| 036-30              |           |             |     | 95.0       | 16.7 | 1.4        | 22.3 | 12                           | 12                           | 55                             | 52                             | 30                                         |
| 036-32              |           |             |     | 88.0       | 17.9 | 1.1        | 23.5 | 12                           | 12                           | 52                             | 50                             | 30                                         |
| 042-30              |           |             |     | 115.0      | 19.9 | 1.4        | 26.3 | 10                           | 10                           | 74                             | 70                             | 40                                         |
| 042-32              |           |             |     | 104.0      | 20.0 | 1.1        | 26.1 | 10                           | 10                           | 74                             | 70                             | 40                                         |
| 048-30              |           |             |     | 140.0      | 24.4 | 1.4        | 31.9 | 8                            | 8                            | 97                             | 59                             | 50                                         |
| 048-32              |           |             |     | 129.0      | 23.7 | 1.1        | 30.5 | 8                            | 8                            | 100                            | 61                             | 50                                         |
| 060-30              |           |             |     | 175.0      | 28.9 | 1.4        | 37.5 | 8                            | 8                            | 82                             | 78                             | 60                                         |
| 060-32              |           |             |     | 169.0      | 28.8 | 1.4        | 37.4 | 8                            | 8                            | 82                             | 78                             | 60                                         |
| 036-50, 53          | 208/230/3 | 253         | 187 | 75.0       | 10.6 | 1.4        | 14.7 | 14                           | 14                           | 53                             | 50                             | 20                                         |
| 036-52              |           |             |     | 77.0       | 11.4 | 1.4        | 15.7 | 14                           | 14                           | 49                             | 47                             | 20                                         |
| 042-50, 53          |           |             |     | 90.0       | 13.4 | 1.4        | 18.2 | 14                           | 14                           | 49                             | 47                             | 25                                         |
| 042-52              |           |             |     | 88.0       | 13.9 | 1.4        | 18.8 | 14                           | 14                           | 41                             | 39                             | 25                                         |
| 048-52              |           |             |     | 120.0      | 15.0 | 1.4        | 20.2 | 12                           | 12                           | 60                             | 57                             | 30                                         |
| 060-52              |           |             |     | 137.0      | 19.3 | 1.4        | 25.5 | 10                           | 10                           | 77                             | 73                             | 40                                         |

\* Permissible limits of the voltage range at which unit will operate satisfactorily. Operation outside these limits may result in unit failure.

† If wire is applied at ambient greater than 30°C (86°F), consult Table 310-16 of the NEC (ANSI/NFPA 70).

The ampacity of nonmetallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C (140°F) conductors, per the NEC (ANSI/NFPA 70) Article 336-30. If other than uncoated (non-plated), 60° or 75°C (140° or 167°F) insulation, copper wire (solid wire for 10 AWG and smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (ANSI/NFPA 70).

‡ Length shown is as measured 1 way along wire path between the unit and service panel for a voltage drop not to exceed 2%.

\*\* Time-delay fuse.

**FLA** — Full Load Amps

**HACR** — Heating, Air Conditioning, Refrigeration

**LRA** — Locked Rotor Amps

**MCA** — Minimum Circuit Amps

**RLA** — Rated Load Amps

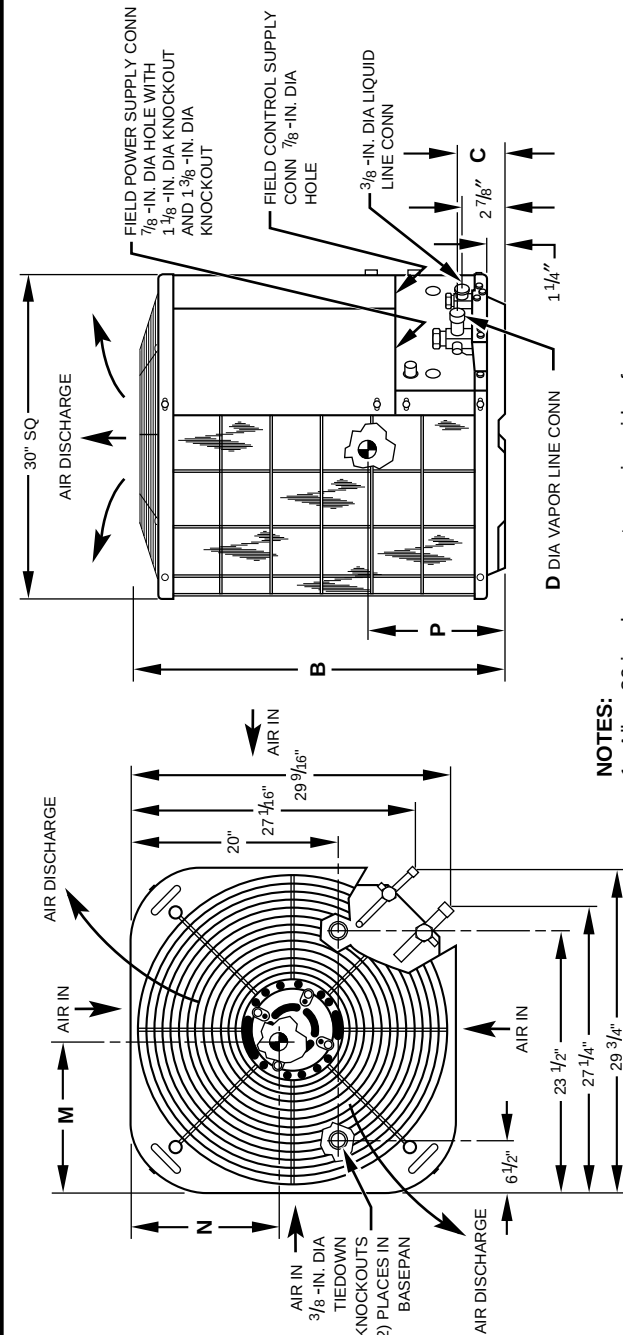
## NOTES:

1. Control circuit is 24v on all units and requires external power source.
2. Copper wire must be used from service disconnect to unit.
3. All motors/compressors contain internal overload protection.

## SOUND RATING (dBA)

| UNIT SIZE-SERIES       | SOUND RATING |
|------------------------|--------------|
| 024-31                 | 78           |
| 030-31                 | 78           |
| 036-30, 50, 32, 52, 53 | 82           |
| 042-30, 50, 32, 52, 53 | 82           |
| 048-30, 32, 52         | 82           |
| 060-30, 32, 52         | 82           |

# Dimensions



**NOTES:**

1. Allow 30 in. clearance to service side of unit, 48 in. above unit, 6 in. on one side, 12 in. on remaining side, and 24 in. between units for proper airflow.
2. Minimum outdoor operating ambient in cooling mode is 55°F, max. 125°F.
3. Series designation is the 13th position of the unit model number.
4. Center of gravity .

A97075

**DIMENSIONS (IN.)**

| UNIT SIZE | SERIES     | B        | C      | D   | M      | N      | P  | MINIMUM MOUNTING PAD DIMENSIONS |
|-----------|------------|----------|--------|-----|--------|--------|----|---------------------------------|
| 024       | 31         | 23-15/16 | 3-3/16 | 5/8 | 14-3/4 | 14     | 10 | 30 X 30                         |
| 030       | 31         | 27-15/16 | 3-3/16 | 3/4 | 14-3/4 | 14     | 11 | 30 X 30                         |
| 036       | 30, 50, 53 | 33-15/16 | 3-3/16 | 3/4 | 14-3/4 | 14     | 13 | 30 X 30                         |
| 036       | 32, 52     | 27-15/16 | 3-3/16 | 3/4 | 14-3/4 | 14     | 11 | 30 X 30                         |
| 042       | 30, 50, 53 | 39-15/16 | 3-1/4  | 7/8 | 14-3/4 | 14     | 15 | 30 X 30                         |
| 042       | 32, 52     | 33-15/16 | 3-1/4  | 7/8 | 14-3/4 | 14     | 13 | 30 X 30                         |
| 048       | 30         | 33-15/16 | 3-1/4  | 7/8 | 15-1/2 | 14-3/4 | 13 | 30 X 30                         |
| 048       | 32, 52     | 33-15/16 | 3-1/4  | 7/8 | 15-1/2 | 14-3/4 | 13 | 30 X 30                         |
| 060       | 30         | 39-15/16 | 3-1/4  | 7/8 | 15-1/2 | 14-3/4 | 15 | 30 X 30                         |
| 060       | 32, 52     | 39-15/16 | 3-1/4  | 7/8 | 15-1/2 | 14-3/4 | 15 | 30 X 30                         |

# Combination ratings

| UNIT<br>SIZE-SERIES | INDOOR<br>MODEL                                | TOT. CAP.<br>BTUH  | FACTORY-<br>SUPPLIED<br>ENHANCE-<br>MENT | SEER               |                                                |           |       | EER   |       |
|---------------------|------------------------------------------------|--------------------|------------------------------------------|--------------------|------------------------------------------------|-----------|-------|-------|-------|
|                     |                                                |                    |                                          | STANDARD<br>RATING | CARRIER GAS<br>FURNACE OR<br>ACCESSORY<br>TDR† | ACCESSORY |       |       |       |
|                     |                                                |                    |                                          |                    |                                                | TXV‡      | LLS   |       |       |
| 024-31              | CC5A/CD5A/CD5BA024*                            | 23,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.80 |       |
|                     | CC5A/CD5A/CD5BA030                             | 23,400             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.90 |       |
|                     | CC5A/CD5A/CD5BW024                             | 23,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.80 |       |
|                     | CC5A/CD5A/CD5BW030                             | 23,400             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.90 |       |
|                     | CD3(A,B)A024                                   | 23,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.80 |       |
|                     | CD3(A,B)A030                                   | 23,400             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.90 |       |
|                     | CE3AA024                                       | 23,400             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.90 |       |
|                     | CE3AA030                                       | 23,600             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 11.00 |       |
|                     | CF5AA024                                       | 23,400             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.90 |       |
|                     | CG5AA024                                       | 23,400             | TXV                                      | —                  | 12.00                                          | —         | 12.00 | 10.90 |       |
|                     | CJ5A/CK5A/CK5BA024                             | 23,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.80 |       |
|                     | CJ5A/CK5A/CK5BA030                             | 23,400             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.95 |       |
|                     | CJ5A/CK5A/CK5BW024                             | 23,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.80 |       |
|                     | CJ5A/CK5A/CK5BW030                             | 23,400             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.95 |       |
|                     | CK3BA024                                       | 23,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.80 |       |
|                     | CK3BA030                                       | 23,400             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.95 |       |
|                     | CM5A/CM5B024                                   | 23,400             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 11.10 |       |
|                     | F(A,B)4AN(F,C)024                              | 23,200             | TDR                                      | 12.00              | —                                              | 12.00     | —     | 10.90 |       |
|                     | F(A,B)4AN(F,C)030                              | 23,600             | TDR                                      | 12.20              | —                                              | 12.20     | —     | 11.15 |       |
|                     | FC4BNF024                                      | 23,200             | TDR & TXV                                | 12.00              | —                                              | —         | —     | 10.90 |       |
|                     | FC4BNF030                                      | 23,600             | TDR & TXV                                | 12.20              | —                                              | —         | —     | 11.15 |       |
|                     | FC4BNF033                                      | 24,000             | TDR & TXV                                | 12.40              | —                                              | —         | —     | 11.35 |       |
|                     | FD3ANA024                                      | 23,200             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 11.00 |       |
|                     | FD3ANA030                                      | 23,800             | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 11.05 |       |
|                     | FF1(A,B,C)NA024                                | 23,200             | TDR                                      | 12.00              | —                                              | 12.00     | —     | 10.80 |       |
|                     | FF1(A,B,C)NA030                                | 23,400             | TDR                                      | 12.20              | —                                              | 12.20     | —     | 11.05 |       |
|                     | FG3AAA024                                      | 23,000             | NONE                                     | —                  | 11.80                                          | 11.80     | 11.80 | 10.65 |       |
|                     | FK4CNF001                                      | 23,800             | TDR & TXV                                | 13.00              | —                                              | —         | —     | 12.30 |       |
|                     | FK4CNF002                                      | 23,800             | TDR & TXV                                | 13.50              | —                                              | —         | —     | 12.40 |       |
|                     | FK4CNF003                                      | 23,800             | TDR & TXV                                | 14.00              | —                                              | —         | —     | 12.70 |       |
|                     | COILS + 58MVP040-14 VARIABLE-SPEED FURNACE     |                    |                                          |                    |                                                |           |       |       |       |
|                     |                                                | CC5A/CD5A/CD5BA024 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CC5A/CD5A/CD5BA030 | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CC5A/CD5A/CD5BW024 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CC5A/CD5A/CD5BW030 | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CD3(A,B)A024       | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CD3(A,B)A030       | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CJ5A/CK5A/CK5BW030 | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CK3BA024           | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CK3BA030           | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     | COILS + 58MVP060-14 VARIABLE-SPEED FURNACE     |                    |                                          |                    |                                                |           |       |       |       |
|                     |                                                | CC5A/CD5A/CD5BA024 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CC5A/CD5A/CD5BA030 | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CC5A/CD5A/CD5BW024 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CC5A/CD5A/CD5BW030 | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CD3(A,B)A024       | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CD3(A,B)A030       | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CJ5A/CK5A/CK5BW024 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CJ5A/CK5A/CK5BW030 | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CK3BA024           | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CK3BA030           | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     | COILS + 58MVP080-14 VARIABLE-SPEED FURNACE     |                    |                                          |                    |                                                |           |       |       |       |
|                     |                                                | CC5A/CD5A/CD5BA024 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CC5A/CD5A/CD5BA030 | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CC5A/CD5A/CD5BW024 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CC5A/CD5A/CD5BW030 | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CD3(A,B)A024       | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.65 |
|                     |                                                | CD3(A,B)A030       | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CJ5A/CK5A/CK5BW024 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CJ5A/CK5A/CK5BW030 | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 12.15 |
|                     |                                                | CK3BA024           | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CK3BA030           | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 12.15 |
|                     | COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE |                    |                                          |                    |                                                |           |       |       |       |
|                     |                                                | CC5A/CD5A/CD5BA024 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.75 |
|                     |                                                | CC5A/CD5A/CD5BA030 | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CC5A/CD5A/CD5BW024 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.75 |
|                     |                                                | CC5A/CD5A/CD5BW030 | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CD3(A,B)A024       | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.75 |
|                     |                                                | CD3(A,B)A030       | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.95 |
|                     |                                                | CE3AA024           | 23,400                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.80 |
|                     |                                                | CE3AA030           | 23,600                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 12.05 |
|                     |                                                | CJ5A/CK5A/CK5BA024 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.85 |
|                     |                                                | CJ5A/CK5A/CK5BA030 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 12.10 |
|                     |                                                | CJ5A/CK5A/CK5BW030 | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 12.10 |
|                     |                                                | CK3BA024           | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.85 |
|                     |                                                | CK3BA030           | 23,200                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 12.10 |
| 030-31              | CC5A/CD5A/CD5BA030*                            | 29,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.70 |       |
|                     | CC5A/CD5A/CD5BA036                             | 29,600             | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 11.15 |       |
|                     | CC5A/CD5A/CD5BW030                             | 29,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.70 |       |
|                     | CD3(A,B)A030                                   | 29,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.70 |       |
|                     | CD3(A,B)A036                                   | 29,600             | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 11.15 |       |
|                     | CD5A/CD5BW036                                  | 29,600             | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 11.15 |       |

See notes on pg. 15.

