38VMH072-432
Outdoor Unit for
Variable Refrigerant Flow (VRF) Heat Pump Systems

Engineering Data Book

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HEAT PUMP BASIC INFORMATION

Specifications

38VMA***HDS5-1

Table 1 —Data Table

MODEL NAME			38VMA072HDS5-1	38VMA096HDS5-1
Power Source		V-Ph-Hz	208/230-3-60	208/230-3-60
Nominal Cooling Capacity*1		Btu/h	72,000	96,000
Nominal Heating Capacity*1		Btu/h	80,000	108,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB° F	-5~64	-5~64
Electrical Supply	MCA	A	45	46
	Recommended Fuse Size	A	50	50
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x 1	INVERTER-driven Scroll Hermetic x 1
	Crankcase	W	30 x 2	30 x 2
Fan	Type x Quantity		Propeller Fan x 2	Propeller Fan x 2
	Air flow rate	cfm	7650	7650
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	270 + 270	270 + 270
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		1	
	Ft^2		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5	37.5
Dimensions		H (in)	64-3/8	64-3/8
		W (in)	52-3/4	52-3/4
		D (in)	31-7/64	31-7/64
Net Weight		lbs	659	659
Sound pressure level*4		dBA	62.5	63.0
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In	7/8	7/8
	High Pressure	In	3/8	3/8
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		13	16

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19..

Table 2 —Data Table

MODEL NAME			38VMA120HDS5-1	38VMA144HDS5-1
Power Source		V-Ph-Hz	208/230-3-60	208/230-3-60
Nominal Cooling Capacity*1		Btu/h	120,000	144,000
Nominal Heating Capacity*1		Btu/h	126,000	160,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	46	70
	Recommended Fuse Size	A	50	80
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x 1	INVERTER-driven Scroll Hermetic x 2
	Crankcase	W	30 x 2	30 x 4
Fan	Type x Quantity		Propeller Fan x 2	Propeller Fan x 2
	Air flow rate	cfm	8250	8830
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	270 + 270	340 + 300
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		1	
	Ft^2		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5	37.5
Dimensions		H (in)	64-3/8	64-3/8
		W (in)	52-3/4	52-3/4
		D (in)	31-7/64	31-7/64
Net Weight		lbs	659	780
Sound pressure level *4		dBA	63.0	65.5
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In	1-1/8	1-1/8
	High Pressure	In	1/2	1/2
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (Max)		20	26

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 3 —Data Table

MODEL NAME			38VMA168HDS5-1	38VMA192HDS5-1
Power Source		V-Ph-Hz	208/230-3-60	208/230-3-60
Nominal Cooling Capacity*1		Btu/h	168,000	192,000
Nominal Heating Capacity*1		Btu/h	188,000	216,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	45 + 46	46 x 2
	Recommended Fuse Size	A	50 x 2	50 x 2
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x2	INVERTER-driven Scroll Hermetic x 2
	Crankcase	W	30 x 4	30 x 4
Fan	Type x Quantity		Propeller Fan x 4	Propeller Fan x 4
	Air flow rate	cfm	7650 + 7650	7650 + 7650
	Max. External static pressure (ESP)*2		0.24 in. WG (0Pa)	0.24 in. WG (0Pa)
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) x 2	(270 + 270) x 2
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		2	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 x 2	37.5 x 2
Dimensions		H (in)	64-3/8 × 2	64-3/8 × 2
		W (in)	52-3/4 × 2	52-3/4 × 2
		D (in)	31-7/64 x 2	31-7/64 x 2
Net Weight		lbs	659 + 659	659 + 659
Sound pressure level *4		dBA	65.0	65.0
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In	1-1/8	1-1/8
	High Pressure	In	5/8	5/8
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		29	33

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 4 —Data Table

MODEL NAME			38VMA216HDS5-1	38VMA240HDS5-1
Power Source		V-Ph-Hz	208/230-3-60	208/230-3-60
Nominal Cooling Capacity*1		Btu/h	216,000	240,000
Nominal Heating Capacity*1		Btu/h	234,000	252,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	46 x 2	46 x2
	Recommended Fuse Size	A	50 x 2	50 x 2
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x2	INVERTER-driven Scroll Hermetic x 2
	Crankcase	W	30 x 4	30 x 4
Fan	Type x Quantity		Propeller Fan x 4	Propeller Fan x 4
	Air flow rate	cfm	7650 + 8250	8250 + 8250
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) x 2	(270 + 270) x 2
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		2	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 x 2	37.5 x 2
Dimensions		H (in)	64-3/8 × 2	64-3/8 × 2
		W (in)	52-3/4 × 2	52-3/4 × 2
		D (in)	31-7/64 x 2	31-7/64 x 2
Net Weight		lbs	659 + 659	659 + 659
Sound pressure level *4		dBA	65.0	65.0
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In	1-1/8	1-1/8
	High Pressure	In	5/8	5/8
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		36	39

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 5 —Data Table

MODEL NAME			38VMA264HDS5-1	38VMA288HDS5-1
Power Source		V-Ph-Hz	208/230-3-60	208/230-3-60
Nominal Cooling Capacity*1		Btu/h	264,000	288,000
Nominal Heating Capacity*1		Btu/h	286,000	320,000
Temp. range of cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Temp. range of heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	46 + 70	70 x 2
	Recommended Fuse Size	A	80 + 50	80 x 2
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x3	INVERTER-driven Scroll Hermetic x 4
	Crankcase	W	30 x 6	30 x 8
Fan	Type x Quantity		Propeller Fan x 4	Propeller Fan x 4
	Air flow rate	cfm	8250 + 8830	8830 + 8830
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) + (340 + 300)	(340 + 300) + (340 + 300)
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		2	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 x 2	37.5 x 2
Dimensions		H (in)	64-3/8 × 2	64-3/8 × 2
		W (in)	52-3/4 × 2	52-3/4 × 2
		D (in)	31-7/64 x 2	31-7/64 x 2
Net Weight		lbs	659 + 780	780 x 2
Sound pressure level *4		dBA	66.5	67.5
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In	1-3/8	1-3/8
	High Pressure	In	3/4	3/4
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		46	50