# Combination ratings continued

| UNIT<br>SIZE-SERIES | INDOOR<br>MODEL                                | TOT. CAP.<br>BTUH | FACTORY-<br>SUPPLIED<br>ENHANCE-<br>MENT | SEER               |                                                |           |       | EER   |  |
|---------------------|------------------------------------------------|-------------------|------------------------------------------|--------------------|------------------------------------------------|-----------|-------|-------|--|
|                     |                                                |                   |                                          | STANDARD<br>RATING | CARRIER GAS<br>FURNACE OR<br>ACCESSORY<br>TDR† | ACCESSORY |       |       |  |
|                     |                                                |                   |                                          |                    |                                                | TXV‡      | LLS   |       |  |
| 030-31              | CE3AA030                                       | 29,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.85 |  |
|                     | CE3AA036                                       | 29,600            | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 10.95 |  |
|                     | CF5AA036                                       | 29,600            | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 11.05 |  |
|                     | CG5AA036                                       | 29,600            | TXV                                      | —                  | 12.20                                          | —         | 12.20 | 11.05 |  |
|                     | CJ5A/CK5A/CK5BA030                             | 29,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.75 |  |
|                     | CJ5A/CK5A/CK5BA036                             | 29,600            | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 11.15 |  |
|                     | CJ5A/CK5A/CK5BN036                             | 27,600            | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 11.15 |  |
|                     | CJ5A/CK5A/CK5BW030                             | 29,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.75 |  |
|                     | CJ5A/CK5A/CK5BW036                             | 29,600            | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 11.15 |  |
|                     | CK3BA030                                       | 29,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.75 |  |
|                     | CK3BA036                                       | 29,600            | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 11.15 |  |
|                     | CM5A/CM5B036                                   | 29,600            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 11.25 |  |
|                     | F(A,B)4AN(F,C)030                              | 29,200            | TDR                                      | 12.10              | —                                              | 12.10     | —     | 10.90 |  |
|                     | F(A,B)4AN(F,C)036                              | 29,600            | TDR                                      | 12.00              | —                                              | 12.00     | —     | 10.85 |  |
|                     | FC4BNF030                                      | 29,200            | TDR & TXV                                | 12.10              | —                                              | —         | —     | 10.90 |  |
|                     | FC4BNF036                                      | 29,600            | TDR & TXV                                | 12.00              | —                                              | —         | —     | 10.85 |  |
|                     | FC4BNF033                                      | 30,000            | TDR & TXV                                | 12.50              | —                                              | —         | —     | 11.20 |  |
|                     | FD3ANA030                                      | 29,200            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.70 |  |
|                     | FF1(A,B,C)NA030                                | 29,000            | TDR                                      | 12.00              | —                                              | 12.00     | —     | 10.85 |  |
|                     | FG3AAA036                                      | 29,600            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.85 |  |
|                     | FK4CNF001                                      | 29,400            | TDR & TXV                                | 13.00              | —                                              | —         | —     | 11.80 |  |
|                     | FK4CNF002                                      | 29,400            | TDR & TXV                                | 13.00              | —                                              | —         | —     | 11.90 |  |
|                     | FK4CNF003                                      | 29,800            | TDR & TXV                                | 13.50              | —                                              | —         | —     | 12.35 |  |
|                     | FK4CNF005                                      | 30,000            | TDR & TXV                                | 14.00              | —                                              | —         | —     | 12.85 |  |
|                     | COILS + 58MVP040-14 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |  |
|                     | CC5A/CD5A/CD5BA030                             | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |  |
|                     | CC5A/CD5A/CD5BA036                             | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | CC5A/CD5A/CD5BW030                             | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |  |
|                     | CD3(A,B)A030                                   | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |  |
|                     | CD3(A,B)A036                                   | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | CD5A/CD5BW036                                  | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | CJ5A/CK5A/CK5BW030                             | 29,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.25 |  |
|                     | CJ5A/CK5A/CK5BW036                             | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | CK3BA030                                       | 29,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.25 |  |
|                     | CK3BA036                                       | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | COILS + 58MVP060-14 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |  |
|                     | CC5A/CD5A/CD5BA030                             | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |  |
|                     | CC5A/CD5A/CD5BA036                             | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | CC5A/CD5A/CD5BW030                             | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |  |
|                     | CD3(A,B)A030                                   | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |  |
|                     | CD3(A,B)A036                                   | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | CD5A/CD5BW036                                  | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | CJ5A/CK5A/CK5BA036                             | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | CJ5A/CK5A/CK5BW030                             | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.25 |  |
|                     | CK3BA030                                       | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.25 |  |
|                     | CK3BA036                                       | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | COILS + 58MVP080-14 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |  |
|                     | CC5A/CD5A/CD5BA030                             | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |  |
|                     | CC5A/CD5A/CD5BA036                             | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | CC5A/CD5A/CD5BW030                             | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |  |
|                     | CD3(A,B)A030                                   | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |  |
|                     | CD3(A,B)A036                                   | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | CD5A/CD5BW036                                  | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |  |
|                     | CJ5A/CK5A/CK5BW030                             | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |  |
|                     | CJ5A/CK5A/CK5BW036                             | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.95 |  |
|                     | CK3BA030                                       | 29,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |  |
|                     | CK3BA036                                       | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.95 |  |
|                     | COILS + 58MVP080-20 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |  |
|                     | CJ5A/CK5A/CK5BW030                             | 29,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.20 |  |
|                     | CJ5A/CK5A/CK5BW036                             | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.80 |  |
|                     | CK3BA030                                       | 29,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.20 |  |
|                     | CK3BA036                                       | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.80 |  |
|                     | COILS + 58MVP100-20 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |  |
|                     | CJ5A/CK5A/CK5BW030                             | 29,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.60 |  |
|                     | CJ5A/CK5A/CK5BW036                             | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 12.20 |  |
|                     | CK3BA030                                       | 29,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.60 |  |
|                     | CK3BA036                                       | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 12.20 |  |
|                     | COILS + 58MVP120-20 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |  |
|                     | CJ5A/CK5A/CK5BW036                             | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 12.15 |  |
|                     | CK3BA030                                       | 29,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.55 |  |
|                     | CK3BA036                                       | 29,600            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 12.15 |  |
|                     | COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE |                   |                                          |                    |                                                |           |       |       |  |
|                     | CC5A/CD5A/CD5BA030                             | 29,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.35 |  |
|                     | CC5A/CD5A/CD5BA036                             | 29,600            | TDR                                      | 13.50              | —                                              | 13.50     | —     | 11.90 |  |
|                     | CC5A/CD5A/CD5BW030                             | 29,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.35 |  |
|                     | CD3(A,B)A030                                   | 29,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.35 |  |
|                     | CD3(A,B)A036                                   | 29,600            | TDR                                      | 13.50              | —                                              | 13.50     | —     | 11.90 |  |
|                     | CD5A/CD5BW036                                  | 29,600            | TDR                                      | 13.50              | —                                              | 13.50     | —     | 11.90 |  |
|                     | CE3AA030                                       | 29,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.50 |  |
|                     | CE3AA036                                       | 29,600            | TDR                                      | 13.20              | —                                              | 13.20     | —     | 11.65 |  |

See notes on pg. 15.

# Combination ratings continued

| UNIT<br>SIZE-SERIES                        | INDOOR<br>MODEL                                | TOT. CAP.<br>BTUH   | FACTORY-<br>SUPPLIED<br>ENHANCE-<br>MENT | SEER               |                                                |           |       | EER   |
|--------------------------------------------|------------------------------------------------|---------------------|------------------------------------------|--------------------|------------------------------------------------|-----------|-------|-------|
|                                            |                                                |                     |                                          | STANDARD<br>RATING | CARRIER GAS<br>FURNACE OR<br>ACCESSORY<br>TDR† | ACCESSORY |       |       |
|                                            |                                                |                     |                                          |                    |                                                | TXV‡      | LLS   |       |
| 030-31                                     | CJ5A/CK5A/CK5BA030                             | 29,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.45 |
|                                            | CJ5A/CK5A/CK5BA036                             | 29,600              | TDR                                      | 13.50              | —                                              | 13.50     | —     | 12.00 |
|                                            | CJ5A/CK5A/CK5BN036                             | 27,600              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.85 |
|                                            | CJ5A/CK5A/CK5BW030                             | 29,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.45 |
|                                            | CK3BA030                                       | 29,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.45 |
|                                            | CK3BA036                                       | 29,600              | TDR                                      | 13.50              | —                                              | 13.50     | —     | 12.00 |
|                                            | COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE |                     |                                          |                    |                                                |           |       |       |
|                                            | CC5A/CD5A/CD5BA030                             | 29,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.35 |
|                                            | CC5A/CD5A/CD5BA036                             | 29,600              | TDR                                      | 13.50              | —                                              | 13.50     | —     | 11.90 |
|                                            | CC5A/CD5A/CD5BW030                             | 29,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.35 |
|                                            | CD3(A,B)A030                                   | 29,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.35 |
|                                            | CD3(A,B)A036                                   | 29,600              | TDR                                      | 13.50              | —                                              | 13.50     | —     | 11.90 |
|                                            | CD5A/CD5BW036                                  | 29,600              | TDR                                      | 13.50              | —                                              | 13.50     | —     | 11.90 |
|                                            | CE3AA030                                       | 29,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.50 |
|                                            | CE3AA036                                       | 29,600              | TDR                                      | 13.20              | —                                              | 13.20     | —     | 11.65 |
|                                            | CJ5A/CK5A/CK5BW030                             | 29,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.60 |
|                                            | CJ5A/CK5A/CK5BW036                             | 29,600              | TDR                                      | 13.50              | —                                              | 13.50     | —     | 12.20 |
|                                            | CK3BA030                                       | 29,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.60 |
|                                            | CK3BA036                                       | 29,600              | TDR                                      | 13.50              | —                                              | 13.50     | —     | 12.20 |
|                                            | 036-30, 50,<br>32, 52, 53                      | CC5A/CD5A/CD5BA036* | 35,000                                   | NONE               | —                                              | 12.00     | 12.00 | 12.00 |
| CC5A/CD5A/CD5BA042                         |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CC5A/CD5A/CD5BW042                         |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.50 |
| CD3(A,B)A036                               |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CD3(A,B)A042                               |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CD5A/CD5BW036                              |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CE3AA036                                   |                                                | 35,000              | NONE                                     | —                  | 11.80                                          | 11.80     | 11.80 | 10.45 |
| CE3AA042                                   |                                                | 35,400              | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.65 |
| CF5AA036                                   |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.55 |
| CG5AA036                                   |                                                | 35,000              | TXV                                      | —                  | 12.00                                          | —         | 12.00 | 10.55 |
| CJ5A/CK5A/CK5BA036                         |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CJ5A/CK5A/CK5BA042                         |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CJ5A/CK5A/CK5BN036                         |                                                | 33,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CJ5A/CK5A/CK5BN042                         |                                                | 33,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CJ5A/CK5A/CK5BW036                         |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CK3BA036                                   |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CK3BA042                                   |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CM5A/CM5B036                               |                                                | 34,600              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
| CM5A/CM5B042                               |                                                | 35,000              | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.65 |
| F(A,B)4AN(F,C)036                          |                                                | 35,000              | TDR                                      | 11.50              | —                                              | 11.50     | —     | 10.25 |
| F(A,B)4AN(F,B,C)042                        |                                                | 35,400              | TDR                                      | 12.00              | —                                              | 12.00     | —     | 10.55 |
| FC4BN(F,B)042                              |                                                | 35,400              | TDR & TXV                                | 12.00              | —                                              | —         | —     | 10.55 |
| FC4BNB054                                  |                                                | 36,000              | TDR & TXV                                | 13.00              | —                                              | —         | —     | 11.30 |
| FC4BNF033                                  |                                                | 35,400              | TDR & TXV                                | 12.00              | —                                              | —         | —     | 10.50 |
| FC4BNF036                                  |                                                | 35,000              | TDR & TXV                                | 11.50              | —                                              | —         | —     | 10.25 |
| FC4BNF038                                  |                                                | 35,800              | TDR & TXV                                | 12.50              | —                                              | —         | —     | 10.85 |
| FG3AAA036                                  |                                                | 34,600              | NONE                                     | —                  | 11.80                                          | 11.80     | 11.80 | 10.35 |
| FK4CNB006                                  |                                                | 36,000              | TDR & TXV                                | 14.00              | —                                              | —         | —     | 12.30 |
| FK4CNF001                                  |                                                | 34,400              | TDR & TXV                                | 12.00              | —                                              | —         | —     | 10.95 |
| FK4CNF002                                  |                                                | 34,600              | TDR & TXV                                | 12.00              | —                                              | —         | —     | 10.95 |
| FK4CNF003                                  |                                                | 35,000              | TDR & TXV                                | 13.00              | —                                              | —         | —     | 11.55 |
| FK4CNF005                                  |                                                | 35,600              | TDR & TXV                                | 13.50              | —                                              | —         | —     | 12.00 |
| COILS + 58MVP040-14 VARIABLE-SPEED FURNACE |                                                |                     |                                          |                    |                                                |           |       |       |
| CC5A/CD5A/CD5BA036                         |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
| CC5A/CD5A/CD5BA042                         |                                                | 35,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
| CC5A/CD5A/CD5BW042                         |                                                | 35,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
| CD3(A,B)A036                               |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
| CD3(A,B)A042                               |                                                | 35,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
| CD5A/CD5BW036                              |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
| CJ5A/CK5A/CK5BA042                         |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.25 |
| CJ5A/CK5A/CK5BW036                         |                                                | 35,000              | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.20 |
| CK3BA036                                   |                                                | 35,000              | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.20 |
| CK3BA042                                   |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.25 |
| COILS + 58MVP060-14 VARIABLE-SPEED FURNACE |                                                |                     |                                          |                    |                                                |           |       |       |
| CC5A/CD5A/CD5BA036                         |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
| CC5A/CD5A/CD5BA042                         |                                                | 35,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
| CC5A/CD5A/CD5BW042                         |                                                | 35,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
| CD3(A,B)A036                               |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
| CD3(A,B)A042                               |                                                | 35,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
| CD5A/CD5BW036                              |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
| CJ5A/CK5A/CK5BA036                         |                                                | 35,000              | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |
| CJ5A/CK5A/CK5BN042                         |                                                | 34,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.25 |
| CK3BA036                                   |                                                | 35,000              | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |
| CK3BA042                                   |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.25 |
| COILS + 58MVP080-14 VARIABLE-SPEED FURNACE |                                                |                     |                                          |                    |                                                |           |       |       |
| CC5A/CD5A/CD5BA036                         |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
| CC5A/CD5A/CD5BA042                         |                                                | 35,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
| CC5A/CD5A/CD5BW042                         |                                                | 35,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
| CD3(A,B)A036                               |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
| CD3(A,B)A042                               |                                                | 35,000              | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
| CD5A/CD5BW036                              |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
| CJ5A/CK5A/CK5BA042                         |                                                | 35,000              | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.35 |
| CJ5A/CK5A/CK5BW036                         |                                                | 35,000              | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.30 |

See notes on pg. 15.

# Combination ratings continued

| UNIT<br>SIZE-SERIES       | INDOOR<br>MODEL                                | TOT. CAP.<br>BTUH | FACTORY-<br>SUPPLIED<br>ENHANCE-<br>MENT | SEER               |                                                |           |       | EER   |
|---------------------------|------------------------------------------------|-------------------|------------------------------------------|--------------------|------------------------------------------------|-----------|-------|-------|
|                           |                                                |                   |                                          | STANDARD<br>RATING | CARRIER GAS<br>FURNACE OR<br>ACCESSORY<br>TDR† | ACCESSORY |       |       |
|                           |                                                |                   |                                          |                    |                                                | TXV‡      | LLS   |       |
| 036-30, 50,<br>32, 52, 53 | COILS + 58MVP080-20 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |
|                           | CJ5A/CK5A/CK5BA042                             | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.25 |
|                           | CJ5A/CK5A/CK5BW036                             | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |
|                           | CK3BA036                                       | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |
|                           | CK3BA042                                       | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.25 |
|                           | COILS + 58MVP100-20 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |
|                           | CC5A/CD5A/CD5BA036                             | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
|                           | CC5A/CD5A/CD5BA042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
|                           | CC5A/CD5A/CD5BW042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
|                           | CD3(A,B)A036                                   | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
|                           | CD3(A,B)A042                                   | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |
|                           | CD5A/CD5BW036                                  | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |
|                           | CJ5A/CK5A/CK5BA042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.50 |
|                           | CJ5A/CK5A/CK5BW036                             | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.45 |
|                           | CK3BA036                                       | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.45 |
|                           | CK3BA042                                       | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.50 |
|                           | COILS + 58MVP120-20 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |
|                           | CJ5A/CK5A/CK5BA042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.45 |
|                           | CJ5A/CK5A/CK5BW036                             | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.40 |
|                           | COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE |                   |                                          |                    |                                                |           |       |       |
|                           | CC5A/CD5A/CD5BA036                             | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.10 |
|                           | CC5A/CD5A/CD5BA042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CC5A/CD5A/CD5BW042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CD3(A,B)A036                                   | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.10 |
|                           | CD3(A,B)A042                                   | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CD5A/CD5BW036                                  | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.10 |
|                           | CE3AA036                                       | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 10.95 |
|                           | CE3AA042                                       | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CJ5A/CK5A/CK5BA036                             | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |
|                           | CJ5A/CK5A/CK5BN036                             | 33,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.00 |
|                           | CK3BA036                                       | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |
|                           | CK3BA042                                       | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.20 |
|                           | COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE |                   |                                          |                    |                                                |           |       |       |
|                           | CC5A/CD5A/CD5BA036                             | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.10 |
|                           | CC5A/CD5A/CD5BA042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CC5A/CD5A/CD5BW042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CD3(A,B)A036                                   | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.10 |
|                           | CD3(A,B)A042                                   | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CD5A/CD5BW036                                  | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.10 |
|                           | CE3AA036                                       | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 10.95 |
|                           | CE3AA042                                       | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CJ5A/CK5A/CK5BA042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.40 |
|                           | CJ5A/CK5A/CK5BW036                             | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.30 |
|                           | CK3BA036                                       | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.30 |
|                           | CK3BA042                                       | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.40 |
|                           | COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE |                   |                                          |                    |                                                |           |       |       |
|                           | CC5A/CD5A/CD5BA036                             | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.10 |
|                           | CC5A/CD5A/CD5BA042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CC5A/CD5A/CD5BW042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CD3(A,B)A036                                   | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.10 |
|                           | CD3(A,B)A042                                   | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CD5A/CD5BW036                                  | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.10 |
|                           | CE3AA036                                       | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 10.95 |
|                           | CE3AA042                                       | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CJ5A/CK5A/CK5BA042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.65 |
|                           | CJ5A/CK5A/CK5BW036                             | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.60 |
|                           | CK3BA036                                       | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.60 |
|                           | CK3BA042                                       | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.65 |
|                           | COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE |                   |                                          |                    |                                                |           |       |       |
|                           | CC5A/CD5A/CD5BA036                             | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.10 |
|                           | CC5A/CD5A/CD5BA042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CC5A/CD5A/CD5BW042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CD3(A,B)A036                                   | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.10 |
|                           | CD3(A,B)A042                                   | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CD5A/CD5BW036                                  | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.10 |
|                           | CE3AA036                                       | 35,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 10.95 |
|                           | CE3AA042                                       | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |
|                           | CJ5A/CK5A/CK5BA042                             | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.60 |
|                           | CJ5A/CK5A/CK5BW036                             | 35,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.50 |
|                           | CK3BA042                                       | 35,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.60 |
| 042-30, 50,<br>32, 52, 53 | CC5A/CD5A/CD5BA042*                            | 40,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
|                           | CC5A/CD5A/CD5BC048                             | 40,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.50 |
|                           | CC5A/CD5A/CD5BW042                             | 40,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.50 |
|                           | CC5A/CD5A/CD5BW048                             | 40,500            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
|                           | CD3(A,B)A042                                   | 40,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
|                           | CD3(A,B)A048                                   | 40,500            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |
|                           | CD5A/CD5BA048                                  | 40,500            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |

See notes on pg. 15.

# Combination ratings continued

| UNIT<br>SIZE-SERIES       | INDOOR<br>MODEL                                | TOT. CAP.<br>BTUH | FACTORY-<br>SUPPLIED<br>ENHANCE-<br>MENT | SEER               |                                                |           |       | EER   |  |
|---------------------------|------------------------------------------------|-------------------|------------------------------------------|--------------------|------------------------------------------------|-----------|-------|-------|--|
|                           |                                                |                   |                                          | STANDARD<br>RATING | CARRIER GAS<br>FURNACE OR<br>ACCESSORY<br>TDR† | ACCESSORY |       |       |  |
|                           |                                                |                   |                                          |                    |                                                | TXV‡      | LLS   |       |  |
| 042-30, 50,<br>32, 52, 53 | CE3AA042                                       | 40,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.65 |  |
|                           | CE3AA048                                       | 40,500            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.70 |  |
|                           | CF5AA048                                       | 40,500            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.65 |  |
|                           | CG5AA048                                       | 40,500            | TXV                                      | —                  | 12.00                                          | —         | 12.00 | 10.65 |  |
|                           | CJ5A/CK5A/CK5BA042                             | 40,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |  |
|                           | CJ5A/CK5A/CK5BA048                             | 40,500            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.65 |  |
|                           | CJ5A/CK5A/CK5BN042                             | 39,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |  |
|                           | CJ5A/CK5A/CK5BN048                             | 39,500            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.65 |  |
|                           | CJ5A/CK5A/CK5BW048                             | 40,500            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.65 |  |
|                           | CK3BA042                                       | 40,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |  |
|                           | CK3BA048                                       | 40,500            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.65 |  |
|                           | CM5A/CM5BA042                                  | 40,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.70 |  |
|                           | CM5A/CM5BA048                                  | 40,500            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.70 |  |
|                           | F(A,B)4AN(F,B,C)042                            | 40,000            | TDR                                      | 11.50              | —                                              | 11.50     | —     | 10.45 |  |
|                           | F(A,B)4AN(F,B,C)048                            | 40,500            | TDR                                      | 12.00              | —                                              | 12.00     | —     | 10.65 |  |
|                           | FC4BN(F,B)042                                  | 40,000            | TDR & TXV                                | 11.50              | —                                              | —         | —     | 10.45 |  |
|                           | FC4BN(F,B)048                                  | 40,500            | TDR & TXV                                | 12.00              | —                                              | —         | —     | 10.65 |  |
|                           | FC4BNB054                                      | 42,000            | TDR & TXV                                | 12.50              | —                                              | —         | —     | 11.35 |  |
|                           | FC4BNF038                                      | 41,000            | TDR & TXV                                | 12.00              | —                                              | —         | —     | 10.85 |  |
|                           | FG3AA048                                       | 40,500            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |  |
|                           | FK4CNB006                                      | 42,000            | TDR & TXV                                | 14.00              | —                                              | —         | —     | 12.20 |  |
|                           | FK4CNF003                                      | 41,000            | TDR & TXV                                | 12.50              | —                                              | —         | —     | 11.30 |  |
|                           | FK4CNF005                                      | 41,500            | TDR & TXV                                | 13.00              | —                                              | —         | —     | 11.85 |  |
|                           | COILS + 58MVP080-14 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |  |
|                           | CC5A/CD5A/CD5BA042                             | 40,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |  |
|                           | CC5A/CD5A/CD5BW042                             | 40,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |  |
|                           | CC5A/CD5A/CD5BW048                             | 40,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |  |
|                           | CD3(A,B)A042                                   | 40,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |  |
|                           | CD3(A,B)A048                                   | 40,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |  |
|                           | CD5A/CD5BA048                                  | 40,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |  |
|                           | CJ5A/CK5A/CK5BA042                             | 40,000            | TDR                                      | 12.00              | —                                              | 12.00     | —     | 10.65 |  |
|                           | CJ5A/CK5A/CK5BA048                             | 40,500            | TDR                                      | 12.40              | —                                              | 12.40     | —     | 10.85 |  |
|                           | CK3BA042                                       | 40,000            | TDR                                      | 12.00              | —                                              | 12.00     | —     | 10.65 |  |
|                           | CK3BA048                                       | 40,500            | TDR                                      | 12.40              | —                                              | 12.40     | —     | 10.85 |  |
|                           | COILS + 58MVP080-20 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |  |
|                           | CJ5A/CK5A/CK5BA048                             | 40,500            | TDR                                      | 12.30              | —                                              | 12.30     | —     | 10.75 |  |
|                           | CK3BA048                                       | 40,500            | TDR                                      | 12.30              | —                                              | 12.30     | —     | 10.75 |  |
|                           | COILS + 58MVP100-20 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |  |
|                           | CC5A/CD5A/CD5BA042                             | 40,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |  |
|                           | CC5A/CD5A/CD5BW042                             | 40,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |  |
|                           | CC5A/CD5A/CD5BW048                             | 40,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |  |
|                           | CD3(A,B)A042                                   | 40,000            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.15 |  |
|                           | CD3(A,B)A048                                   | 40,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |  |
|                           | CD5A/CD5BA048                                  | 40,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |  |
|                           | CJ5A/CK5A/CK5BA042                             | 40,000            | TDR                                      | 12.40              | —                                              | 12.40     | —     | 10.90 |  |
|                           | CJ5A/CK5A/CK5BA048                             | 40,500            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.10 |  |
|                           | CK3BA042                                       | 40,000            | TDR                                      | 12.40              | —                                              | 12.40     | —     | 10.90 |  |
|                           | CK3BA048                                       | 40,500            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.10 |  |
|                           | COILS + 58MVP120-20 VARIABLE-SPEED FURNACE     |                   |                                          |                    |                                                |           |       |       |  |
|                           | CJ5A/CK5A/CK5BA042                             | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.00 |  |
|                           | CJ5A/CK5A/CK5BW048                             | 40,500            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.50 |  |
|                           | CK3BA042                                       | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.00 |  |
|                           | COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE |                   |                                          |                    |                                                |           |       |       |  |
|                           | CC5A/CD5A/CD5BA042                             | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |  |
|                           | CC5A/CD5A/CD5BW042                             | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |  |
|                           | CC5A/CD5A/CD5BW048                             | 40,500            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.30 |  |
|                           | CD3(A,B)A042                                   | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |  |
|                           | CD3(A,B)A048                                   | 40,500            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.30 |  |
|                           | CD5A/CD5BA048                                  | 40,500            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.30 |  |
|                           | CE3AA042                                       | 40,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |  |
|                           | CE3AA048                                       | 40,500            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |  |
|                           | CJ5A/CK5A/CK5BA042                             | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.10 |  |
|                           | CJ5A/CK5A/CK5BA048                             | 40,500            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.25 |  |
|                           | CK3BA042                                       | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.10 |  |
|                           | CK3BA048                                       | 40,500            | TDR                                      | 12.80              | —                                              | 12.80     | —     | 11.25 |  |
|                           | COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE |                   |                                          |                    |                                                |           |       |       |  |
|                           | CC5A/CD5A/CD5BA042                             | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |  |
|                           | CC5A/CD5A/CD5BW042                             | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |  |
|                           | CC5A/CD5A/CD5BW048                             | 40,500            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.30 |  |
|                           | CD3(A,B)A042                                   | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |  |
|                           | CD3(A,B)A048                                   | 40,500            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.30 |  |
|                           | CD5A/CD5BA048                                  | 40,500            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.30 |  |
|                           | CE3AA042                                       | 40,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |  |
|                           | CE3AA048                                       | 40,500            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |  |
|                           | CJ5A/CK5A/CK5BA042                             | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.40 |  |
|                           | CJ5A/CK5A/CK5BW048                             | 40,500            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.50 |  |
|                           | CK3BA042                                       | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.40 |  |
|                           | COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE |                   |                                          |                    |                                                |           |       |       |  |
|                           | CC5A/CD5A/CD5BA042                             | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |  |
|                           | CC5A/CD5A/CD5BW042                             | 40,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |  |

See notes on pg. 15.

# Combination ratings continued

| UNIT<br>SIZE-SERIES       | INDOOR<br>MODEL                                | TOT. CAP.<br>BTUH  | FACTORY-<br>SUPPLIED<br>ENHANCE-<br>MENT | SEER               |                                                |           |       | EER   |       |
|---------------------------|------------------------------------------------|--------------------|------------------------------------------|--------------------|------------------------------------------------|-----------|-------|-------|-------|
|                           |                                                |                    |                                          | STANDARD<br>RATING | CARRIER GAS<br>FURNACE OR<br>ACCESSORY<br>TDR† | ACCESSORY |       |       |       |
|                           |                                                |                    |                                          |                    |                                                | TXV‡      | LLS   |       |       |
| 042-30, 50,<br>32, 52, 53 | CC5A/CD5A/CD5BW048                             | 40,500             | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.30 |       |
|                           | CD3(A,B)A042                                   | 40,000             | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.15 |       |
|                           | CD3(A,B)A048                                   | 40,500             | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.30 |       |
|                           | CD5A/CD5BA048                                  | 40,500             | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.30 |       |
|                           | CE3AA042                                       | 40,000             | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.20 |       |
|                           | CE3AA048                                       | 40,500             | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.25 |       |
|                           | CJ5A/CK5A/CK5BA042                             | 40,000             | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.35 |       |
|                           | CJ5A/CK5A/CK5BW048                             | 40,500             | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.50 |       |
|                           | CK3BA042                                       | 40,000             | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.35 |       |
| 048-30,<br>32, 52         | CD5A/CD5BA048*                                 | 47,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.50 |       |
|                           | CC5A/CD5A/CD5BA060                             | 47,500             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.55 |       |
|                           | CC5A/CD5A/CD5BC048                             | 46,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.40 |       |
|                           | CC5A/CD5A/CD5BW048                             | 47,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.50 |       |
|                           | CC5A/CD5A/CD5BW060                             | 47,500             | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 10.80 |       |
|                           | CD3(A,B)A048                                   | 47,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.50 |       |
|                           | CD3(A,B)A060                                   | 47,500             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.55 |       |
|                           | CE3AA048                                       | 47,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.65 |       |
|                           | CE3AA060                                       | 47,500             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.90 |       |
|                           | CF5AA048                                       | 47,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.60 |       |
|                           | CG5AA048                                       | 47,000             | TXV                                      | —                  | 12.00                                          | —         | 12.00 | 10.60 |       |
|                           | CJ5A/CK5A/CK5BA048                             | 47,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.45 |       |
|                           | CJ5A/CK5A/CK5BA060                             | 47,500             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.65 |       |
|                           | CJ5A/CK5A/CK5BN048                             | 46,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.45 |       |
|                           | CJ5A/CK5A/CK5BN060                             | 47,500             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.85 |       |
|                           | CJ5A/CK5A/CK5BW048                             | 47,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.45 |       |
|                           | CJ5A/CK5A/CK5BX060                             | 47,500             | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 10.85 |       |
|                           | CK3BA048                                       | 47,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.45 |       |
|                           | CK3BA060                                       | 47,500             | NONE                                     | —                  | 12.10                                          | 12.10     | 12.10 | 10.85 |       |
|                           | CM5A/CM5B048                                   | 46,500             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.55 |       |
|                           | F(A,B)4AN(F,B)048                              | 47,000             | TDR                                      | 12.00              | —                                              | 12.00     | —     | 10.50 |       |
|                           | F(A,B)4AN(F,B)060                              | 47,500             | TDR                                      | 12.10              | —                                              | 12.10     | —     | 10.60 |       |
|                           | FC4BN(F,B)048                                  | 47,000             | TDR & TXV                                | 12.00              | —                                              | —         | —     | 10.50 |       |
|                           | FC4BN(F,B)060                                  | 47,500             | TDR & TXV                                | 12.10              | —                                              | —         | —     | 10.60 |       |
|                           | FC4BNB054                                      | 48,000             | TDR & TXV                                | 12.50              | —                                              | —         | —     | 11.05 |       |
|                           | FG3AA048                                       | 47,000             | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.50 |       |
|                           | FG3AA060                                       | 48,000             | NONE                                     | —                  | 12.20                                          | 12.20     | 12.20 | 10.75 |       |
|                           | FK4CNB006                                      | 48,000             | TDR & TXV                                | 14.00              | —                                              | —         | —     | 11.90 |       |
|                           | FK4CNF005                                      | 47,000             | TDR & TXV                                | 13.50              | —                                              | —         | —     | 11.55 |       |
|                           | COILS + 58MVP080-14 VARIABLE-SPEED FURNACE     |                    |                                          |                    |                                                |           |       |       |       |
|                           |                                                | CJ5A/CK5A/CK5BA048 | 47,000                                   | TDR                | 12.00                                          | —         | 12.00 | —     | 10.60 |
|                           |                                                | CK3BA048           | 47,000                                   | TDR                | 12.00                                          | —         | 12.00 | —     | 10.60 |
|                           |                                                | CK3BA060           | 47,500                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 10.75 |
|                           | COILS + 58MVP080-20 VARIABLE-SPEED FURNACE     |                    |                                          |                    |                                                |           |       |       |       |
|                           |                                                | CC5A/CD5A/CD5BW060 | 47,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.25 |
|                           |                                                | CJ5A/CK5A/CK5BA048 | 47,000                                   | TDR                | 12.00                                          | —         | 12.00 | —     | 10.50 |
|                           |                                                | CJ5A/CK5A/CK5BA060 | 47,500                                   | TDR                | 12.00                                          | —         | 12.00 | —     | 10.70 |
|                           |                                                | CJ5A/CK5A/CK5BN060 | 47,500                                   | TDR                | 12.00                                          | —         | 12.00 | —     | 10.70 |
|                           |                                                | CJ5A/CK5A/CK5BX060 | 48,000                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 10.95 |
|                           |                                                | CK3BA048           | 47,000                                   | TDR                | 12.00                                          | —         | 12.00 | —     | 10.50 |
|                           |                                                | CK3BA060           | 47,500                                   | TDR                | 12.00                                          | —         | 12.00 | —     | 10.70 |
|                           | COILS + 58MVP100-20 VARIABLE-SPEED FURNACE     |                    |                                          |                    |                                                |           |       |       |       |
|                           |                                                | CC5A/CD5A/CD5BW060 | 47,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.25 |
|                           |                                                | CJ5A/CK5A/CK5BA048 | 47,000                                   | TDR                | 12.00                                          | —         | 12.00 | —     | 10.80 |
|                           |                                                | CJ5A/CK5A/CK5BA060 | 47,500                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 11.00 |
|                           |                                                | CJ5A/CK5A/CK5BN060 | 47,500                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 11.00 |
|                           |                                                | CJ5A/CK5A/CK5BX060 | 48,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.25 |
|                           |                                                | CK3BA048           | 47,000                                   | TDR                | 12.00                                          | —         | 12.00 | —     | 10.80 |
|                           |                                                | CK3BA060           | 47,500                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 11.00 |
|                           | COILS + 58MVP120-20 VARIABLE-SPEED FURNACE     |                    |                                          |                    |                                                |           |       |       |       |
|                           |                                                | CC5A/CD5A/CD5BW060 | 47,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.25 |
|                           |                                                | CJ5A/CK5A/CK5BA060 | 47,500                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 11.00 |
|                           |                                                | CJ5A/CK5A/CK5BX060 | 48,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.30 |
|                           |                                                | CK3BA060           | 47,500                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 11.00 |
|                           | COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE |                    |                                          |                    |                                                |           |       |       |       |
|                           |                                                | CC5A/CD5A/CD5BW060 | 47,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.25 |
|                           |                                                | CE3AA060           | 47,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.70 |
|                           |                                                | CJ5A/CK5A/CK5BA048 | 47,000                                   | TDR                | 12.00                                          | —         | 12.00 | —     | 10.65 |
|                           |                                                | CK3BA048           | 47,000                                   | TDR                | 12.00                                          | —         | 12.00 | —     | 10.65 |
|                           |                                                | CK3BA060           | 47,500                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 10.90 |
|                           | COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE |                    |                                          |                    |                                                |           |       |       |       |
|                           |                                                | CC5A/CD5A/CD5BW060 | 47,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.25 |
|                           |                                                | CE3AA060           | 47,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.70 |
|                           |                                                | CJ5A/CK5A/CK5BA060 | 47,500                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 11.35 |
|                           |                                                | CJ5A/CK5A/CK5BW048 | 47,000                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 11.10 |
|                           |                                                | CJ5A/CK5A/CK5BX060 | 48,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.60 |
|                           |                                                | CK3BA048           | 47,000                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 11.10 |
|                           |                                                | CK3BA060           | 47,500                                   | TDR                | 12.50                                          | —         | 12.50 | —     | 11.35 |
|                           | COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE |                    |                                          |                    |                                                |           |       |       |       |
|                           |                                                | CC5A/CD5A/CD5BW060 | 47,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.25 |
|                           |                                                | CE3AA060           | 47,000                                   | TDR                | 13.00                                          | —         | 13.00 | —     | 11.70 |

See notes on pg. 15.

# Combination ratings continued

| UNIT<br>SIZE-SERIES | INDOOR<br>MODEL                                | TOT. CAP.<br>BTUH | FACTORY-<br>SUPPLIED<br>ENHANCE-<br>MENT | SEER               |                                                |           |       | EER   |
|---------------------|------------------------------------------------|-------------------|------------------------------------------|--------------------|------------------------------------------------|-----------|-------|-------|
|                     |                                                |                   |                                          | STANDARD<br>RATING | CARRIER GAS<br>FURNACE OR<br>ACCESSORY<br>TDR† | ACCESSORY |       |       |
|                     |                                                |                   |                                          |                    |                                                | TXV‡      | LLS   |       |
| 048-30,<br>32, 52   | CJ5A/CK5A/CK5BA060                             | 47,500            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.25 |
|                     | CJ5A/CK5A/CK5BW048                             | 47,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.00 |
|                     | CJ5A/CK5A/CK5BX060                             | 48,000            | TDR                                      | 13.00              | —                                              | 13.00     | —     | 11.50 |
|                     | CK3BA048                                       | 47,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.00 |
|                     | CK3BA060                                       | 47,500            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.25 |
| 060-30,<br>32, 52   | CC5A/CD5A/CD5BW060*                            | 58,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.35 |
|                     | CC5A/CD5A/CD5BA060                             | 56,000            | NONE                                     | —                  | 11.50                                          | 11.50     | 11.50 | 10.15 |
|                     | CD3(A,B)A060                                   | 56,000            | NONE                                     | —                  | 11.50                                          | 11.50     | 11.50 | 10.15 |
|                     | CE3AA060                                       | 58,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.45 |
|                     | CJ5A/CK5A/CK5BA060                             | 56,000            | NONE                                     | —                  | 11.50                                          | 11.50     | 11.50 | 10.55 |
|                     | CJ5A/CK5A/CK5BN060                             | 56,000            | NONE                                     | —                  | 11.50                                          | 11.50     | 11.50 | 10.75 |
|                     | CJ5A/CK5A/CK5BX060                             | 58,000            | NONE                                     | —                  | 12.00                                          | 12.00     | 12.00 | 10.70 |
|                     | CK3BA060                                       | 56,000            | NONE                                     | —                  | 11.50                                          | 11.50     | 11.50 | 10.70 |
|                     | F(A,B)4AN(F,B)060                              | 58,000            | TDR                                      | 11.50              | —                                              | 11.50     | —     | 10.05 |
|                     | FB4ANB070                                      | 58,500            | TDR                                      | 12.00              | —                                              | 12.00     | —     | 10.50 |
|                     | FC4BN(F,B)060                                  | 58,000            | TDR & TXV                                | 11.50              | —                                              | —         | —     | 10.05 |
|                     | FC4BNB054                                      | 58,000            | TDR & TXV                                | 12.20              | —                                              | —         | —     | 10.65 |
|                     | FC4BNB070                                      | 58,500            | TDR & TXV                                | 12.00              | —                                              | —         | —     | 10.50 |
|                     | FG3AAA060                                      | 57,500            | NONE                                     | —                  | 11.50                                          | 11.50     | 11.50 | 10.30 |
|                     | FK4CNB006                                      | 59,000            | TDR & TXV                                | 13.00              | —                                              | —         | —     | 10.95 |
|                     | COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE |                   |                                          |                    |                                                |           |       |       |
|                     | CJ5A/CK5A/CK5BA060                             | 56,000            | TDR                                      | 12.20              | —                                              | 12.20     | —     | 10.80 |
|                     | CJ5A/CK5A/CK5BX060                             | 58,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.10 |
|                     | CK3BA060                                       | 56,000            | TDR                                      | 12.20              | —                                              | 12.20     | —     | 10.80 |
|                     | COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE |                   |                                          |                    |                                                |           |       |       |
|                     | CJ5A/CK5A/CK5BA060                             | 56,000            | TDR                                      | 12.20              | —                                              | 12.20     | —     | 10.65 |
|                     | CJ5A/CK5A/CK5BX060                             | 58,000            | TDR                                      | 12.50              | —                                              | 12.50     | —     | 11.00 |
|                     | CK3BA060                                       | 56,000            | TDR                                      | 12.20              | —                                              | 12.20     | —     | 10.65 |

\* Tested Combination

† In most cases, only 1 method should be used to achieve TDR function. Using more than 1 method in a system may cause degradation in performance. Use either the accessory Time-Delay Relay KAATD0101TDR or a furnace equipped with TDR. All Carrier furnaces are equipped with TDR except for the 58GFA.