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 6 —Data Table

MODEL NAME			38VMA312HDS5-1	38VMA336HDS5-1
Power Source		V-Ph-Hz	208/230-3-60	208/230-3-60
Nominal Cooling Capacity*1		Btu/h	312,000	336,000
Nominal Heating Capacity*1		Btu/h	342,000	360,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	46 x 3	46 x3
	Recommended Fuse Size	A	50 x 3	50 x 3
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x3	INVERTER-driven Scroll Hermetic x3
	Crankcase	W	30 x 6	30 x 6
Fan	Type x Quantity		Propeller Fan x 6	Propeller Fan x 6
	Air flow rate	cfm	7650 + 7650 + 8250	7650 + 8250 + 8250
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) x 3	(270 + 270) x 3
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		3	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 x 3	37.5 x 3
Dimensions		H (in)	64-3/8 × 3	64-3/8 × 3
		W (in)	52-3/4 × 3	52-3/4 × 3
		D (in)	31-7/64 x 3	31-7/64 x 3
Net Weight		lbs	659 x 3	659 x 3
Sound pressure level *4		dBA	66.5	66.5
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping connections	Low Pressure	In	1-3/8	1-3/8
	High Pressure	In	3/4	3/4
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		53	56

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 7 —Data Table

MODEL NAME			38VMA360HDS5-1	38VMA384HDS5-1
Power Source		V-Ph-Hz	208/230-3-60	208/230-3-60
Nominal Cooling Capacity*1		Btu/h	360,000	384,000
Nominal Heating Capacity*1		Btu/h	378,000	412,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	46 x 3	(46 x 2) + 70
	Recommended Fuse Size	A	50 x 3	(50 x 2) + 80
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x3	INVERTER-driven Scroll Hermetic x4
	Crankcase	W	30 x 6	30 x 8
Fan	Type x Quantity		Propeller Fan x 6	Propeller Fan x 6
	Air flow rate	cfm	8250 + 8250 + 8250	8250 + 8250 + 8830
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) x 3	(270 + 270) x 2 + (340 + 300)
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		3	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 x 3	37.5 x 3
Dimensions		H (in)	64-3/8 × 3	64-3/8 × 3
		W (in)	52-3/4 × 3	52-3/4 × 3
		D (in)	31-7/64 x 3	31-7/64 x 3
Net Weight		lbs	659 x 3	(659 x 2) + 780
Sound pressure level *4		dBA	66.5	67.0
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In	1-3/8	1-3/8
	High Pressure	In	3/4	3/4
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		59	63

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 8 —Data Table

MODEL NAME			38VMA408HDS5-1	38VMA432HDS5-1
Power Source		V-Ph-Hz	208/230-3-60	208/230-3-60
Nominal Cooling Capacity*1		Btu/h	408,000	432,000
Nominal Heating Capacity*1		Btu/h	446,000	490,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	(70 x 2) + 46	70 x 3
	Recommended Fuse Size	A	(80 x 2) + 50	80 x 3
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x5	INVERTER-driven Scroll Hermetic x6
	Crankcase	W	30 x 10	30 x 12
Fan	Type x Quantity		Propeller Fan x 6	Propeller Fan x 6
	Air flow rate	cfm	8250 + 8830 + 8830	8830 + 8830 + 8830
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) + (340 + 300) x 2	(340 + 300) x 3
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		3	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 x 3	37.5 x 3
Dimensions		H (in)	64-3/8 × 3	64-3/8 × 3
		W (in)	52-3/4 × 3	52-3/4 × 3
		D (in)	31-7/64 x 3	31-7/64 x 3
Net Weight		lbs	(780 x 2) + 659	780 x 3
Sound pressure level *4		dBA	68.5	69.0
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In.	1-3/8	1-3/8
	High Pressure	In.	3/4	3/4
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		64	64

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 9 —Data Table

MODEL NAME			38VMA072HDS6-1	38VMA096HDS6-1
Power Source		V-Ph-Hz	460-3-60	460-3-60
Nominal Cooling Capacity*1		Btu/h	72,000	96,000
Nominal Heating Capacity*1		Btu/h	80,000	108,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	22	25
	Recommended Fuse Size	A	30	30
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x 1	INVERTER-driven Scroll Hermetic x 1
	Crankcase	W	30 x 2	30 x 2
Fan	Type x Quantity		Propeller Fan x 2	Propeller Fan x 2
	Air flow rate	cfm	7650	7650
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	270 + 270	270 + 270
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		1	
	Ft^2		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5	37.5
Dimensions		H (in)	64-3/8	64-3/8
		W (in)	52-3/4	52-3/4
		D (in)	31-7/64	31-7/64
Net Weight		lbs	659	659
Sound pressure level *4		dBA	62.5	63.0
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In.	7/8	7/8
	High Pressure	In.	3/8	3/8
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		13	16