‡ Based on computer simulation. TXV must be hard shutoff type.

**EER** — Energy Efficiency Ratio

**LLS** — Liquid-Line Solenoid Valve

**SEER** — Seasonal Energy Efficiency Ratio

**NOTES:** 1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.

2. Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for central air conditioners. Ratings for other combinations are determined under DOE computer simulation procedures.

3. Determine actual CFM values obtainable for your system by referring to fan performance data in fan coil or furnace coil literature.

# Detailed cooling capacities\*

| EVAPORATOR<br>AIR                                                  |     | CONDENSER ENTERING AIR TEMPERATURES °F |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |
|--------------------------------------------------------------------|-----|----------------------------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|
|                                                                    |     | 85                                     |       |                         | 95                 |       |                         | 105                |       |                         | 115                |       |                         | 125                |       |                         |
| CFM                                                                | EWB | Capacity<br>MBtuh†                     |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** |
|                                                                    |     | Total                                  | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         |
| 38BRC024-31 Outdoor Section With CC5A/CD5A/CD5BA024 Indoor Section |     |                                        |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |
| 700                                                                | 72  | 25.9                                   | 12.7  | 1.92                    | 25.0               | 12.3  | 2.13                    | 24.1               | 12.0  | 2.37                    | 23.1               | 11.6  | 2.63                    | 22.2               | 11.3  | 2.94                    |
|                                                                    | 67  | 23.6                                   | 15.9  | 1.93                    | 22.7               | 15.5  | 2.13                    | 21.9               | 15.2  | 2.36                    | 21.0               | 14.8  | 2.63                    | 20.1               | 14.5  | 2.93                    |
|                                                                    | 62  | 21.4                                   | 19.0  | 1.93                    | 20.6               | 18.6  | 2.13                    | 19.8               | 18.2  | 2.36                    | 19.0               | 17.8  | 2.62                    | 18.2               | 17.4  | 2.92                    |
|                                                                    | 57  | 20.3                                   | 20.3  | 1.92                    | 19.7               | 19.7  | 2.12                    | 19.1               | 19.1  | 2.35                    | 18.5               | 18.5  | 2.63                    | 17.8               | 17.8  | 2.94                    |
| 800                                                                | 72  | 26.5                                   | 13.2  | 1.96                    | 25.5               | 12.9  | 2.17                    | 24.5               | 12.5  | 2.40                    | 23.5               | 12.2  | 2.67                    | 22.5               | 11.8  | 2.98                    |
|                                                                    | 67  | 24.1                                   | 16.9  | 1.96                    | 23.2               | 16.5  | 2.17                    | 22.3               | 16.1  | 2.40                    | 21.4               | 15.8  | 2.67                    | 20.5               | 15.4  | 2.97                    |
|                                                                    | 62  | 21.9                                   | 20.3  | 1.96                    | 21.1               | 19.9  | 2.17                    | 20.2               | 19.4  | 2.40                    | 19.4               | 19.0  | 2.66                    | 18.6               | 18.5  | 2.96                    |
|                                                                    | 57  | 21.1                                   | 21.1  | 1.97                    | 20.5               | 20.5  | 2.17                    | 19.8               | 19.8  | 2.41                    | 19.2               | 19.2  | 2.66                    | 18.5               | 18.5  | 2.98                    |
| 900                                                                | 72  | 26.9                                   | 13.8  | 2.00                    | 25.8               | 13.4  | 2.20                    | 24.8               | 13.0  | 2.44                    | 23.8               | 12.7  | 2.71                    | 22.8               | 12.3  | 3.02                    |
|                                                                    | 67  | 24.5                                   | 17.8  | 2.00                    | 23.5               | 17.4  | 2.20                    | 22.6               | 17.0  | 2.44                    | 21.7               | 16.6  | 2.71                    | 20.7               | 16.3  | 3.01                    |
|                                                                    | 62  | 22.3                                   | 21.4  | 2.00                    | 21.4               | 20.9  | 2.20                    | 20.6               | 20.4  | 2.44                    | 19.8               | 19.8  | 2.70                    | 19.1               | 19.1  | 3.00                    |
|                                                                    | 57  | 21.8                                   | 21.8  | 2.00                    | 21.1               | 21.1  | 2.20                    | 20.5               | 20.5  | 2.43                    | 19.8               | 19.8  | 2.70                    | 19.1               | 19.1  | 3.03                    |

Multipliers for Determining the Performance With Other Indoor Sections

| Indoor<br>Section                          | Size | Cooling  |       | Indoor<br>Section                              | Size | Cooling  |       |
|--------------------------------------------|------|----------|-------|------------------------------------------------|------|----------|-------|
|                                            |      | Capacity | Power |                                                |      | Capacity | Power |
| CC5A/CD5A/CD5BA                            | 024  | 1.00     | 1.00  | CK3BA                                          | 024  | 1.01     | 0.94  |
|                                            | 030  | 1.02     | 1.00  |                                                | 030  | 1.02     | 0.94  |
| CC5A/CD5A/CD5BW                            | 024  | 1.00     | 1.00  | COILS + 58MVP060-14 VARIABLE-SPEED FURNACE     |      |          |       |
|                                            | 030  | 1.02     | 1.00  | CC5A/CD5A/CD5BA                                | 024  | 1.01     | 0.94  |
| CD3(A,B)A                                  | 024  | 1.00     | 1.00  |                                                | 030  | 1.02     | 0.93  |
|                                            | 030  | 1.02     | 1.00  | CC5A/CD5A/CD5BW                                | 024  | 1.01     | 0.94  |
| CE3AA                                      | 024  | 1.02     | 1.00  |                                                | 030  | 1.02     | 0.93  |
|                                            | 030  | 1.03     | 1.00  | CD3(A,B)A                                      | 024  | 1.01     | 0.94  |
| CF5AA                                      | 024  | 1.02     | 1.00  |                                                | 030  | 1.02     | 0.93  |
|                                            | 030  | 1.02     | 1.00  | CJ5A/CK5A/CK5BW                                | 024  | 1.01     | 0.94  |
| CG5AA                                      | 024  | 1.02     | 1.00  |                                                | 030  | 1.02     | 0.94  |
| CJ5A/CK5A/CK5BA                            | 024  | 1.00     | 1.00  | CK3BA                                          | 024  | 1.01     | 0.94  |
|                                            | 030  | 1.02     | 1.00  |                                                | 030  | 1.02     | 0.94  |
| CJ5A/CK5A/CK5BW                            | 024  | 1.00     | 1.00  | COILS + 58MVP080-14 VARIABLE-SPEED FURNACE     |      |          |       |
|                                            | 030  | 1.02     | 1.00  | CC5A/CD5A/CD5BA                                | 024  | 1.01     | 0.94  |
| CK3BA                                      | 024  | 1.00     | 1.00  |                                                | 030  | 1.02     | 0.93  |
|                                            | 030  | 1.02     | 1.00  | CC5A/CD5A/CD5BW                                | 024  | 1.01     | 0.94  |
| CM5A/CM5B                                  | 024  | 1.02     | 1.00  |                                                | 030  | 1.02     | 0.93  |
| F(A,B)4AN(F,C)                             | 024  | 1.01     | 1.00  | CD3(A,B)A                                      | 024  | 1.01     | 0.94  |
|                                            | 030  | 1.03     | 0.99  |                                                | 030  | 1.02     | 0.93  |
| FC4BNF                                     | 024  | 1.01     | 1.00  | CJ5A/CK5A/CK5BW                                | 024  | 1.01     | 0.93  |
|                                            | 030  | 1.03     | 0.99  |                                                | 030  | 1.02     | 0.92  |
| FD3ANA                                     | 024  | 1.01     | 0.98  | CK3BA                                          | 024  | 1.01     | 0.93  |
|                                            | 030  | 1.03     | 1.00  |                                                | 030  | 1.02     | 0.92  |
| FF1(A,B,C)NA                               | 024  | 1.01     | 1.01  | COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE |      |          |       |
|                                            | 030  | 1.02     | 1.01  | CC5A/CD5A/CD5BA                                | 024  | 1.01     | 0.92  |
| FG3AAA                                     | 024  | 1.00     | 1.00  |                                                | 030  | 1.02     | 0.91  |
| FK4CNF                                     | 001  | 1.03     | 0.92  | CC5A/CD5A/CD5BW                                | 024  | 1.01     | 0.92  |
|                                            | 002  | 1.03     | 0.92  |                                                | 030  | 1.02     | 0.91  |
| COILS + 58MVP040-14 VARIABLE-SPEED FURNACE | 003  | 1.03     | 0.90  | CD3(A,B)A                                      | 024  | 1.01     | 0.92  |
|                                            |      |          |       |                                                | 030  | 1.02     | 0.91  |
| CC5A/CD5A/CD5BA                            | 024  | 1.01     | 0.94  | CE3AA                                          | 024  | 1.02     | 0.93  |
|                                            | 030  | 1.02     | 0.93  |                                                | 030  | 1.03     | 0.92  |
| CC5A/CD5A/CD5BW                            | 024  | 1.01     | 0.94  | CJ5A/CK5A/CK5BA                                | 024  | 1.01     | 0.92  |
|                                            | 030  | 1.02     | 0.93  |                                                | 030  | 1.01     | 0.91  |
| CD3(A,B)A                                  | 024  | 1.01     | 0.94  | CJ5A/CK5A/CK5BW                                | 030  | 1.01     | 0.91  |
|                                            | 030  | 1.02     | 0.93  |                                                | 024  | 1.01     | 0.92  |
| CJ5A/CK5A/CK5BW                            | 030  | 1.02     | 0.94  | CK3BA                                          | 024  | 1.01     | 0.92  |
|                                            |      |          |       |                                                | 030  | 1.01     | 0.91  |

See notes on pg. 24.

# Detailed cooling capacities\* continued

| EVAPORATOR<br>AIR                                                  |     | CONDENSER ENTERING AIR TEMPERATURES °F |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |  |
|--------------------------------------------------------------------|-----|----------------------------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--|
|                                                                    |     | 85                                     |       |                         | 95                 |       |                         | 105                |       |                         | 115                |       |                         | 125                |       |                         |  |
| CFM                                                                | EWB | Capacity<br>MBtuh†                     |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** |  |
|                                                                    |     | Total                                  | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         |  |
| 38BRC030-31 Outdoor Section With CC5A/CD5A/CD5BA030 Indoor Section |     |                                        |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |  |
| 875                                                                | 72  | 32.3                                   | 15.8  | 2.41                    | 31.2               | 15.4  | 2.65                    | 30.0               | 14.9  | 2.91                    | 28.8               | 14.5  | 3.21                    | 27.5               | 14.0  | 3.54                    |  |
|                                                                    | 67  | 29.5                                   | 19.8  | 2.39                    | 28.5               | 19.4  | 2.62                    | 27.4               | 18.9  | 2.88                    | 26.2               | 18.5  | 3.18                    | 25.1               | 18.0  | 3.52                    |  |
|                                                                    | 62  | 26.9                                   | 23.8  | 2.37                    | 25.9               | 23.3  | 2.61                    | 24.9               | 22.8  | 2.87                    | 23.8               | 22.3  | 3.15                    | 22.8               | 21.7  | 3.47                    |  |
|                                                                    | 57  | 25.5                                   | 25.5  | 2.36                    | 24.7               | 24.7  | 2.60                    | 23.9               | 23.9  | 2.86                    | 23.1               | 23.1  | 3.16                    | 22.3               | 22.3  | 3.50                    |  |
| 1000                                                               | 72  | 32.9                                   | 16.4  | 2.46                    | 31.7               | 16.0  | 2.70                    | 30.5               | 15.6  | 2.96                    | 29.2               | 15.1  | 3.26                    | 28.0               | 14.6  | 3.59                    |  |
|                                                                    | 67  | 30.1                                   | 21.0  | 2.44                    | 29.0               | 20.5  | 2.67                    | 27.9               | 20.1  | 2.94                    | 26.7               | 19.6  | 3.23                    | 25.5               | 19.1  | 3.57                    |  |
|                                                                    | 62  | 27.4                                   | 25.3  | 2.42                    | 26.4               | 24.8  | 2.66                    | 25.3               | 24.2  | 2.91                    | 24.3               | 23.6  | 3.18                    | 23.3               | 23.0  | 3.55                    |  |
|                                                                    | 57  | 26.5                                   | 26.5  | 2.42                    | 25.6               | 25.6  | 2.65                    | 24.8               | 24.8  | 2.91                    | 24.0               | 24.0  | 3.21                    | 23.1               | 23.1  | 3.55                    |  |
| 1125                                                               | 72  | 33.4                                   | 17.1  | 2.51                    | 32.2               | 16.6  | 2.75                    | 30.9               | 16.2  | 3.01                    | 29.6               | 15.7  | 3.31                    | 28.3               | 15.2  | 3.65                    |  |
|                                                                    | 67  | 30.6                                   | 22.1  | 2.49                    | 29.4               | 21.7  | 2.73                    | 28.2               | 21.2  | 2.99                    | 27.0               | 20.7  | 3.28                    | 25.7               | 20.2  | 3.58                    |  |
|                                                                    | 62  | 27.9                                   | 26.7  | 2.47                    | 26.8               | 26.1  | 2.71                    | 25.8               | 25.4  | 2.96                    | 24.7               | 24.7  | 3.26                    | 23.8               | 23.8  | 3.58                    |  |
|                                                                    | 57  | 27.3                                   | 27.3  | 2.47                    | 26.4               | 26.4  | 2.70                    | 25.6               | 25.6  | 2.96                    | 24.7               | 24.7  | 3.26                    | 23.8               | 23.8  | 3.60                    |  |

Multipliers for Determining the Performance With Other Indoor Sections

| Indoor<br>Section                          | Size | Cooling  |       | Indoor<br>Section                              | Size | Cooling  |       |
|--------------------------------------------|------|----------|-------|------------------------------------------------|------|----------|-------|
|                                            |      | Capacity | Power |                                                |      | Capacity | Power |
| CC5A/CD5A/CD5BA                            | 030  | 1.00     | 1.00  | CD5A/CD5BW                                     | 036  | 1.02     | 0.95  |
|                                            | 036  | 1.02     | 1.00  |                                                | 036  | 1.02     | 0.95  |
| CC5A/CD5A/CD5BW                            | 030  | 1.00     | 1.00  | CJ5A/CK5A/CK5BA                                | 036  | 1.00     | 0.96  |
| CD3(A,B)A                                  | 030  | 1.00     | 1.00  | CK3BA                                          | 030  | 1.00     | 0.96  |
|                                            | 036  | 1.02     | 1.00  |                                                | 036  | 1.02     | 0.95  |
| CD5A/CD5BW                                 | 036  | 1.02     | 1.00  | COILS + 58MVP080-14 VARIABLE-SPEED FURNACE     |      |          |       |
| CE3AA                                      | 030  | 1.00     | 1.00  | CC5A/CD5A/CD5BA                                | 030  | 1.00     | 0.96  |
|                                            | 036  | 1.02     | 1.00  |                                                | 036  | 1.02     | 0.95  |
| CF5AA                                      | 036  | 1.02     | 1.00  | CC5A/CD5A/CD5BW                                | 030  | 1.00     | 0.96  |
| CG5AA                                      | 036  | 1.02     | 1.00  | CD3(A,B)A                                      | 030  | 1.00     | 0.96  |
| CJ5A/CK5A/CK5BA                            | 030  | 1.00     | 1.00  |                                                | 036  | 1.02     | 0.95  |
|                                            | 036  | 1.02     | 1.00  | CD5A/CD5BW                                     | 036  | 1.02     | 0.95  |
| CJ5A/CK5A/CK5BN                            | 036  | 0.95     | 1.00  | CJ5A/CK5A/CK5BW                                | 030  | 1.00     | 0.96  |
| CJ5A/CK5A/CK5BW                            | 030  | 1.00     | 1.00  | CK3BA                                          | 036  | 1.02     | 0.94  |
|                                            | 036  | 1.02     | 1.00  |                                                | 030  | 1.00     | 0.96  |
| CK3BA                                      | 030  | 1.00     | 1.00  |                                                | 036  | 1.02     | 0.94  |
|                                            | 036  | 1.02     | 1.00  | COILS + 58MVP080-20 VARIABLE-SPEED FURNACE     |      |          |       |
| CM5A/CM5B                                  | 036  | 1.02     | 0.99  | CJ5A/CK5A/CK5BW                                | 030  | 1.00     | 0.97  |
| F(A,B)4AN(F,C)                             | 030  | 1.01     | 0.99  |                                                | 036  | 1.02     | 0.95  |
|                                            | 036  | 1.02     | 1.01  | CK3BA                                          | 030  | 1.00     | 0.97  |
| FC4BNF                                     | 030  | 1.01     | 0.99  |                                                | 036  | 1.02     | 0.95  |
|                                            | 033  | 1.03     | 0.99  | COILS + 58MVP100-20 VARIABLE-SPEED FURNACE     |      |          |       |
| FD3ANA                                     | 036  | 1.02     | 1.01  | CJ5A/CK5A/CK5BW                                | 030  | 1.00     | 0.94  |
|                                            | 030  | 1.01     | 1.01  |                                                | 036  | 1.02     | 0.93  |
| FF1(A,B,C)NA                               | 030  | 1.00     | 1.00  | CK3BA                                          | 030  | 1.00     | 0.94  |
| FG3AAA                                     | 036  | 1.02     | 1.00  |                                                | 036  | 1.02     | 0.93  |
| FK4CNF                                     | 001  | 1.01     | 0.93  | COILS + 58MVP120-20 VARIABLE-SPEED FURNACE     |      |          |       |
|                                            | 002  | 1.01     | 0.93  | CJ5A/CK5A/CK5BW                                | 036  | 1.02     | 0.93  |
|                                            | 003  | 1.03     | 0.91  |                                                | 030  | 1.00     | 0.95  |
|                                            | 005  | 1.03     | 0.90  | CK3BA                                          | 036  | 1.02     | 0.93  |
| COILS + 58MVP040-14 VARIABLE-SPEED FURNACE |      |          |       | COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE |      |          |       |
| CC5A/CD5A/CD5BA                            | 030  | 1.00     | 0.96  | CC5A/CD5A/CD5BA                                | 030  | 1.00     | 0.94  |
|                                            | 036  | 1.02     | 0.95  |                                                | 036  | 1.02     | 0.93  |
| CC5A/CD5A/CD5BW                            | 030  | 1.00     | 0.96  | CC5A/CD5A/CD5BW                                | 030  | 1.00     | 0.94  |
| CD3(A,B)A                                  | 030  | 1.00     | 0.96  | CD3(A,B)A                                      | 030  | 1.00     | 0.94  |
|                                            | 036  | 1.02     | 0.95  |                                                | 036  | 1.02     | 0.93  |
| CD5A/CD5BW                                 | 036  | 1.02     | 0.95  | CD5A/CD5BW                                     | 036  | 1.02     | 0.93  |
| CJ5A/CK5A/CK5BW                            | 030  | 1.00     | 0.97  | CE3AA                                          | 030  | 1.00     | 0.94  |
|                                            | 036  | 1.02     | 0.95  |                                                | 036  | 1.02     | 0.94  |
| CK3BA                                      | 030  | 1.00     | 0.97  | CJ5A/CK5A/CK5BA                                | 030  | 1.00     | 0.94  |
|                                            | 036  | 1.02     | 0.95  |                                                | 036  | 1.02     | 0.92  |
| COILS + 58MVP060-14 VARIABLE-SPEED FURNACE |      |          |       | CJ5A/CK5A/CK5BN                                | 036  | 0.95     | 0.93  |
| CC5A/CD5A/CD5BA                            | 030  | 1.00     | 0.96  | CJ5A/CK5A/CK5BW                                | 030  | 1.00     | 0.94  |
|                                            | 036  | 1.02     | 0.95  |                                                | 030  | 1.00     | 0.94  |
| CC5A/CD5A/CD5BW                            | 030  | 1.00     | 0.96  | CK3BA                                          | 036  | 1.02     | 0.92  |
| CD3(A,B)A                                  | 030  | 1.00     | 0.96  |                                                | —    | —        | —     |
|                                            | 036  | 1.02     | 0.95  |                                                | —    | —        | —     |

See notes on pg. 24.