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 10 —Data Table

MODEL NAME			38VMA120HDS6-1	38VMA144HDS6-1
Power Source		V-Ph-Hz	460-3-60	460-3-60
Nominal Cooling Capacity*1		Btu/h	120,000	144,000
Nominal Heating Capacity*1		Btu/h	126,000	160,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	25	33
	Recommended Fuse Size	A	30	40
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x 1	INVERTER-driven Scroll Hermetic x 2
	Crankcase	W	30 x 2	30 x 4
Fan	Type x Quantity		Propeller Fan x 2	Propeller Fan x 2
	Air flow rate	cfm	8250	8830
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	270 + 270	340 + 300
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		1	
	Ft^2		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5	37.5
Dimensions		H (in)	64-3/8	64-3/8
		W (in)	52-3/4	52-3/4
		D (in)	31-7/64	31-7/64
Net Weight		lbs	659	772
Sound pressure level *4		dBA	63.0	65.5
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In.	1-1/8	1-1/8
	High Pressure	In.	1/2	1/2
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		20	26

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 11 —Data Table

MODEL NAME			38VMA168HDS6-1	38VMA192HDS6-1
Power Source		V-Ph-Hz	460-3-60	460-3-60
Nominal Cooling Capacity*1		Btu/h	168,000	192,000
Nominal Heating Capacity*1		Btu/h	188,000	216,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	22 + 25	25 x 2
	Recommended Fuse Size	A	30 x 2	30 x 2
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x2	INVERTER-driven Scroll Hermetic x 2
	Crankcase	W	30 x 4	30 x 4
Fan	Type x Quantity		Propeller Fan x 4	Propeller Fan x 4
	Air flow rate	cfm	7650 + 7650	7650 + 7650
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) x 2	(270 + 270) x 2
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		2	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 x 2	37.5 x 2
Dimensions		H (in)	64-3/8 × 2	64-3/8 × 2
		W (in)	52-3/4 × 2	52-3/4 × 2
		D (in)	31-7/64 x 2	31-7/64 x 2
Net Weight		lbs	659 x 2	659 x 2
Sound pressure level *4		dBA	65.0	65.0
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In.	1-1/8	1-1/8
	High Pressure	In.	5/8	5/8
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		29	33

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 12 —Data Table

MODEL NAME			38VMA216HDS6-1	38VMA240HDS6-1
Power Source		V-Ph-Hz	460-3-60	460-3-60
Nominal Cooling Capacity*1		Btu/h	216,000	240,000
Nominal Heating Capacity*1		Btu/h	234,000	252,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	25 x 2	25 x 2
	Recommended Fuse Size	A	30 x 2	30 x 2
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x2	INVERTER-driven Scroll Hermetic x 2
	Crankcase	W	30 x 4	30 x 4
Fan	Type x Quantity		Propeller Fan x 4	Propeller Fan x 4
	Air flow rate	cfm	7650 + 8250	8250 + 8250
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) x 2	(270 + 270) x 2
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		2	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 x 2	37.5 x 2
Dimensions		H (in)	64-3/8 × 2	64-3/8 × 2
		W (in)	52-3/4 × 2	52-3/4 × 2
		D (in)	31-7/64 x 2	31-7/64 x 2
Net Weight		lbs	659 x 2	659 x 2
Sound pressure level *4		dBA	65.0	65.0
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In.	1-1/8	1-1/8
	High Pressure	In.	5/8	5/8
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		36	39

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 13 —Data Table

MODEL NAME			38VMA264HDS6-1	38VMA288HDS6-1
Power Source		V-Ph-Hz	460-3-60	460-3-60
Nominal Cooling Capacity*1		Btu/h	264,000	288,000
Nominal Heating Capacity*1		Btu/h	286,000	320,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	25 + 33	33 x 2
	Recommended Fuse Size	A	40 + 30	40 x 2
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x3	INVERTER-driven Scroll Hermetic x 4
	Crankcase	W	30 x 6	30 x 8
Fan	Type x Quantity		Propeller Fan x 4	Propeller Fan x 4
	Air flow rate	cfm	8250 + 8830	8830 + 8830
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) + (340 + 300)	(340 + 300) + (340 + 300)
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		2	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 x 2	37.5 x 2
Dimensions		H (in)	64-3/8 × 2	64-3/8 × 2
		W (in)	52-3/4 × 2	52-3/4 × 2
		D (in)	31-7/64 x 2	31-7/64 x 2
Net Weight		lbs	659 + 772	772 x 2
Sound pressure level *4		dBA	66.5	67.5
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In.	1-3/8	1-3/8
	High Pressure	In.	3/4	3/4
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		46	50

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 14 —Data Table

MODEL NAME			38VMA312HDS6-1	38VMA336HDS6-1
Power Source		V-Ph-Hz	460-3-60	460-3-60
Nominal Cooling Capacity*1		Btu/h	312,000	336,000
Nominal Heating Capacity*1		Btu/h	342,000	360,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	25 x 3	25 x 3
	Recommended Fuse Size	A	30 x 3	30 x 3
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x3	INVERTER-driven Scroll Hermetic x3
	Crankcase	W	30 x 6	30 x 6
Fan	Type x Quantity		Propeller Fan x 6	Propeller Fan x 6
	Air flow rate	cfm	7650 + 7650 + 8250	7650 + 8250 + 8250
	Max. External static pressure (ESP) *3		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) x 3	(270 + 270) x 3
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		3	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 x 3	37.5 x 3
Dimensions		H (in)	64-3/8 × 3	64-3/8 × 3
		W (in)	52-3/4 × 3	52-3/4 × 3
		D (in)	31-7/64 x 3	31-7/64 x 3
Net Weight		lbs	659 x 3	659 x 3
Sound pressure level *4		dBA	66.5	66.5
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In.	1-3/8	1-3/8
	High Pressure	In.	3/4	3/4
Indoor unit connectable	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		53	56