# Detailed cooling capacities\* continued

| EVAPORATOR<br>AIR                                                            |     | CONDENSER ENTERING AIR TEMPERATURES °F |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |
|------------------------------------------------------------------------------|-----|----------------------------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|
|                                                                              |     | 85                                     |       |                         | 95                 |       |                         | 105                |       |                         | 115                |       |                         | 125                |       |                         |
| CFM                                                                          | EWB | Capacity<br>MBtuh†                     |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** |
|                                                                              |     | Total                                  | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         |
| 38BRC030-31 Outdoor Section With CC5A/CD5A/CD5BA030 Indoor Section continued |     |                                        |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |
| 875                                                                          | 72  | 32.3                                   | 15.8  | 2.41                    | 31.2               | 15.4  | 2.65                    | 30.0               | 14.9  | 2.91                    | 28.8               | 14.5  | 3.21                    | 27.5               | 14.0  | 3.54                    |
|                                                                              | 67  | 29.5                                   | 19.8  | 2.39                    | 28.5               | 19.4  | 2.62                    | 27.4               | 18.9  | 2.88                    | 26.2               | 18.5  | 3.18                    | 25.1               | 18.0  | 3.52                    |
|                                                                              | 62  | 26.9                                   | 23.8  | 2.37                    | 25.9               | 23.3  | 2.61                    | 24.9               | 22.8  | 2.87                    | 23.8               | 22.3  | 3.15                    | 22.8               | 21.7  | 3.47                    |
|                                                                              | 57  | 25.5                                   | 25.5  | 2.36                    | 24.7               | 24.7  | 2.60                    | 23.9               | 23.9  | 2.86                    | 23.1               | 23.1  | 3.16                    | 22.3               | 22.3  | 3.50                    |
| 1000                                                                         | 72  | 32.9                                   | 16.4  | 2.46                    | 31.7               | 16.0  | 2.70                    | 30.5               | 15.6  | 2.96                    | 29.2               | 15.1  | 3.26                    | 28.0               | 14.6  | 3.59                    |
|                                                                              | 67  | 30.1                                   | 21.0  | 2.44                    | 29.0               | 20.5  | 2.67                    | 27.9               | 20.1  | 2.94                    | 26.7               | 19.6  | 3.23                    | 25.5               | 19.1  | 3.57                    |
|                                                                              | 62  | 27.4                                   | 25.3  | 2.42                    | 26.4               | 24.8  | 2.66                    | 25.3               | 24.2  | 2.91                    | 24.3               | 23.6  | 3.18                    | 23.3               | 23.0  | 3.55                    |
|                                                                              | 57  | 26.5                                   | 26.5  | 2.42                    | 25.6               | 25.6  | 2.65                    | 24.8               | 24.8  | 2.91                    | 24.0               | 24.0  | 3.21                    | 23.1               | 23.1  | 3.55                    |
| 1125                                                                         | 72  | 33.4                                   | 17.1  | 2.51                    | 32.2               | 16.6  | 2.75                    | 30.9               | 16.2  | 3.01                    | 29.6               | 15.7  | 3.31                    | 28.3               | 15.2  | 3.65                    |
|                                                                              | 67  | 30.6                                   | 22.1  | 2.49                    | 29.4               | 21.7  | 2.73                    | 28.2               | 21.2  | 2.99                    | 27.0               | 20.7  | 3.28                    | 25.7               | 20.2  | 3.58                    |
|                                                                              | 62  | 27.9                                   | 26.7  | 2.47                    | 26.8               | 26.1  | 2.71                    | 25.8               | 25.4  | 2.96                    | 24.7               | 24.7  | 3.26                    | 23.8               | 23.8  | 3.58                    |
|                                                                              | 57  | 27.3                                   | 27.3  | 2.47                    | 26.4               | 26.4  | 2.70                    | 25.6               | 25.6  | 2.96                    | 24.7               | 24.7  | 3.26                    | 23.8               | 23.8  | 3.60                    |

Multipliers for Determining the Performance With Other Indoor Sections

| Indoor<br>Section                              | Size | Cooling  |       | Indoor<br>Section | Size  | Cooling  |       |
|------------------------------------------------|------|----------|-------|-------------------|-------|----------|-------|
|                                                |      | Capacity | Power |                   |       | Capacity | Power |
| COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE |      |          |       | CE3AA             | 030   | 1.00     | 0.94  |
| CC5A/CD5A/CD5BA                                | 030  | 1.00     | 0.94  | CJ5A/CK5A/CK5BW   | 036   | 1.02     | 0.94  |
|                                                | 036  | 1.02     | 0.93  |                   | 030   | 1.00     | 0.93  |
| CC5A/CD5A/CD5BW                                | 030  | 1.00     | 0.94  |                   | 036   | 1.02     | 0.91  |
| CD3(A,B)A                                      | 030  | 1.00     | 0.94  |                   | CK3BA | 030      | 1.00  |
|                                                | 036  | 1.02     | 0.93  | 036               |       | 1.02     | 0.91  |
| CD5A/CD5BW                                     | 036  | 1.02     | 0.93  |                   | —     | —        | —     |

See notes on pg. 24.

# Detailed cooling capacities\* continued

| EVAPORATOR AIR                                                                     |     | CONDENSER ENTERING AIR TEMPERATURES °F |       |                   |                  |       |                   |                  |       |                   |                  |       |                   |                  |       |                   |
|------------------------------------------------------------------------------------|-----|----------------------------------------|-------|-------------------|------------------|-------|-------------------|------------------|-------|-------------------|------------------|-------|-------------------|------------------|-------|-------------------|
|                                                                                    |     | 85                                     |       |                   | 95               |       |                   | 105              |       |                   | 115              |       |                   | 125              |       |                   |
| CFM                                                                                | EWB | Capacity MBtu/h†                       |       | Total System KW** | Capacity MBtu/h† |       | Total System KW** | Capacity MBtu/h† |       | Total System KW** | Capacity MBtu/h† |       | Total System KW** | Capacity MBtu/h† |       | Total System KW** |
|                                                                                    |     | Total                                  | Sens‡ |                   | Total            | Sens‡ |                   | Total            | Sens‡ |                   | Total            | Sens‡ |                   | Total            | Sens‡ |                   |
| 38BRC036-30, 50, 32, 52, 53 Outdoor Section With CC5A/CD5A/CD5BA036 Indoor Section |     |                                        |       |                   |                  |       |                   |                  |       |                   |                  |       |                   |                  |       |                   |
| 1050                                                                               | 72  | 39.0                                   | 19.3  | 2.89              | 37.6             | 18.8  | 3.18              | 35.9             | 18.2  | 3.48              | 34.3             | 17.6  | 3.83              | 32.6             | 17.0  | 4.21              |
|                                                                                    | 67  | 35.7                                   | 24.5  | 2.86              | 34.4             | 24.0  | 3.15              | 32.9             | 23.4  | 3.45              | 31.4             | 22.7  | 3.79              | 29.8             | 22.1  | 4.15              |
|                                                                                    | 62  | 32.7                                   | 29.5  | 2.83              | 31.4             | 28.9  | 3.12              | 30.1             | 28.2  | 3.42              | 28.7             | 27.5  | 3.75              | 27.3             | 26.7  | 4.10              |
|                                                                                    | 57  | 31.3                                   | 31.3  | 2.82              | 30.4             | 30.4  | 3.11              | 29.3             | 29.3  | 3.41              | 28.2             | 28.2  | 3.74              | 27.0             | 27.0  | 4.11              |
| 1200                                                                               | 72  | 39.7                                   | 20.2  | 2.95              | 38.2             | 19.7  | 3.24              | 36.5             | 19.0  | 3.55              | 34.8             | 18.5  | 3.90              | 33.1             | 17.9  | 4.28              |
|                                                                                    | 67  | 36.4                                   | 26.0  | 2.92              | 35.0             | 25.5  | 3.21              | 33.5             | 24.9  | 3.52              | 31.9             | 24.2  | 3.85              | 30.2             | 23.6  | 4.21              |
|                                                                                    | 62  | 33.3                                   | 31.5  | 2.89              | 32.1             | 30.8  | 3.19              | 30.7             | 30.0  | 3.49              | 29.3             | 29.1  | 3.82              | 27.9             | 27.9  | 4.17              |
|                                                                                    | 57  | 32.5                                   | 32.5  | 2.89              | 31.5             | 31.5  | 3.18              | 30.4             | 30.4  | 3.48              | 29.2             | 29.2  | 3.81              | 27.9             | 27.9  | 4.18              |
| 1350                                                                               | 72  | 40.2                                   | 21.0  | 3.01              | 38.6             | 20.5  | 3.30              | 36.9             | 19.9  | 3.61              | 35.2             | 19.3  | 3.96              | 33.4             | 18.7  | 4.34              |
|                                                                                    | 67  | 36.9                                   | 27.5  | 2.98              | 35.4             | 26.9  | 3.26              | 33.9             | 26.3  | 3.58              | 32.2             | 25.7  | 3.92              | 30.5             | 25.0  | 4.27              |
|                                                                                    | 62  | 33.9                                   | 33.2  | 2.96              | 32.6             | 32.3  | 3.23              | 31.3             | 31.3  | 3.55              | 30.0             | 30.0  | 3.89              | 28.7             | 28.7  | 4.25              |
|                                                                                    | 57  | 33.5                                   | 33.5  | 2.95              | 32.5             | 32.5  | 3.24              | 31.3             | 31.3  | 3.55              | 30.0             | 30.0  | 3.88              | 28.7             | 28.7  | 4.26              |

Multipliers for Determining the Performance With Other Indoor Sections

| Indoor Section                             | Size | Cooling  |       | Indoor Section                             | Size      | Cooling  |       |
|--------------------------------------------|------|----------|-------|--------------------------------------------|-----------|----------|-------|
|                                            |      | Capacity | Power |                                            |           | Capacity | Power |
| CC5A/CD5A/CD5BA                            | 036  | 1.00     | 1.00  | COILS + 58MVP060-14 VARIABLE-SPEED FURNACE |           |          |       |
|                                            | 042  | 1.00     | 1.00  | CC5A/CD5A/CD5BA                            | 036       | 1.00     | 0.94  |
| CC5A/CD5A/CD5BW                            | 042  | 1.00     | 1.00  |                                            | 042       | 1.00     | 0.93  |
| CD3(A,B)A                                  | 036  | 1.00     | 1.00  | CC5A/CD5A/CD5BW                            | 042       | 1.00     | 0.93  |
|                                            | 042  | 1.00     | 1.00  |                                            | CD3(A,B)A | 036      | 1.00  |
| CD5A/CD5BW                                 | 036  | 1.00     | 1.00  | 042                                        |           | 1.00     | 0.93  |
| CE3AA                                      | 036  | 1.00     | 1.00  | CD5A/CD5BW                                 | 036       | 1.00     | 0.94  |
|                                            | 042  | 1.01     | 1.00  | CJ5A/CK5A/CK5BA                            | 036       | 1.00     | 0.94  |
| CF5AA                                      | 036  | 1.00     | 1.00  | CJ5A/CK5A/CK5BN                            | 042       | 0.97     | 0.94  |
| CG5AA                                      | 036  | 1.00     | 1.00  | CK3BA                                      | 036       | 1.00     | 0.94  |
| CJ5A/CK5A/CK5BA                            | 036  | 1.00     | 1.00  |                                            | 042       | 1.00     | 0.94  |
|                                            | 042  | 1.00     | 1.00  | COILS + 58MVP080-14 VARIABLE-SPEED FURNACE |           |          |       |
| CJ5A/CK5A/CK5BN                            | 036  | 0.94     | 1.00  | CC5A/CD5A/CD5BA                            | 036       | 1.00     | 0.94  |
|                                            | 042  | 0.94     | 1.00  |                                            | 042       | 1.00     | 0.93  |
| CJ5A/CK5A/CK5BW                            | 036  | 1.00     | 1.00  | CC5A/CD5A/CD5BW                            | 042       | 1.00     | 0.93  |
| CK3BA                                      | 036  | 1.00     | 1.00  | CD3(A,B)A                                  | 036       | 1.00     | 0.94  |
|                                            | 042  | 1.00     | 1.00  |                                            | 042       | 1.00     | 0.93  |
| CM5A/CM5B                                  | 036  | 0.99     | 0.99  | CD5A/CD5BW                                 | 036       | 1.00     | 0.94  |
|                                            | 042  | 1.00     | 1.00  | CJ5A/CK5A/CK5BA                            | 042       | 1.00     | 0.93  |
| F(A,B)4AN(F,B,C)                           | 042  | 1.01     | 1.01  | CJ5A/CK5A/CK5BW                            | 036       | 1.00     | 0.93  |
| F(A,B)4AN(F,C)                             | 036  | 1.00     | 1.02  | CK3BA                                      | 036       | 1.00     | 0.93  |
| FC4BN(F,B)                                 | 042  | 1.01     | 1.01  |                                            | 042       | 1.00     | 0.93  |
| FC4BNB                                     | 054  | 1.03     | 1.00  | COILS + 58MVP080-20 VARIABLE-SPEED FURNACE |           |          |       |
| FC4BNF                                     | 033  | 1.01     | 1.01  | CJ5A/CK5A/CK5BA                            | 042       | 1.00     | 0.94  |
|                                            | 036  | 1.00     | 1.02  | CJ5A/CK5A/CK5BW                            | 036       | 1.00     | 0.94  |
|                                            | 038  | 1.02     | 1.02  | CK3BA                                      | 036       | 1.00     | 0.94  |
| FG3AAA                                     | 036  | 0.99     | 1.00  |                                            | 042       | 1.00     | 0.94  |
| FK4CNB                                     | 006  | 1.03     | 0.92  | COILS + 58MVP100-20 VARIABLE-SPEED FURNACE |           |          |       |
| FK4CNF                                     | 001  | 0.98     | 0.95  | CC5A/CD5A/CD5BA                            | 036       | 1.00     | 0.94  |
|                                            | 002  | 0.99     | 0.96  |                                            | 042       | 1.00     | 0.93  |
|                                            | 003  | 1.00     | 0.92  | CC5A/CD5A/CD5BW                            | 042       | 1.00     | 0.93  |
|                                            | 005  | 1.02     | 0.92  | CD3(A,B)A                                  | 036       | 1.00     | 0.94  |
| COILS + 58MVP040-14 VARIABLE-SPEED FURNACE |      |          |       |                                            | 042       | 1.00     | 0.93  |
| CC5A/CD5A/CD5BA                            | 036  | 1.00     | 0.94  | CD5A/CD5BW                                 | 036       | 1.00     | 0.94  |
|                                            | 042  | 1.00     | 0.93  | CJ5A/CK5A/CK5BA                            | 042       | 1.00     | 0.92  |
| CC5A/CD5A/CD5BW                            | 042  | 1.00     | 0.93  | CJ5A/CK5A/CK5BW                            | 036       | 1.00     | 0.92  |
| CD3(A,B)A                                  | 036  | 1.00     | 0.94  | CK3BA                                      | 036       | 1.00     | 0.92  |
|                                            | 042  | 1.00     | 0.93  |                                            | 042       | 1.00     | 0.92  |
| CD5A/CD5BW                                 | 036  | 1.00     | 0.94  | COILS + 58MVP120-20 VARIABLE-SPEED FURNACE |           |          |       |
| CJ5A/CK5A/CK5BA                            | 042  | 1.00     | 0.93  | CJ5A/CK5A/CK5BA                            | 042       | 1.00     | 0.92  |
| CJ5A/CK5A/CK5BW                            | 036  | 1.00     | 0.94  | CJ5A/CK5A/CK5BW                            | 036       | 1.00     | 0.93  |
| CK3BA                                      | 036  | 1.00     | 0.94  |                                            | —         | —        | —     |
|                                            | 042  | 1.00     | 0.93  |                                            |           |          |       |

See notes on pg. 24.

# Detailed cooling capacities\* continued

| EVAPORATOR<br>AIR                                                                                   |     | CONDENSER ENTERING AIR TEMPERATURES °F |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |
|-----------------------------------------------------------------------------------------------------|-----|----------------------------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|
|                                                                                                     |     | 85                                     |       |                         | 95                 |       |                         | 105                |       |                         | 115                |       |                         | 125                |       |                         |
|                                                                                                     |     | Capacity<br>MBtuh†                     |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** |
| CFM                                                                                                 | EWB | Total                                  | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         |
| <b>38BRC036-30, 50, 32, 52, 53 Outdoor Section With CC5A/CD5A/CD5BA036 Indoor Section continued</b> |     |                                        |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |
| 1050                                                                                                | 72  | 39.0                                   | 19.3  | 2.89                    | 37.6               | 18.8  | 3.18                    | 35.9               | 18.2  | 3.48                    | 34.3               | 17.6  | 3.83                    | 32.6               | 17.0  | 4.21                    |
|                                                                                                     | 67  | 35.7                                   | 24.5  | 2.86                    | 34.4               | 24.0  | 3.15                    | 32.9               | 23.4  | 3.45                    | 31.4               | 22.7  | 3.79                    | 29.8               | 22.1  | 4.15                    |
|                                                                                                     | 62  | 32.7                                   | 29.5  | 2.83                    | 31.4               | 28.9  | 3.12                    | 30.1               | 28.2  | 3.42                    | 28.7               | 27.5  | 3.75                    | 27.3               | 26.7  | 4.10                    |
|                                                                                                     | 57  | 31.3                                   | 31.3  | 2.82                    | 30.4               | 30.4  | 3.11                    | 29.3               | 29.3  | 3.41                    | 28.2               | 28.2  | 3.74                    | 27.0               | 27.0  | 4.11                    |
| 1200                                                                                                | 72  | 39.7                                   | 20.2  | 2.95                    | 38.2               | 19.7  | 3.24                    | 36.5               | 19.0  | 3.55                    | 34.8               | 18.5  | 3.90                    | 33.1               | 17.9  | 4.28                    |
|                                                                                                     | 67  | 36.4                                   | 26.0  | 2.92                    | 35.0               | 25.5  | 3.21                    | 33.5               | 24.9  | 3.52                    | 31.9               | 24.2  | 3.85                    | 30.2               | 23.6  | 4.21                    |
|                                                                                                     | 62  | 33.3                                   | 31.5  | 2.89                    | 32.1               | 30.8  | 3.19                    | 30.7               | 30.0  | 3.49                    | 29.3               | 29.1  | 3.82                    | 27.9               | 27.9  | 4.17                    |
|                                                                                                     | 57  | 32.5                                   | 32.5  | 2.89                    | 31.5               | 31.5  | 3.18                    | 30.4               | 30.4  | 3.48                    | 29.2               | 29.2  | 3.81                    | 27.9               | 27.9  | 4.18                    |
| 1350                                                                                                | 72  | 40.2                                   | 21.0  | 3.01                    | 38.6               | 20.5  | 3.30                    | 36.9               | 19.9  | 3.61                    | 35.2               | 19.3  | 3.96                    | 33.4               | 18.7  | 4.34                    |
|                                                                                                     | 67  | 36.9                                   | 27.5  | 2.98                    | 35.4               | 26.9  | 3.26                    | 33.9               | 26.3  | 3.58                    | 32.2               | 25.7  | 3.92                    | 30.5               | 25.0  | 4.27                    |
|                                                                                                     | 62  | 33.9                                   | 33.2  | 2.96                    | 32.6               | 32.3  | 3.23                    | 31.3               | 31.3  | 3.55                    | 30.0               | 30.0  | 3.89                    | 28.7               | 28.7  | 4.25                    |
|                                                                                                     | 57  | 33.5                                   | 33.5  | 2.95                    | 32.5               | 32.5  | 3.24                    | 31.3               | 31.3  | 3.55                    | 30.0               | 30.0  | 3.88                    | 28.7               | 28.7  | 4.26                    |

Multipliers for Determining the Performance With Other Indoor Sections

| Indoor<br>Section                              | Size | Cooling  |       | Indoor<br>Section                              | Size | Cooling  |       |
|------------------------------------------------|------|----------|-------|------------------------------------------------|------|----------|-------|
|                                                |      | Capacity | Power |                                                |      | Capacity | Power |
| COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE |      |          |       | COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE |      |          |       |
| CC5A/CD5A/CD5BA                                | 036  | 1.00     | 0.95  | CC5A/CD5A/CD5BA                                | 036  | 1.00     | 0.95  |
|                                                | 042  | 1.00     | 0.94  |                                                | 042  | 1.00     | 0.94  |
| CC5A/CD5A/CD5BW                                | 042  | 1.00     | 0.94  | CC5A/CD5A/CD5BW                                | 042  | 1.00     | 0.94  |
| CD3(A,B)A                                      | 036  | 1.00     | 0.95  | CD3(A,B)A                                      | 036  | 1.00     | 0.95  |
|                                                | 042  | 1.00     | 0.94  |                                                | 042  | 1.00     | 0.94  |
| CD5A/CD5BW                                     | 036  | 1.00     | 0.95  | CD5A/CD5BW                                     | 036  | 1.00     | 0.95  |
| CE3AA                                          | 036  | 1.00     | 0.95  | CE3AA                                          | 036  | 1.00     | 0.95  |
|                                                | 042  | 1.00     | 0.95  |                                                | 042  | 1.00     | 0.95  |
| CJ5A/CK5A/CK5BA                                | 036  | 1.00     | 0.95  | CJ5A/CK5A/CK5BA                                | 042  | 1.00     | 0.92  |
| CJ5A/CK5A/CK5BN                                | 036  | 0.94     | 0.96  | CJ5A/CK5A/CK5BW                                | 036  | 1.00     | 0.92  |
| CK3BA                                          | 036  | 1.00     | 0.95  | CK3BA                                          | 036  | 1.00     | 0.92  |
|                                                | 042  | 1.00     | 0.94  |                                                | 042  | 1.00     | 0.92  |
| COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE |      |          |       | COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE |      |          |       |
| CC5A/CD5A/CD5BA                                | 036  | 1.00     | 0.95  | CC5A/CD5A/CD5BA                                | 036  | 1.00     | 0.95  |
|                                                | 042  | 1.00     | 0.94  |                                                | 042  | 1.00     | 0.94  |
| CC5A/CD5A/CD5BW                                | 042  | 1.00     | 0.94  | CC5A/CD5A/CD5BW                                | 042  | 1.00     | 0.94  |
| CD3(A,B)A                                      | 036  | 1.00     | 0.95  | CD3(A,B)A                                      | 036  | 1.00     | 0.95  |
|                                                | 042  | 1.00     | 0.94  |                                                | 042  | 1.00     | 0.94  |
| CD5A/CD5BW                                     | 036  | 1.00     | 0.95  | CD5A/CD5BW                                     | 036  | 1.00     | 0.95  |
| CE3AA                                          | 036  | 1.00     | 0.95  | CE3AA                                          | 036  | 1.00     | 0.95  |
|                                                | 042  | 1.00     | 0.95  |                                                | 042  | 1.00     | 0.95  |
| CJ5A/CK5A/CK5BA                                | 042  | 1.00     | 0.93  | CJ5A/CK5A/CK5BA                                | 042  | 1.00     | 0.92  |
| CJ5A/CK5A/CK5BW                                | 036  | 1.00     | 0.94  | CJ5A/CK5A/CK5BW                                | 036  | 1.00     | 0.92  |
| CK3BA                                          | 036  | 1.00     | 0.94  | CK3BA                                          | 042  | 1.00     | 0.92  |
|                                                | 042  | 1.00     | 0.93  |                                                | —    | —        | —     |

See notes on pg. 24.

# Detailed cooling capacities\* continued

| EVAPORATOR<br>AIR                                                                  |     | CONDENSER ENTERING AIR TEMPERATURES °F |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |  |
|------------------------------------------------------------------------------------|-----|----------------------------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--|
|                                                                                    |     | 85                                     |       |                         | 95                 |       |                         | 105                |       |                         | 115                |       |                         | 125                |       |                         |  |
| CFM                                                                                | EWB | Capacity<br>MBtuh†                     |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** |  |
|                                                                                    |     | Total                                  | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         |  |
| 38BRC042-30, 50, 32, 52, 53 Outdoor Section With CC5A/CD5A/CD5BA042 Indoor Section |     |                                        |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |  |
| 1225                                                                               | 72  | 44.8                                   | 22.1  | 3.42                    | 42.9               | 21.4  | 3.75                    | 41.1               | 20.8  | 4.13                    | 39.1               | 20.0  | 4.53                    | 36.8               | 19.2  | 4.96                    |  |
|                                                                                    | 67  | 41.1                                   | 28.1  | 3.38                    | 39.4               | 27.4  | 3.71                    | 37.7               | 26.7  | 4.09                    | 35.8               | 25.9  | 4.48                    | 33.8               | 25.1  | 4.89                    |  |
|                                                                                    | 62  | 37.5                                   | 33.8  | 3.33                    | 36.0               | 33.1  | 3.67                    | 34.4               | 32.2  | 4.02                    | 32.8               | 31.4  | 4.42                    | 31.0               | 30.3  | 4.83                    |  |
|                                                                                    | 57  | 35.9                                   | 35.9  | 3.32                    | 34.8               | 34.8  | 3.66                    | 33.5               | 33.5  | 4.01                    | 32.0               | 32.0  | 4.40                    | 30.7               | 30.7  | 4.83                    |  |
| 1400                                                                               | 72  | 45.5                                   | 23.1  | 3.49                    | 43.7               | 22.5  | 3.84                    | 41.7               | 21.7  | 4.20                    | 39.5               | 21.0  | 4.60                    | 37.2               | 20.1  | 5.03                    |  |
|                                                                                    | 67  | 41.8                                   | 29.8  | 3.45                    | 40.0               | 29.0  | 3.77                    | 38.3               | 28.4  | 4.15                    | 36.3               | 27.6  | 4.55                    | 34.1               | 26.7  | 4.96                    |  |
|                                                                                    | 62  | 38.3                                   | 36.0  | 3.41                    | 36.7               | 35.1  | 3.73                    | 35.1               | 34.3  | 4.11                    | 33.4               | 33.1  | 4.49                    | 31.6               | 31.6  | 4.90                    |  |
|                                                                                    | 57  | 37.2                                   | 37.2  | 3.39                    | 36.0               | 36.0  | 3.73                    | 34.7               | 34.7  | 4.11                    | 33.2               | 33.2  | 4.50                    | 31.8               | 31.8  | 4.93                    |  |
| 1575                                                                               | 72  | 45.9                                   | 24.0  | 3.56                    | 44.1               | 23.3  | 3.90                    | 42.1               | 22.6  | 4.27                    | 39.8               | 21.8  | 4.67                    | 37.4               | 21.0  | 5.10                    |  |
|                                                                                    | 67  | 42.3                                   | 31.4  | 3.51                    | 40.6               | 30.7  | 3.86                    | 38.7               | 29.9  | 4.22                    | 36.6               | 29.1  | 4.61                    | 34.4               | 28.2  | 5.03                    |  |
|                                                                                    | 62  | 38.9                                   | 37.9  | 3.47                    | 37.3               | 36.9  | 3.80                    | 35.7               | 35.7  | 4.17                    | 34.1               | 34.1  | 4.57                    | 32.5               | 32.5  | 5.01                    |  |
|                                                                                    | 57  | 38.4                                   | 38.4  | 3.48                    | 37.0               | 37.0  | 3.80                    | 35.7               | 35.7  | 4.18                    | 34.2               | 34.2  | 4.59                    | 32.6               | 32.6  | 5.01                    |  |

Multipliers for Determining the Performance With Other Indoor Sections

| Indoor<br>Section                          | Size | Cooling  |       | Indoor<br>Section                              | Size | Cooling  |       |
|--------------------------------------------|------|----------|-------|------------------------------------------------|------|----------|-------|
|                                            |      | Capacity | Power |                                                |      | Capacity | Power |
| CC5A/CD5A/CD5BA                            | 042  | 1.00     | 1.00  | CD5A/CD5BA                                     | 048  | 1.00     | 0.94  |
| CC5A/CD5A/CD5BC                            | 048  | 1.00     | 1.00  | CJ5A/CK5A/CK5BA                                | 042  | 1.00     | 1.00  |
| CC5A/CD5A/CD5BW                            | 042  | 1.00     | 1.00  |                                                | 048  | 1.01     | 0.99  |
|                                            | 048  | 1.01     | 1.00  | CK3BA                                          | 042  | 1.00     | 1.00  |
| CD3(A,B)A                                  | 042  | 1.00     | 1.00  |                                                | 048  | 1.01     | 0.99  |
|                                            | 048  | 1.01     | 1.00  | COILS + 58MVP080-20 VARIABLE-SPEED FURNACE     |      |          |       |
| CD5A/CD5BA                                 | 048  | 1.01     | 1.00  | CJ5A/CK5A/CK5BA                                | 048  | 1.01     | 0.99  |
| CE3AA                                      | 042  | 1.00     | 1.00  | CK3BA                                          | 048  | 1.01     | 0.99  |
|                                            | 048  | 1.01     | 1.00  | COILS + 58MVP100-20 VARIABLE-SPEED FURNACE     |      |          |       |
| CF5AA                                      | 048  | 1.01     | 1.00  | CC5A/CD5A/CD5BA                                | 042  | 1.00     | 0.94  |
| CG5AA                                      | 048  | 1.01     | 1.00  | CC5A/CD5A/CD5BW                                | 042  | 1.00     | 0.94  |
| CJ5A/CK5A/CK5BA                            | 042  | 1.00     | 1.00  |                                                | 048  | 1.00     | 0.94  |
|                                            | 048  | 1.01     | 1.00  | CD3(A,B)A                                      | 042  | 1.00     | 0.94  |
| CJ5A/CK5A/CK5BN                            | 042  | 0.98     | 1.00  |                                                | 048  | 1.00     | 0.94  |
|                                            | 048  | 0.99     | 1.00  | CD5A/CD5BA                                     | 048  | 1.00     | 0.94  |
| CJ5A/CK5A/CK5BW                            | 048  | 1.01     | 1.00  | CJ5A/CK5A/CK5BA                                | 042  | 1.00     | 0.98  |
| CK3BA                                      | 042  | 1.00     | 1.00  |                                                | 048  | 1.01     | 0.97  |
|                                            | 048  | 1.01     | 1.00  | CK3BA                                          | 042  | 1.00     | 0.98  |
| CM5A/CM5BA                                 | 042  | 1.00     | 0.99  |                                                | 048  | 1.01     | 0.97  |
|                                            | 048  | 1.01     | 1.00  | COILS + 58MVP120-20 VARIABLE-SPEED FURNACE     |      |          |       |
| F(A,B)4AN(F,B,C)                           | 042  | 1.00     | 1.01  | CJ5A/CK5A/CK5BA                                | 042  | 1.00     | 0.98  |
|                                            | 048  | 1.01     | 1.02  | CJ5A/CK5A/CK5BW                                | 048  | 1.01     | 0.93  |
| FC4BN(F,B)                                 | 042  | 1.00     | 1.01  | CK3BA                                          | 042  | 1.00     | 0.98  |
|                                            | 048  | 1.01     | 1.02  | COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE |      |          |       |
| FC4BNB                                     | 054  | 1.05     | 1.00  | CC5A/CD5A/CD5BA                                | 042  | 1.00     | 0.95  |
| FC4BNF                                     | 038  | 1.02     | 1.02  | CC5A/CD5A/CD5BW                                | 042  | 1.00     | 0.95  |
| FG3AAA                                     | 048  | 1.01     | 1.00  |                                                | 048  | 1.01     | 0.94  |
| FK4CNB                                     | 006  | 1.05     | 0.93  | CD3(A,B)A                                      | 042  | 1.00     | 0.95  |
| FK4CNF                                     | 003  | 1.02     | 0.94  |                                                | 048  | 1.01     | 0.94  |
|                                            | 005  | 1.04     | 0.94  | CD5A/CD5BA                                     | 048  | 1.01     | 0.94  |
| COILS + 58MVP080-14 VARIABLE-SPEED FURNACE |      |          |       | CE3AA                                          | 042  | 1.00     | 0.95  |
| CC5A/CD5A/CD5BA                            | 042  | 1.00     | 0.94  |                                                | 048  | 1.01     | 0.95  |
| CC5A/CD5A/CD5BW                            | 042  | 1.00     | 0.94  | CJ5A/CK5A/CK5BA                                | 042  | 1.00     | 0.95  |
|                                            | 048  | 1.00     | 0.94  |                                                | 048  | 1.01     | 0.94  |
| CD3(A,B)A                                  | 042  | 1.00     | 0.94  | CK3BA                                          | 042  | 1.00     | 0.95  |
|                                            | 048  | 1.00     | 0.94  |                                                | 048  | 1.01     | 0.94  |

See notes on pg. 24.

# Detailed cooling capacities\* continued

| EVAPORATOR<br>AIR                                                                            |     | CONDENSER ENTERING AIR TEMPERATURES °F |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |  |
|----------------------------------------------------------------------------------------------|-----|----------------------------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--|
|                                                                                              |     | 85                                     |       |                         | 95                 |       |                         | 105                |       |                         | 115                |       |                         | 125                |       |                         |  |
| CFM                                                                                          | EWB | Capacity<br>MBtuh†                     |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** |  |
|                                                                                              |     | Total                                  | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         |  |
| 38BRC042-30, 50, 32, 52, 53 Outdoor Section With CC5A/CD5A/CD5BA042 Indoor Section continued |     |                                        |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |  |
| 1225                                                                                         | 72  | 44.8                                   | 22.1  | 3.42                    | 42.9               | 21.4  | 3.75                    | 41.1               | 20.8  | 4.13                    | 39.1               | 20.0  | 4.53                    | 36.8               | 19.2  | 4.96                    |  |
|                                                                                              | 67  | 41.1                                   | 28.1  | 3.38                    | 39.4               | 27.4  | 3.71                    | 37.7               | 26.7  | 4.09                    | 35.8               | 25.9  | 4.48                    | 33.8               | 25.1  | 4.89                    |  |
|                                                                                              | 62  | 37.5                                   | 33.8  | 3.33                    | 36.0               | 33.1  | 3.67                    | 34.4               | 32.2  | 4.02                    | 32.8               | 31.4  | 4.42                    | 31.0               | 30.3  | 4.83                    |  |
|                                                                                              | 57  | 35.9                                   | 35.9  | 3.32                    | 34.8               | 34.8  | 3.66                    | 33.5               | 33.5  | 4.01                    | 32.0               | 32.0  | 4.40                    | 30.7               | 30.7  | 4.83                    |  |
| 1400                                                                                         | 72  | 45.5                                   | 23.1  | 3.49                    | 43.7               | 22.5  | 3.84                    | 41.7               | 21.7  | 4.20                    | 39.5               | 21.0  | 4.60                    | 37.2               | 20.1  | 5.03                    |  |
|                                                                                              | 67  | 41.8                                   | 29.8  | 3.45                    | 40.0               | 29.0  | 3.77                    | 38.3               | 28.4  | 4.15                    | 36.3               | 27.6  | 4.55                    | 34.1               | 26.7  | 4.96                    |  |
|                                                                                              | 62  | 38.3                                   | 36.0  | 3.41                    | 36.7               | 35.1  | 3.73                    | 35.1               | 34.3  | 4.11                    | 33.4               | 33.1  | 4.49                    | 31.6               | 31.6  | 4.90                    |  |
|                                                                                              | 57  | 37.2                                   | 37.2  | 3.39                    | 36.0               | 36.0  | 3.73                    | 34.7               | 34.7  | 4.11                    | 33.2               | 33.2  | 4.50                    | 31.8               | 31.8  | 4.93                    |  |
| 1575                                                                                         | 72  | 45.9                                   | 24.0  | 3.56                    | 44.1               | 23.3  | 3.90                    | 42.1               | 22.6  | 4.27                    | 39.8               | 21.8  | 4.67                    | 37.4               | 21.0  | 5.10                    |  |
|                                                                                              | 67  | 42.3                                   | 31.4  | 3.51                    | 40.6               | 30.7  | 3.86                    | 38.7               | 29.9  | 4.22                    | 36.6               | 29.1  | 4.61                    | 34.4               | 28.2  | 5.03                    |  |
|                                                                                              | 62  | 38.9                                   | 37.9  | 3.47                    | 37.3               | 36.9  | 3.80                    | 35.7               | 35.7  | 4.17                    | 34.1               | 34.1  | 4.57                    | 32.5               | 32.5  | 5.01                    |  |
|                                                                                              | 57  | 38.4                                   | 38.4  | 3.48                    | 37.0               | 37.0  | 3.80                    | 35.7               | 35.7  | 4.18                    | 34.2               | 34.2  | 4.59                    | 32.6               | 32.6  | 5.01                    |  |

Multipliers for Determining the Performance With Other Indoor Sections

| Indoor<br>Section                              | Size | Cooling  |       | Indoor<br>Section                              | Size | Cooling  |       |
|------------------------------------------------|------|----------|-------|------------------------------------------------|------|----------|-------|
|                                                |      | Capacity | Power |                                                |      | Capacity | Power |
| COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE |      |          |       | COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE |      |          |       |
| CC5A/CD5A/CD5BA                                | 042  | 1.00     | 0.95  | CC5A/CD5A/CD5BA                                | 042  | 1.00     | 0.95  |
| CC5A/CD5A/CD5BW                                | 042  | 1.00     | 0.95  | CC5A/CD5A/CD5BW                                | 042  | 1.00     | 0.95  |
|                                                | 048  | 1.01     | 0.94  |                                                | 048  | 1.01     | 0.94  |
| CD3(A,B)A                                      | 042  | 1.00     | 0.95  | CD3(A,B)A                                      | 042  | 1.00     | 0.95  |
|                                                | 048  | 1.01     | 0.94  |                                                | 048  | 1.01     | 0.94  |
| CD5A/CD5BA                                     | 048  | 1.01     | 0.94  | CD5A/CD5BA                                     | 048  | 1.01     | 0.94  |
| CE3AA                                          | 042  | 1.00     | 0.95  | CE3AA                                          | 042  | 1.00     | 0.95  |
|                                                | 048  | 1.01     | 0.95  |                                                | 048  | 1.01     | 0.95  |
| CJ5A/CK5A/CK5BA                                | 042  | 1.00     | 0.93  | CJ5A/CK5A/CK5BA                                | 042  | 1.00     | 0.93  |
| CJ5A/CK5A/CK5BW                                | 048  | 1.01     | 0.93  | CJ5A/CK5A/CK5BW                                | 048  | 1.01     | 0.93  |
| CK3BA                                          | 042  | 1.00     | 0.93  | CK3BA                                          | 042  | 1.00     | 0.93  |

See notes on pg. 24.