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 15 —Data Table

MODEL NAME			38VMA360HDS6-1	38VMA384HDS6-1
Power Source		V-Ph-Hz	460-3-60	460-3-60
Nominal Cooling Capacity*1		Btu/h	360,000	384,000
Nominal Heating Capacity*1		Btu/h	378,000	412,000
Operating Range Cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Operating Range Heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	25 x 3	(25 x 2) + 33
	Recommended Fuse Size	A	30 x 3	(30 x 2) + 40
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x3	INVERTER-driven Scroll Hermetic x4
	Crankcase	W	30 x 6	30 x 8
Fan	Type x Quantity		Propeller Fan x 6	Propeller Fan x 6
	Air flow rate	cfm	8250 + 8250 + 8250	8250 + 8250 + 8830
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) x 3	(270 + 270) x 2 + (340 + 300)
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty		3	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 X 3	37.5 X 3
Dimensions		H (in)	64-3/8 × 3	64-3/8 × 3
		W (in)	52-3/4 × 3	52-3/4 × 3
		D (in)	31-7/64 x 3	31-7/64 x 3
Net Weight		lbs	659 x 3	(659 x 2) + 772
Sound pressure level *4		dBA	66.5	67.0
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In.	1-3/8	1-3/8
	High Pressure	In.	3/4	3/4
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		59	63

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Table 16 —Data Table

MODEL NAME			38VMA408HDS6-1	38VMA432HDS6-1
Power Source		V-Ph-Hz	460-3-60	460-3-60
Nominal Cooling Capacity*1		Btu/h	408,000	432,000
Nominal Heating Capacity*1		Btu/h	446,000	480,000
Temp. range of cooling	Indoor	WB°F	59~75	59~75
	Outdoor	DB°F	5~125	5~125
Temp. range of heating	Indoor	DB°F	54~86	54~86
	Outdoor	WB°F	-5~64	-5~64
Electrical Supply	MCA	A	(33 x 2) + 25	33 x 3
	Recommended Fuse Size	A	(40 x 2) + 30	40 x 3
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x5	INVERTER-driven Scroll Hermetic x6
	Crankcase	W	30 x 10	30 x 12
Fan	Type x Quantity		Propeller Fan x 6	Propeller Fan x 6
	Air flow rate	cfm	8250 + 8830 + 8830	8830 + 8830 + 8830
	Max. External static pressure (ESP)*2		0.24 in. WG	0.24 in. WG
Fan Motor	Type		Brushless DC MOTOR	Brushless DC MOTOR
	Output	W	(270 + 270) + (340 + 300) x 2	(340 + 300) x 3
Heat Exchanger			Inner Groove Copper Tube and Hydrophilic Aluminum fin	Inner Groove Copper Tube and Hydrophilic Aluminum fin
Condenser Coil	Coil Qty.		3	
	Ft^2 (per coil)		30-1/8	
	Rows		2	
	FPI		16	
Refrigerant	Type		R410A	R410A
	Factory charge*3	lbs	37.5 x 3	37.5 x 3
Dimensions		H (in)	64-3/8 × 3	64-3/8 × 3
		W (in)	52-3/4 × 3	52-3/4 × 3
		D (in)	31-7/64 x 3	31-7/64 x 3
Net Weight		lbs	(772 x 2) + 659	772 x 3
Sound pressure level *4		dBA	68.5	69.0
Protective devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.0MPa	High pressure sensor, High pressure switch at 4.0MPa
	Inverter circuit (Comp. / Fan)		Overheat and Overcurrent protection	Overheat and Overcurrent protection
Piping Connections	Low Pressure	In.	1-3/8	1-3/8
	High Pressure	In.	3/4	¾
Indoor unit	Total connected capacity*5		50%-135%	50%-135%
	Quantity (MAX)		64	64

REMARKS:

* 1 Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
  Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
* 2 Factory default is 0 in.wg. Setting is required for 0.08 in.wg, 0.16 in.wg, and 0.24 in.wg.
* 3 Refrigerant must be added on site in accordance with the actual piping length.
* 4 These values are measured in anechoic chamber at a point 3.3 ft. in front and at a height of 4.6 ft. from the base of unit.
* 5 See “Connected Capacity Ratio Restrictions” on page 19.

Connected Capacity Ratio Restrictions

Table 17 —Capacity Ratio Restrictions

MINIMUM COMBINATION RATIO	MAXIMUM COMBINATION RATIO			
	40VMH Only *1 40VMV Only *4	40VMA connected with other IDUs	At least one 40VMH *1 or 40VMV connected	Other indoor unit models
50%	100%	100% *2	130% *3	135%

NOTES:

1. When 40VMH048, 054, 072, 096---3 is installed.
2. When outside air processing units (40VMA) and standard indoor units are connected, the total capacity index of the 40VMA must be limited to 30% or less of the capacity index of the outdoor unit.
3. When the total capacity of 40VMH048, 054, 072, 096---3 exceeds 30%, the combination must not exceed 100%.
4. This rule does not apply to the newest version of the 40VMV(A).