# Detailed cooling capacities\* continued

| EVAPORATOR<br>AIR                                                          |     | CONDENSER ENTERING AIR TEMPERATURES °F |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |
|----------------------------------------------------------------------------|-----|----------------------------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|
|                                                                            |     | 85                                     |       |                         | 95                 |       |                         | 105                |       |                         | 115                |       |                         | 125                |       |                         |
| CFM                                                                        | EWB | Capacity<br>MBtuh†                     |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** |
|                                                                            |     | Total                                  | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         |
| 38BRC048-30, 32, 52 Outdoor Section With CC5A/CD5A/CD5BW048 Indoor Section |     |                                        |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |
| 1400                                                                       | 72  | 52.6                                   | 25.5  | 4.05                    | 50.3               | 24.7  | 4.51                    | 48.0               | 23.8  | 5.00                    | 45.6               | 22.9  | 5.52                    | 43.0               | 22.0  | 6.08                    |
|                                                                            | 67  | 48.1                                   | 32.0  | 4.00                    | 46.0               | 31.2  | 4.44                    | 43.8               | 30.3  | 4.92                    | 41.5               | 29.3  | 5.43                    | 39.2               | 28.3  | 5.98                    |
|                                                                            | 62  | 44.0                                   | 38.5  | 3.97                    | 42.1               | 37.5  | 4.41                    | 40.1               | 36.6  | 4.87                    | 38.0               | 35.5  | 5.37                    | 35.8               | 34.3  | 5.90                    |
|                                                                            | 57  | 41.4                                   | 41.4  | 3.94                    | 40.1               | 40.1  | 4.39                    | 38.5               | 38.5  | 4.85                    | 36.9               | 36.9  | 5.35                    | 35.1               | 35.1  | 5.88                    |
| 1600                                                                       | 72  | 53.5                                   | 26.6  | 4.12                    | 51.1               | 25.7  | 4.58                    | 48.7               | 24.8  | 5.07                    | 46.1               | 23.9  | 5.60                    | 43.4               | 23.0  | 6.16                    |
|                                                                            | 67  | 49.1                                   | 33.9  | 4.09                    | 47.0               | 33.0  | 4.54                    | 44.7               | 32.1  | 5.02                    | 42.4               | 31.2  | 5.54                    | 39.9               | 30.2  | 6.08                    |
|                                                                            | 62  | 44.9                                   | 40.9  | 4.04                    | 42.9               | 39.9  | 4.48                    | 40.8               | 38.8  | 4.95                    | 38.6               | 37.6  | 5.45                    | 36.3               | 36.1  | 5.98                    |
|                                                                            | 57  | 43.1                                   | 43.1  | 4.04                    | 41.6               | 41.6  | 4.47                    | 39.9               | 39.9  | 4.94                    | 38.1               | 38.1  | 5.45                    | 36.2               | 36.2  | 5.98                    |
| 1800                                                                       | 72  | 54.1                                   | 27.5  | 4.19                    | 51.7               | 26.6  | 4.66                    | 49.2               | 25.8  | 5.15                    | 46.5               | 24.8  | 5.68                    | 43.7               | 23.9  | 6.24                    |
|                                                                            | 67  | 49.8                                   | 35.6  | 4.16                    | 47.5               | 34.7  | 4.61                    | 45.4               | 33.9  | 5.11                    | 43.0               | 32.9  | 5.63                    | 40.2               | 31.8  | 6.16                    |
|                                                                            | 62  | 45.6                                   | 43.2  | 4.13                    | 43.6               | 42.1  | 4.58                    | 41.5               | 40.8  | 5.05                    | 39.4               | 39.3  | 5.55                    | 37.1               | 37.1  | 6.08                    |
|                                                                            | 57  | 44.4                                   | 44.4  | 4.11                    | 42.8               | 42.8  | 4.55                    | 41.0               | 41.0  | 5.03                    | 39.1               | 39.1  | 5.54                    | 37.2               | 37.2  | 6.08                    |

Multipliers for Determining the Performance With Other Indoor Sections

| Indoor<br>Section                          | Size | Cooling  |       | Indoor<br>Section                              | Size | Cooling  |       |
|--------------------------------------------|------|----------|-------|------------------------------------------------|------|----------|-------|
|                                            |      | Capacity | Power |                                                |      | Capacity | Power |
| CC5A/CD5A/CD5BA                            | 060  | 1.01     | 1.00  | CJ5A/CK5A/CK5BX                                | 060  | 1.02     | 0.98  |
| CC5A/CD5A/CD5BC                            | 048  | 0.98     | 0.99  | CK3BA                                          | 048  | 1.00     | 0.98  |
| CC5A/CD5A/CD5BW                            | 048  | 1.00     | 1.00  |                                                | 060  | 1.01     | 0.98  |
|                                            | 060  | 1.01     | 1.00  | COILS + 58MVP100-20 VARIABLE-SPEED FURNACE     |      |          |       |
| CD3(A,B)A                                  | 048  | 1.00     | 1.00  | CC5A/CD5A/CD5BW                                | 060  | 1.00     | 0.96  |
|                                            | 060  | 1.01     | 1.00  | CJ5A/CK5A/CK5BA                                | 048  | 1.00     | 0.96  |
| CD5A/CD5BA                                 | 048  | 1.00     | 1.00  |                                                | 060  | 1.01     | 0.96  |
| CE3AA                                      | 048  | 1.00     | 1.00  | CJ5A/CK5A/CK5BN                                | 060  | 1.01     | 0.96  |
|                                            | 060  | 1.01     | 1.00  | CJ5A/CK5A/CK5BX                                | 060  | 1.02     | 0.96  |
| CF5AA                                      | 048  | 1.00     | 0.99  | CK3BA                                          | 048  | 1.00     | 0.96  |
| CG5AA                                      | 048  | 1.00     | 0.99  |                                                | 060  | 1.01     | 0.96  |
| CJ5A/CK5A/CK5BA                            | 048  | 1.00     | 1.00  | COILS + 58MVP120-20 VARIABLE-SPEED FURNACE     |      |          |       |
|                                            | 060  | 1.01     | 1.00  | CC5A/CD5A/CD5BW                                | 060  | 1.00     | 0.96  |
| CJ5A/CK5A/CK5BN                            | 048  | 0.98     | 1.00  | CJ5A/CK5A/CK5BA                                | 060  | 1.01     | 0.96  |
|                                            | 060  | 1.01     | 1.00  | CJ5A/CK5A/CK5BX                                | 060  | 1.02     | 0.96  |
| CJ5A/CK5A/CK5BW                            | 048  | 1.00     | 1.00  | CK3BA                                          | 060  | 1.01     | 0.96  |
| CJ5A/CK5A/CK5BX                            | 060  | 1.01     | 1.00  | COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE |      |          |       |
| CK3BA                                      | 048  | 1.00     | 1.00  | CC5A/CD5A/CD5BW                                | 060  | 1.00     | 0.96  |
|                                            | 060  | 1.01     | 1.00  | CE3AA                                          | 060  | 1.00     | 0.93  |
| CM5A/CM5B                                  | 048  | 0.99     | 0.98  | CJ5A/CK5A/CK5BA                                | 048  | 1.00     | 0.97  |
| F(A,B)4AN(F,B)                             | 048  | 1.00     | 1.02  | CK3BA                                          | 048  | 1.00     | 0.97  |
|                                            | 060  | 1.01     | 1.03  |                                                | 060  | 1.01     | 0.97  |
| FC4BN(F,B)                                 | 048  | 1.00     | 1.02  | COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE |      |          |       |
|                                            | 060  | 1.01     | 1.03  | CC5A/CD5A/CD5BW                                | 060  | 1.00     | 0.96  |
| FC4BNB                                     | 054  | 1.02     | 1.01  | CE3AA                                          | 060  | 1.00     | 0.93  |
| FG3AAA                                     | 048  | 1.00     | 1.00  | CJ5A/CK5A/CK5BA                                | 060  | 1.01     | 0.94  |
|                                            | 060  | 1.02     | 1.00  | CJ5A/CK5A/CK5BW                                | 048  | 1.00     | 0.94  |
| FK4CNF                                     | 005  | 1.00     | 0.96  | CJ5A/CK5A/CK5BX                                | 060  | 1.02     | 0.93  |
| FK4CNB                                     | 006  | 1.02     | 0.95  | CK3BA                                          | 048  | 1.00     | 0.94  |
| COILS + 58MVP080-14 VARIABLE-SPEED FURNACE |      |          |       |                                                | 060  | 1.01     | 0.94  |
| CJ5A/CK5A/CK5BA                            | 048  | 1.00     | 0.97  | COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE |      |          |       |
| CK3BA                                      | 048  | 1.00     | 0.97  | CC5A/CD5A/CD5BW                                | 060  | 1.00     | 0.96  |
|                                            | 060  | 1.01     | 0.98  | CE3AA                                          | 060  | 1.00     | 0.93  |
| COILS + 58MVP080-20 VARIABLE-SPEED FURNACE |      |          |       | CJ5A/CK5A/CK5BA                                | 060  | 1.01     | 0.94  |
| CC5A/CD5A/CD5BW                            | 060  | 1.00     | 0.96  | CJ5A/CK5A/CK5BW                                | 048  | 1.00     | 0.95  |
| CJ5A/CK5A/CK5BA                            | 048  | 1.00     | 0.98  | CJ5A/CK5A/CK5BX                                | 060  | 1.02     | 0.94  |
|                                            | 060  | 1.01     | 0.98  | CK3BA                                          | 048  | 1.00     | 0.95  |
| CJ5A/CK5A/CK5BN                            | 060  | 1.01     | 0.98  |                                                | 060  | 1.01     | 0.94  |

See notes on pg. 24.

# Detailed cooling capacities\* continued

| EVAPORATOR<br>AIR                                                          |     | CONDENSER ENTERING AIR TEMPERATURES °F |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |
|----------------------------------------------------------------------------|-----|----------------------------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|--------------------|-------|-------------------------|
|                                                                            |     | 85                                     |       |                         | 95                 |       |                         | 105                |       |                         | 115                |       |                         | 125                |       |                         |
| CFM                                                                        | EWB | Capacity<br>MBtuh†                     |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** | Capacity<br>MBtuh† |       | Total<br>System<br>KW** |
|                                                                            |     | Total                                  | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         | Total              | Sens‡ |                         |
| 38BRC060-30, 32, 52 Outdoor Section With CC5A/CD5A/CD5BW060 Indoor Section |     |                                        |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |                    |       |                         |
| 1750                                                                       | 72  | 64.4                                   | 31.5  | 5.03                    | 61.7               | 30.5  | 5.55                    | 58.9               | 29.4  | 6.12                    | 55.9               | 28.3  | 6.73                    | 52.8               | 27.2  | 7.37                    |
|                                                                            | 67  | 59.3                                   | 29.8  | 4.94                    | 56.8               | 28.7  | 5.46                    | 54.2               | 27.6  | 6.02                    | 51.5               | 26.5  | 6.61                    | 48.7               | 25.3  | 7.24                    |
|                                                                            | 62  | 54.4                                   | 27.8  | 4.87                    | 52.1               | 26.7  | 5.38                    | 49.7               | 25.5  | 5.91                    | 47.2               | 24.3  | 6.49                    | 44.6               | 22.9  | 7.12                    |
|                                                                            | 57  | 51.6                                   | 26.1  | 4.84                    | 49.8               | 25.1  | 5.34                    | 48.0               | 24.0  | 5.88                    | 46.0               | 23.0  | 6.46                    | 43.9               | 21.9  | 7.10                    |
| 2000                                                                       | 72  | 65.8                                   | 32.9  | 5.15                    | 63.0               | 31.8  | 5.67                    | 60.0               | 30.7  | 6.25                    | 56.9               | 29.6  | 6.85                    | 53.7               | 28.5  | 7.50                    |
|                                                                            | 67  | 60.6                                   | 31.1  | 5.06                    | 58.0               | 30.1  | 5.58                    | 55.3               | 29.0  | 6.14                    | 52.4               | 28.5  | 6.73                    | 49.5               | 27.6  | 7.37                    |
|                                                                            | 62  | 55.3                                   | 29.1  | 4.97                    | 52.9               | 28.1  | 5.47                    | 50.5               | 27.0  | 6.02                    | 47.9               | 26.8  | 6.60                    | 45.3               | 26.1  | 7.23                    |
|                                                                            | 57  | 53.4                                   | 27.4  | 4.94                    | 51.5               | 26.5  | 5.45                    | 49.5               | 25.5  | 6.00                    | 47.4               | 24.4  | 6.59                    | 45.2               | 25.2  | 7.23                    |
| 2250                                                                       | 72  | 66.8                                   | 34.2  | 5.26                    | 63.9               | 33.1  | 5.78                    | 60.9               | 32.0  | 6.36                    | 57.3               | 30.8  | 6.95                    | 54.0               | 29.6  | 7.60                    |
|                                                                            | 67  | 61.3                                   | 32.4  | 5.16                    | 58.9               | 31.2  | 5.69                    | 56.1               | 30.1  | 6.26                    | 53.2               | 29.0  | 6.85                    | 49.8               | 28.5  | 7.47                    |
|                                                                            | 62  | 56.4                                   | 30.4  | 5.09                    | 53.9               | 29.2  | 5.59                    | 51.4               | 28.0  | 6.14                    | 48.9               | 27.8  | 6.73                    | 46.2               | 27.1  | 7.35                    |
|                                                                            | 57  | 55.0                                   | 28.7  | 5.05                    | 53.2               | 28.1  | 5.58                    | 50.9               | 27.0  | 6.12                    | 48.6               | 26.8  | 6.71                    | 46.3               | 26.3  | 7.35                    |

Multipliers for Determining the Performance With Other Indoor Sections

| Indoor<br>Section | Size | Cooling  |       | Indoor<br>Section                              | Size | Cooling  |       |
|-------------------|------|----------|-------|------------------------------------------------|------|----------|-------|
|                   |      | Capacity | Power |                                                |      | Capacity | Power |
| CC5A/CD5A/CD5BA   | 060  | 0.97     | 0.98  | FC4BNB                                         | 054  | 1.00     | 0.99  |
| CC5A/CD5A/CD5BW   | 060  | 1.00     | 1.00  |                                                | 070  | 0.01     | 1.02  |
| CD3(A,B)A         | 060  | 0.97     | 0.98  | FG3AAA                                         | 060  | 0.99     | 1.00  |
| CE3AA             | 060  | 1.00     | 1.00  | FK4CNB                                         | 006  | 1.02     | 0.98  |
| CJ5A/CK5A/CK5BA   | 060  | 0.97     | 0.98  | COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE |      |          |       |
| CJ5A/CK5A/CK5BN   | 060  | 0.97     | 0.99  | CJ5A/CK5A/CK5BA                                | 060  | 0.97     | 0.96  |
| CJ5A/CK5A/CK5BX   | 060  | 1.00     | 1.00  | CJ5A/CK5A/CK5BX                                | 060  | 1.00     | 0.96  |
| CK3BA             | 060  | 0.97     | 1.00  | CK3BA                                          | 060  | 0.97     | 0.96  |
| F(A,B)4AN(F,B)    | 060  | 1.00     | 1.04  | COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE |      |          |       |
| FB4ANB            | 070  | 0.01     | 1.02  | CJ5A/CK5A/CK5BA                                | 060  | 0.97     | 0.97  |
| FC4BN(F,B)        | 060  | 1.00     | 1.04  | CJ5A/CK5A/CK5BX                                | 060  | 1.00     | 0.97  |
|                   | —    | —        | —     | CK3BA                                          | 060  | 0.97     | 0.97  |

\* Detailed cooling capacities are based on indoor and outdoor unit at same elevation per ARI standard 210/240-89. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh (245 kw) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245 kw) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).

\*\* Unit kw is total of indoor and outdoor unit kilowatts.

**NOTE:** When the required data falls between the published data, interpolation may be performed.

# Condenser only ratings\*

| SST<br>°F                   |     | CONDENSER ENTERING AIR TEMPERATURES °F |      |       |       |       |       |       |
|-----------------------------|-----|----------------------------------------|------|-------|-------|-------|-------|-------|
|                             |     | 55                                     | 65   | 75    | 85    | 95    | 105   | 115   |
| 38BRC024-31                 |     |                                        |      |       |       |       |       |       |
| 30                          | TCG | 21.9                                   | 21.0 | 19.9  | 18.8  | 17.6  | 16.5  | 15.5  |
|                             | SDT | 75.8                                   | 85.8 | 95.7  | 106.0 | 116.0 | 126.0 | 136.0 |
|                             | KW  | 1.11                                   | 1.26 | 1.43  | 1.61  | 1.80  | 2.02  | 2.26  |
| 35                          | TCG | 24.0                                   | 23.1 | 22.0  | 20.9  | 19.6  | 18.4  | 17.3  |
|                             | SDT | 76.6                                   | 86.6 | 96.6  | 107.0 | 116.0 | 126.0 | 136.0 |
|                             | KW  | 1.10                                   | 1.26 | 1.43  | 1.61  | 1.81  | 2.03  | 2.27  |
| 40                          | TCG | 26.2                                   | 25.3 | 24.3  | 23.1  | 21.8  | 20.4  | 19.2  |
|                             | SDT | 77.9                                   | 87.8 | 97.7  | 108.0 | 118.0 | 127.0 | 137.0 |
|                             | KW  | 1.10                                   | 1.25 | 1.43  | 1.62  | 1.82  | 2.05  | 2.29  |
| 45                          | TCG | 28.5                                   | 27.6 | 26.6  | 25.3  | 24.0  | 22.6  | 21.2  |
|                             | SDT | 79.3                                   | 89.2 | 99.1  | 109.0 | 119.0 | 129.0 | 139.0 |
|                             | KW  | 1.09                                   | 1.25 | 1.43  | 1.63  | 1.84  | 2.07  | 2.32  |
| 50                          | TCG | 30.9                                   | 30.0 | 28.9  | 27.7  | 26.3  | 24.9  | 23.4  |
|                             | SDT | 80.7                                   | 90.7 | 101.0 | 111.0 | 120.0 | 130.0 | 140.0 |
|                             | KW  | 1.09                                   | 1.25 | 1.43  | 1.63  | 1.85  | 2.09  | 2.34  |
| 55                          | TCG | 33.4                                   | 32.5 | 31.4  | 30.2  | 28.8  | 27.2  | 25.6  |
|                             | SDT | 82.3                                   | 92.3 | 102.0 | 112.0 | 122.0 | 132.0 | 142.0 |
|                             | KW  | 1.08                                   | 1.25 | 1.44  | 1.64  | 1.87  | 2.11  | 2.37  |
| 38BRC030-31                 |     |                                        |      |       |       |       |       |       |
| 30                          | TCG | 27.5                                   | 26.3 | 25.0  | 23.7  | 22.3  | 20.9  | 19.4  |
|                             | SDT | 75.0                                   | 85.0 | 95.0  | 105.0 | 115.0 | 125.0 | 135.0 |
|                             | KW  | 1.38                                   | 1.61 | 1.87  | 2.16  | 2.47  | 2.81  | 3.16  |
| 35                          | TCG | 30.3                                   | 29.0 | 27.7  | 26.3  | 24.8  | 23.3  | 21.8  |
|                             | SDT | 75.1                                   | 85.1 | 95.1  | 105.0 | 115.0 | 125.0 | 135.0 |
|                             | KW  | 1.33                                   | 1.56 | 1.82  | 2.11  | 2.43  | 2.77  | 3.13  |
| 40                          | TCG | 33.2                                   | 31.9 | 30.5  | 29.0  | 27.5  | 25.9  | 24.2  |
|                             | SDT | 75.6                                   | 85.5 | 95.4  | 105.0 | 115.0 | 125.0 | 135.0 |
|                             | KW  | 1.29                                   | 1.52 | 1.78  | 2.06  | 2.38  | 2.73  | 3.10  |
| 45                          | TCG | 36.3                                   | 34.9 | 33.4  | 31.9  | 30.2  | 28.6  | 26.8  |
|                             | SDT | 76.6                                   | 86.2 | 96.1  | 106.0 | 116.0 | 126.0 | 136.0 |
|                             | KW  | 1.26                                   | 1.48 | 1.74  | 2.03  | 2.35  | 2.70  | 3.07  |
| 50                          | TCG | 39.6                                   | 38.1 | 36.5  | 34.8  | 33.1  | 31.4  | 29.5  |
|                             | SDT | 78.0                                   | 87.4 | 97.1  | 107.0 | 117.0 | 127.0 | 136.0 |
|                             | KW  | 1.24                                   | 1.46 | 1.71  | 1.99  | 2.31  | 2.66  | 3.04  |
| 55                          | TCG | 42.9                                   | 41.4 | 39.7  | 38.0  | 36.2  | 34.3  | 32.4  |
|                             | SDT | 79.5                                   | 88.9 | 98.4  | 108.0 | 118.0 | 128.0 | 137.0 |
|                             | KW  | 1.21                                   | 1.43 | 1.68  | 1.97  | 2.28  | 2.64  | 3.02  |
| 38BRC036-30, 50, 32, 52, 53 |     |                                        |      |       |       |       |       |       |
| 30                          | TCG | 33.4                                   | 31.9 | 30.2  | 28.5  | 26.8  | 24.9  | 22.9  |
|                             | SDT | 75.0                                   | 85.0 | 95.0  | 105.0 | 115.0 | 125.0 | 135.0 |
|                             | KW  | 1.80                                   | 2.03 | 2.26  | 2.50  | 2.74  | 2.96  | 3.17  |
| 35                          | TCG | 36.9                                   | 35.2 | 33.5  | 31.7  | 29.9  | 27.9  | 25.9  |
|                             | SDT | 75.1                                   | 85.1 | 95.1  | 105.0 | 115.0 | 125.0 | 135.0 |
|                             | KW  | 1.79                                   | 2.03 | 2.27  | 2.53  | 2.78  | 3.03  | 3.27  |
| 40                          | TCG | 40.5                                   | 38.8 | 37.0  | 35.1  | 33.1  | 31.1  | 28.9  |
|                             | SDT | 75.7                                   | 85.6 | 95.6  | 106.0 | 115.0 | 125.0 | 135.0 |
|                             | KW  | 1.78                                   | 2.03 | 2.29  | 2.55  | 2.82  | 3.09  | 3.35  |
| 45                          | TCG | 44.3                                   | 42.4 | 40.5  | 38.6  | 36.5  | 34.3  | 32.1  |
|                             | SDT | 76.8                                   | 86.6 | 96.3  | 106.0 | 116.0 | 126.0 | 136.0 |
|                             | KW  | 1.78                                   | 2.04 | 2.30  | 2.58  | 2.86  | 3.15  | 3.43  |
| 50                          | TCG | 48.2                                   | 46.3 | 44.3  | 42.2  | 40.0  | 37.8  | 35.4  |
|                             | SDT | 78.1                                   | 87.8 | 97.6  | 107.0 | 117.0 | 127.0 | 137.0 |
|                             | KW  | 1.78                                   | 2.04 | 2.32  | 2.61  | 2.91  | 3.21  | 3.51  |
| 55                          | TCG | 52.5                                   | 50.4 | 48.3  | 46.0  | 43.7  | 41.3  | 38.9  |
|                             | SDT | 79.7                                   | 89.3 | 98.9  | 109.0 | 118.0 | 128.0 | 138.0 |
|                             | KW  | 1.78                                   | 2.06 | 2.34  | 2.64  | 2.95  | 3.27  | 3.59  |

See notes on pg. 26

# Condenser only ratings\* continued

| SST<br>°F                   |     | CONDENSER ENTERING AIR TEMPERATURES °F |      |       |       |       |       |       |
|-----------------------------|-----|----------------------------------------|------|-------|-------|-------|-------|-------|
|                             |     | 55                                     | 65   | 75    | 85    | 95    | 105   | 115   |
| 38BRC042-30, 50, 32, 52, 53 |     |                                        |      |       |       |       |       |       |
| 30                          | TCG | 38.9                                   | 37.1 | 35.3  | 33.3  | 31.3  | 29.2  | 27.0  |
|                             | SDT | 72.1                                   | 81.9 | 91.7  | 102.0 | 111.0 | 121.0 | 130.0 |
|                             | KW  | 1.97                                   | 2.23 | 2.50  | 2.77  | 3.04  | 3.29  | 3.54  |
| 35                          | TCG | 42.7                                   | 40.8 | 38.8  | 36.7  | 34.6  | 32.3  | 30.1  |
|                             | SDT | 73.6                                   | 83.3 | 93.1  | 103.0 | 113.0 | 122.0 | 132.0 |
|                             | KW  | 1.99                                   | 2.26 | 2.54  | 2.83  | 3.12  | 3.40  | 3.67  |
| 40                          | TCG | 46.7                                   | 44.7 | 42.6  | 40.4  | 38.1  | 35.7  | 33.3  |
|                             | SDT | 75.1                                   | 84.8 | 94.5  | 104.0 | 114.0 | 124.0 | 133.0 |
|                             | KW  | 2.01                                   | 2.29 | 2.58  | 2.88  | 3.19  | 3.50  | 3.79  |
| 45                          | TCG | 50.9                                   | 48.8 | 46.5  | 44.2  | 41.7  | 39.2  | 36.6  |
|                             | SDT | 76.7                                   | 86.3 | 96.0  | 106.0 | 115.0 | 125.0 | 135.0 |
|                             | KW  | 2.02                                   | 2.31 | 2.62  | 2.94  | 3.26  | 3.59  | 3.91  |
| 50                          | TCG | 55.4                                   | 53.1 | 50.7  | 48.3  | 45.7  | 43.0  | 40.2  |
|                             | SDT | 78.4                                   | 88.0 | 97.7  | 107.0 | 117.0 | 127.0 | 136.0 |
|                             | KW  | 2.03                                   | 2.34 | 2.66  | 2.99  | 3.33  | 3.68  | 4.02  |
| 55                          | TCG | 60.2                                   | 57.7 | 55.1  | 52.5  | 49.8  | 46.9  | 44.0  |
|                             | SDT | 80.2                                   | 89.8 | 99.3  | 109.0 | 119.0 | 128.0 | 138.0 |
|                             | KW  | 2.04                                   | 2.36 | 2.70  | 3.04  | 3.40  | 3.76  | 4.13  |
| 38BRC048-30, 32, 52         |     |                                        |      |       |       |       |       |       |
| 30                          | TCG | 45.2                                   | 43.2 | 41.1  | 38.9  | 36.6  | 34.2  | 31.7  |
|                             | SDT | 75.3                                   | 85.2 | 95.2  | 105.0 | 115.0 | 125.0 | 135.0 |
|                             | KW  | 2.47                                   | 2.78 | 3.12  | 3.49  | 3.88  | 4.30  | 4.74  |
| 35                          | TCG | 49.6                                   | 47.5 | 45.3  | 43.0  | 40.6  | 38.1  | 35.5  |
|                             | SDT | 76.3                                   | 86.2 | 95.9  | 106.0 | 116.0 | 126.0 | 135.0 |
|                             | KW  | 2.47                                   | 2.77 | 3.11  | 3.49  | 3.89  | 4.32  | 4.76  |
| 40                          | TCG | 54.2                                   | 52.0 | 49.7  | 47.2  | 44.7  | 42.1  | 39.4  |
|                             | SDT | 77.7                                   | 87.4 | 97.2  | 107.0 | 117.0 | 127.0 | 136.0 |
|                             | KW  | 2.47                                   | 2.78 | 3.12  | 3.50  | 3.91  | 4.35  | 4.81  |
| 45                          | TCG | 59.1                                   | 56.7 | 54.3  | 51.7  | 49.0  | 46.2  | 43.4  |
|                             | SDT | 79.4                                   | 89.0 | 98.8  | 109.0 | 118.0 | 128.0 | 138.0 |
|                             | KW  | 2.48                                   | 2.79 | 3.14  | 3.52  | 3.94  | 4.39  | 4.86  |
| 50                          | TCG | 64.3                                   | 61.8 | 59.1  | 56.4  | 53.5  | 50.6  | 47.6  |
|                             | SDT | 81.2                                   | 90.8 | 100.0 | 110.0 | 120.0 | 130.0 | 139.0 |
|                             | KW  | 2.49                                   | 2.81 | 3.16  | 3.54  | 3.97  | 4.43  | 4.91  |
| 55                          | TCG | 69.8                                   | 67.0 | 64.2  | 61.3  | 58.3  | 55.2  | 51.9  |
|                             | SDT | 83.2                                   | 92.7 | 102.0 | 112.0 | 122.0 | 131.0 | 141.0 |
|                             | KW  | 2.51                                   | 2.82 | 3.18  | 3.57  | 4.00  | 4.47  | 4.97  |
| 38BRC060-30, 32, 52         |     |                                        |      |       |       |       |       |       |
| 30                          | TCG | 56.0                                   | 53.6 | 51.1  | 48.5  | 45.8  | 43.0  | 40.2  |
|                             | SDT | 77.0                                   | 86.8 | 96.7  | 107.0 | 117.0 | 126.0 | 136.0 |
|                             | KW  | 2.87                                   | 3.23 | 3.63  | 4.09  | 4.58  | 5.10  | 5.65  |
| 35                          | TCG | 61.3                                   | 58.7 | 56.1  | 53.3  | 50.4  | 47.5  | 44.5  |
|                             | SDT | 78.6                                   | 88.4 | 98.2  | 108.0 | 118.0 | 128.0 | 137.0 |
|                             | KW  | 2.89                                   | 3.26 | 3.67  | 4.13  | 4.63  | 5.16  | 5.72  |
| 40                          | TCG | 66.9                                   | 64.2 | 61.3  | 58.4  | 55.3  | 52.2  | 49.0  |
|                             | SDT | 80.4                                   | 90.1 | 99.9  | 110.0 | 120.0 | 129.0 | 139.0 |
|                             | KW  | 2.93                                   | 3.30 | 3.71  | 4.17  | 4.68  | 5.24  | 5.81  |
| 45                          | TCG | 72.8                                   | 69.9 | 66.8  | 63.7  | 60.5  | 57.1  | 53.6  |
|                             | SDT | 82.3                                   | 92.0 | 102.0 | 112.0 | 121.0 | 131.0 | 141.0 |
|                             | KW  | 2.97                                   | 3.34 | 3.76  | 4.23  | 4.74  | 5.30  | 5.91  |
| 50                          | TCG | 79.1                                   | 75.9 | 72.7  | 69.4  | 65.9  | 62.3  | 58.6  |
|                             | SDT | 84.4                                   | 94.1 | 104.0 | 113.0 | 123.0 | 133.0 | 143.0 |
|                             | KW  | 3.02                                   | 3.39 | 3.81  | 4.29  | 4.81  | 5.38  | 6.00  |
| 55                          | TCG | 85.6                                   | 82.3 | 78.9  | 75.3  | 71.6  | 67.8  | 63.8  |
|                             | SDT | 86.7                                   | 96.2 | 106.0 | 115.0 | 125.0 | 135.0 | 145.0 |
|                             | KW  | 3.07                                   | 3.45 | 3.88  | 4.35  | 4.88  | 5.46  | 6.09  |

\* ARI listing applies only to systems shown in Performance Data table.

**KW** — Total Power (Kw)

**SDT** — Saturated Temperature Leaving Compressor (°F)

**SST** — Saturated Temperature Entering Compressor (°F)

**TCG** — Gross Cooling Capacity (1000 Btuh)

## System design summary

1. Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01-in. wc.
2. Minimum outdoor operating air temperature without low-ambient operation accessory is 55°F (12.8°C).
3. Maximum outdoor operating air temperature is 125°F (51.7°C).
4. For reliable operation, unit should be level in all horizontal planes.
5. Maximum elevation of indoor coil above or below base of outdoor unit is: indoor coil above = 50 ft, indoor coil below = 150 ft. (See items 6 and 7 following.)
6. For interconnecting refrigerant tube lengths between 50 and 175 ft, consult the Residential Split System Long-Line Application Guideline available from equipment distributor.
7. Crankcase heater required when interconnecting refrigerant tube length exceeds 50 ft.
8. If any refrigerant tubing is buried, provide a minimum 6-in. vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in. may be buried without further consideration. For buried refrigerant tubing lengths greater than 36 in., consult Residential Split System Long-Line Application Guideline.
9. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.

# Guide specifications

## Air-Cooled, Split-System Air Conditioner 38BRC 2 to 5 Tons Nominal

### GENERAL

#### System Description

Outdoor-mounted, air-cooled, split-system air conditioner unit suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, propeller-type condenser fan, and a control box. Unit will discharge supply air upward as shown on contract drawings. Unit will be used in a refrigeration circuit to match up to a packaged fan coil or coil unit.

#### Quality Assurance

Unit will be rated in accordance with the latest edition of ARI Standard 210.

Unit will be certified for capacity, efficiency, and listed in the latest ARI directory.

Unit construction will comply with latest edition of ANSI/ASHRAE and with NEC.

Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have c-UL approval.

Unit cabinet will be capable of withstanding Federal Test Method Standard No. 141 (Method 6061) 500-hr salt spray test.

Air-cooled condenser coils will be leak tested at 150 psig and pressure tested at 300 psig.

Unit constructed in ISO9001 approved facility.

#### Delivery, Storage, and Handling

Unit will be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

#### Warranty (for inclusion by specifying engineer)

U.S. and Canada only.

### PRODUCTS

#### Equipment

Factory-assembled, single-piece, air-cooled air conditioner unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge (R22), and special features required prior to field start-up.

#### Unit Cabinet

Unit cabinet will be constructed of galvanized steel, bonderized, and coated with a powder coat paint.

#### Fans

Condenser fan will be direct-drive propeller type, discharging air upward.

Condenser fan motors will be totally enclosed, 1-phase type with class B insulation and permanently lubricated bearings.

Shafts will be corrosion resistant.

Fan blades will be statically and dynamically balanced.

Condenser fan openings will be equipped with steel wire safety guards.

#### Compressor

Compressor will be hermetically sealed.

Compressor will be mounted on rubber vibration isolators.

#### Condenser Coil

Condenser coil will be air cooled.

Coil will be constructed of aluminum fins mechanically bonded to copper tubes which are then cleaned, dehydrated, and sealed.

#### Refrigeration Components

Refrigeration circuit components will include liquid line shutoff valve with sweat connections, suction line shutoff valves with sweat connections, system charge of refrigerant R22, and compressor oil.

#### Operating Characteristics

The capacity of the unit will meet or exceed \_\_\_\_\_ Btuh at a suction temperature of \_\_\_\_\_ °F. The power consumption at full load will not exceed \_\_\_\_\_ kw.

Combination of the unit and the evaporator or fan coil unit will have a total net cooling capacity of \_\_\_\_\_ Btuh or greater at conditions of \_\_\_\_\_ CFM entering air temperature at the evaporator at \_\_\_\_\_ °F wet bulb and \_\_\_\_\_ °F dry bulb, and air entering the unit at \_\_\_\_\_ °F.

The system will have an SEER of \_\_\_\_\_ Btuh/watt or greater at DOE conditions.

#### Electrical Requirements

Nominal unit electrical characteristics will be \_\_\_\_\_ v, single phase, 60 hertz. The unit will be capable of satisfactory operation within voltage limits of \_\_\_\_\_ v to \_\_\_\_\_ v.

Unit electrical power will be single point connection.

Control circuit will be 24v.

#### Special Features

Refer to section of this literature identifying accessories and descriptions for specific features and available enhancements.



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