Rating Performance Data

DUCTED INDOOR UNITS

Table 18 —Performance Data - Ducted Indoor Units (230V and 460V)

MODEL	Rating Cooling Capacity	Rating Heating Capacity	EER (Btu/W)	IEER (Btu/W)	COP@47°F
38VMA072HDS5/6-1	69,000	77,000	12.8	23.60	3.85
38VMA096HDS5/6-1	92,000	103,000	11.8	23.00	3.63
38VMA120HDS5/6-1	112,000	120,000	11.2	21.90	3.45
38VMA144HDS5/6-1	136,000	150,000	10.6	19.50	3.35
38VMA168HDS5/6-1	156,000	180,000	12.0	22.00	3.64
38VMA192HDS5/6-1	176,000	206,000	11.6	22.00	3.60
38VMA216HDS5/6-1	196,000	224,000	11.3	21.30	3.54
38VMA240HDS5/6-1	214,000	240,000	11	20.60	3.47
38VMA264HDS5/6-1	246,000	270,000	9.8	19.00	3.20
38VMA288HDS5/6-1	270,000	300,000	9.5	18.00	3.20
38VMA312HDS5/6-1	284,000	320,000	10.6	20.50	3.30
38VMA336HDS5/6-1	304,000	338,000	10.6	19.20	3.25
38VMA360HDS5/6-1	326,000	354,000	10.4	18.00	3.20
38VMA384HDS5/6-1	356,000	384,000	9.5	18.00	3.20
38VMA408HDS5/6-1	380,000	410,000	9.5	17.50	3.20
38VMA432HDS56-1	400,000	420,000	9.5	17.00	3.20

NON-DUCTED INDOOR UNITS

Table 19 —Performance Data - Non-Ducted Indoor Units (230V and 460V)

MODEL	Rating Cooling Capacity	Rating Heating Capacity	EER (Btu/W)	IEER (Btu/W)	COP at 47°F
38VMA072HDS5/6-1	69,000	77,000	14.1	22.50	4.29
38VMA096HDS5/6-1	92,000	103,000	13.2	23.50	3.82
38VMA120HDS5/6-1	112,000	120,000	11.7	22.50	3.60
38VMA144HDS5/6-1	136,000	150,000	10.6	19.50	3.40
38VMA168HDS5/6-1	156,000	180,000	12.5	22.00	3.80
38VMA192HDS5/6-1	176,000	206,000	12.3	21.50	3.75
38VMA216HDS/56-1	196,000	224,000	11.7	20.50	3.62
38VMA240HDS5/6-1	214,000	240,000	10.7	20.00	3.54
38VMA264HDS5/6-1	246,000	270,000	9.7	19.00	3.27
38VMA288HDS5/6-1	270,000	300,000	9.5	18.00	3.20
38VMA312HDS5/6-1	284,000	320,000	11.1	20.00	3.43
38VMA336HDS5/6-1	304,000	338,000	10.7	19.00	3.31
38VMA360HDS5/6-1	326,000	354,000	10.2	17.50	3.20
38VMA384HDS5/6-1	356,000	384,000	9.8	18.00	3.20
38VMA408HDS5/6-1	380,000	410,000	9.5	17.50	3.20
38VMA432HDS5/6-1	400,000	420,000	9.5	17.00	3.20

NOTE: *1 Rated per AHRI (Air-Conditioning, Heating and Refrigeration Institute) 1230 Standard.

Cooling: Indoor 80°F db/67°F wb; Outdoor 95°F db

Heating: Indoor 70°F db; Outdoor 47°F db/43°F wb

Equivalent piping Length: 25 ft.

Level Difference: 0ft

Combination Table

Table 20 —Combination Table - Heat Pump Three-Phase

TONNAGE	HEAT PUMP THREE-PHASE		
COMBO	1	2	3
6	6		
8	8		
10	10		
12	12		
14		8 + 6	
16		8 + 8	
18		10 + 8	
20		10 + 10	
22		12 + 10	
24		12 + 12	
26			10 + 8 + 8
28			10 + 10 + 8
30			10 + 10 + 10
32			12 + 10 + 10
34			12 + 12 + 10
36			12 + 12 + 12

Indoor Unit Offering Table

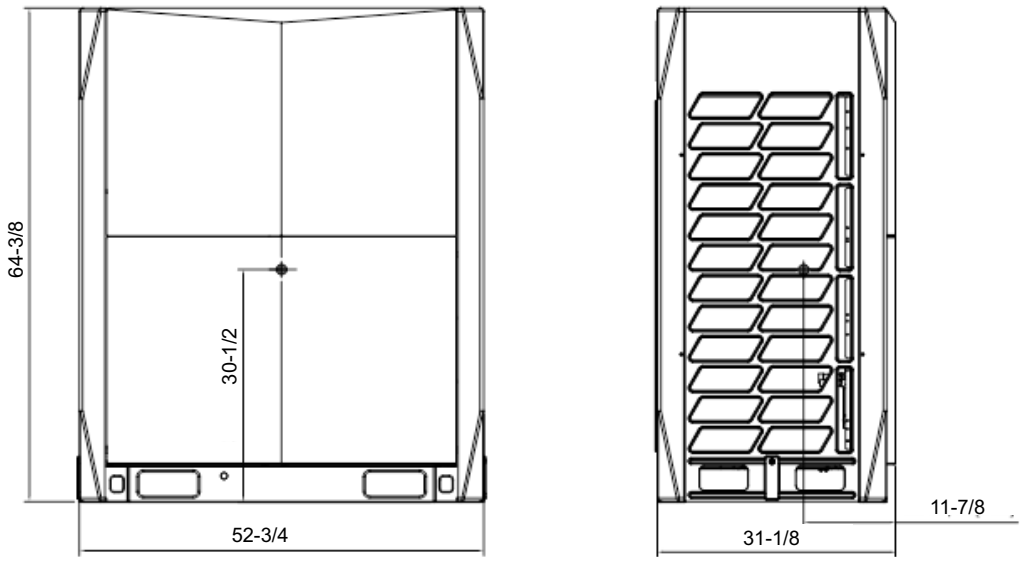
Table 21 —Ducted Models

COOLING CAPACITY Btu/h	1-WAY CASSETTE	LOW STATIC DUCT (SLIM PROFILE)	MEDIUM STATIC DUCT	HIGH STATIC DUCT	VERTICAL AHU	OUTSIDE AIR DUCT
5,000	X					
7,000	X	X	X			
9,000	X	X	X			
12,000	X	X	X		X	
15,000	X	X	X			
18,000	X	X	X		X	
24,000	X	X	X	X	X	
30,000			X	X	X	
36,000			X	X	X	X
48,000			X	X	X	X
53,500				X	X	X
72,000				X		X
96,000				X		X

Table 22 —Non-Ducted Models

COOLING CAPACITY Btu/h	4-WAY CASSETTE	COMPACT 4-WAY CASSETTE	HIGH WALL	UNDERCEILING / FLOOR CONSOLE (EXPOSED)	FLOOR CONSOLE (RECESSED)
5,000		X	X		
7,000		X	X		X
9,000	X	X	X		X
12,000	X	X	X	X	X
15,000	X	X	X	X	X
18,000	X		X	X	X
24,000	X		X	X	X
30,000	X		X	X	
36,000	X			X	
48,000	X			X	
53,500					
72,000					
96,000					

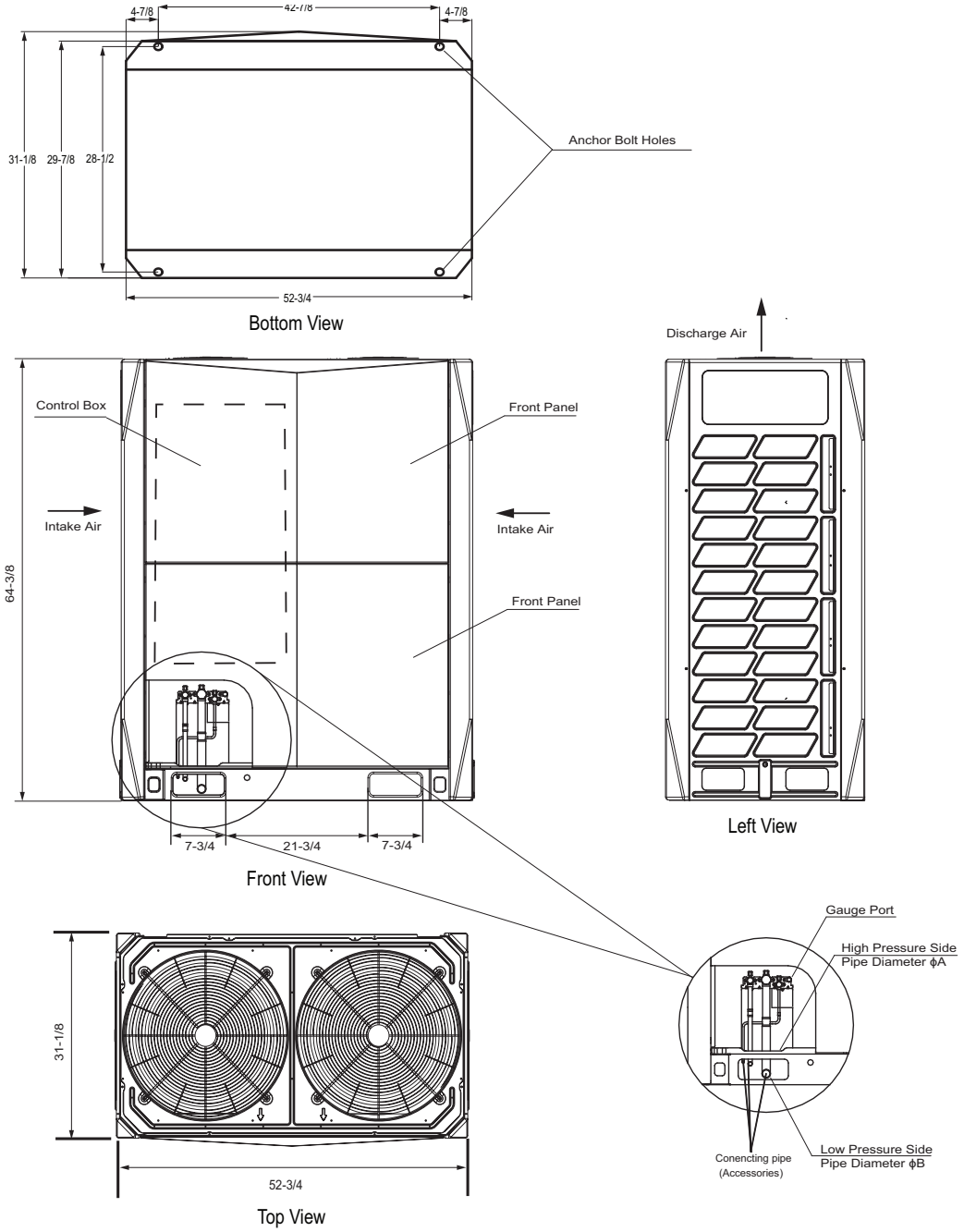
Center of Gravity



NOTE: All dimensions are shown in inches.

Fig. 1 —Center of Gravity

Dimensions



NOTE: All dimensions are shown in inches.

Fig. 2 —38VMA072HDS5/6-1, 38VMA096HDS5/6-1, 38VMA120HDS5/6-1, 38VMA144HDS5/6-1

UNIT	CONNECTING PIPE (DIAMETER IN INCHES)	
	ØA	ØB
072	3/8	7/8
096	3/8	7/8
120	1/2	1-1/8
144	1/2	1-1/8

Refrigerant Circuit Diagrams

Table 23 —Refrigerant Circuit Diagram

SYMBOL	NAME	MAJOR FUNCTION
INV	Inverter compressor	Inverter compressor is operated on frequencies between 20 Hz and 100 Hz
INV1	Inverter compressor	
	Heat Exchanger	Heat Exchanger
FAN A	Left Inverter fan	Fan is operated at 13-step rotation speed by using the inverter.
FAN B	Right Inverter fan	Fan is operated at 13-step rotation speed by using the inverter.
EXV A	Electronic expansion valve	Used to adjust refrigerant volume.
EXV B	Electronic expansion valve	Used to adjust refrigerant volume.
EXV C	Electronic expansion valve	Used to adjust subcooling.
PHE	Plate Heat Exchanger	Used to subcooling liquid refrigerant from the electronic expansion valve.
SV4	Solenoid valve	Used to balance the oil between modules.
SV7	Solenoid valve	This valve opens at a pressure of 3.9 MPa for prevention of pressure increase.
ST1	4-way valve	Used to switch the operation mode between cooling and heating.
H-LY1	High pressure sensor	Used to detect high pressure.
L-LY1	Low pressure sensor	Used to detect low pressure.
H-PRO	High pressure switch	Used to protect system pressure. When system pressure is too high, pressure switch opens. Once pressure switch is open, compressor will stop and restart after 12 minutes.
L-PRO	Low pressure switch	Used to protect the system pressure. When system pressure is too low, pressure switch opens. Once pressure switch is open, compressor will stop and restart after 12 minutes.
	Pressure regulating valve	This valve opens at a pressure of 580 psig for prevention of pressure increase, thus resulting in no damage of functional parts due to the increase of pressure in transportation or storage.
	Oil separator	Used to separate oil from high pressure and high temperature gas refrigerant, which is pumped out from compressor.
	Accumulator	Used to store liquid refrigerant and oil. It can protect compressor from liquid flood back.
T3	Thermistor (outdoor coil deicer)	Used to detect liquid pipe temperature of OD heat exchanger, determine defrosting operation, and others.
T4	Thermistor (Outdoor air)	Used to detect outdoor temperature.
T5	Thermistor (liquid pipe)	Detects temperature of liquid pipe after Plate Heat Exchanger.
T6	Thermistor (Plate Heat Exchanger gas pipe)	Detects temperature of gas pipe on evaporation side of Plate Heat Exchanger. Used to exercise constant control of superheated degree at outlet of Plate Heat Exchanger.
T7	Thermistor (Accumulator outlet)	Used to detect gas pipe temperature at accumulator outlet.
INV Gas	Thermistor (INV discharge pipe)	Used to detect discharge pipe temperature, make temperature protection control of compressor, and others.
INV1 Gas	Thermistor (INV1 discharge pipe)	Used to detect discharge pipe temperature, make temperature protection control of compressor, and others.

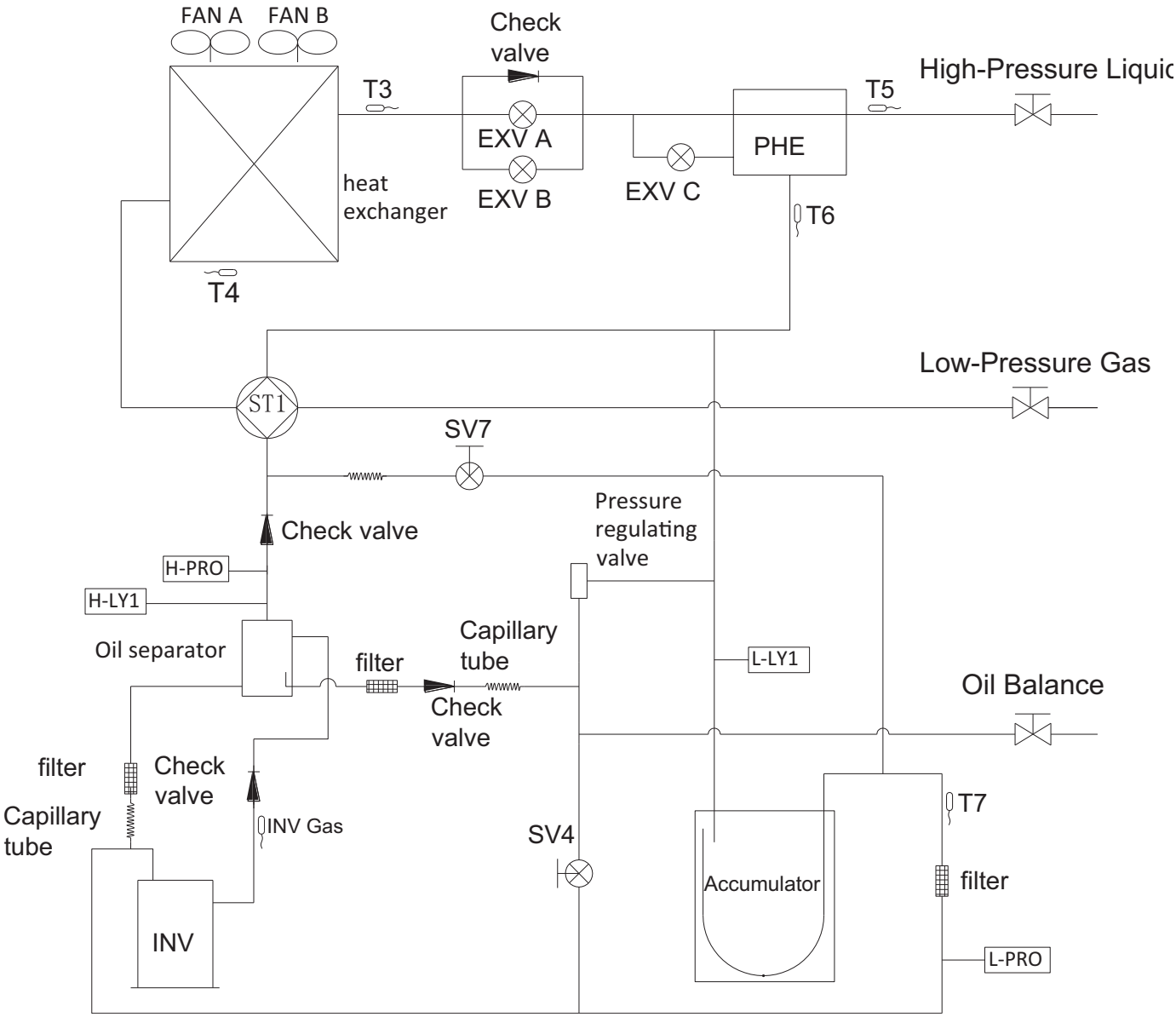


Fig. 3 —Refrigerant Circuit Diagram (38VMA072HDS*–1, 38VMA096HDS*–1, 38VMA120HDS*–1)

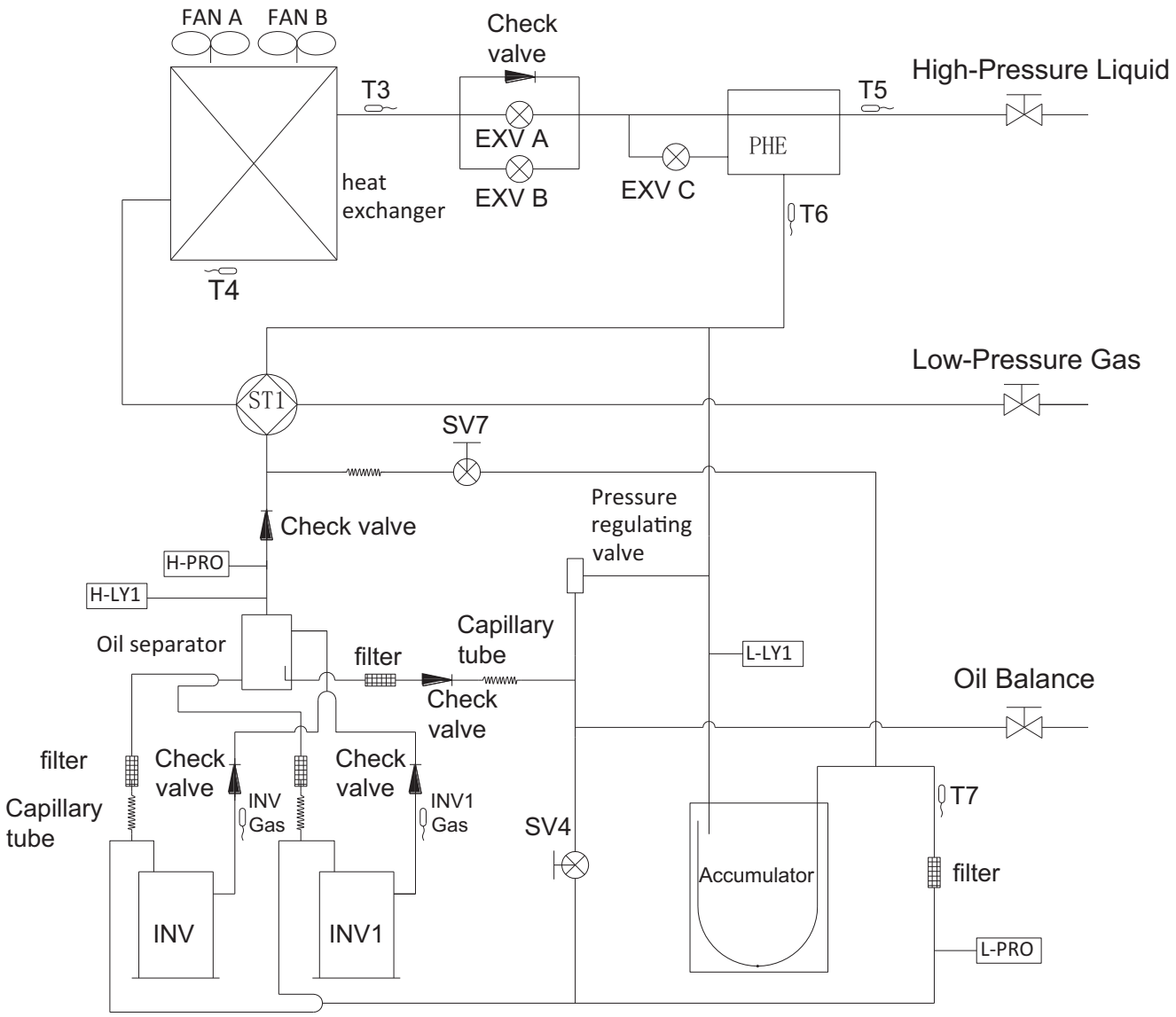
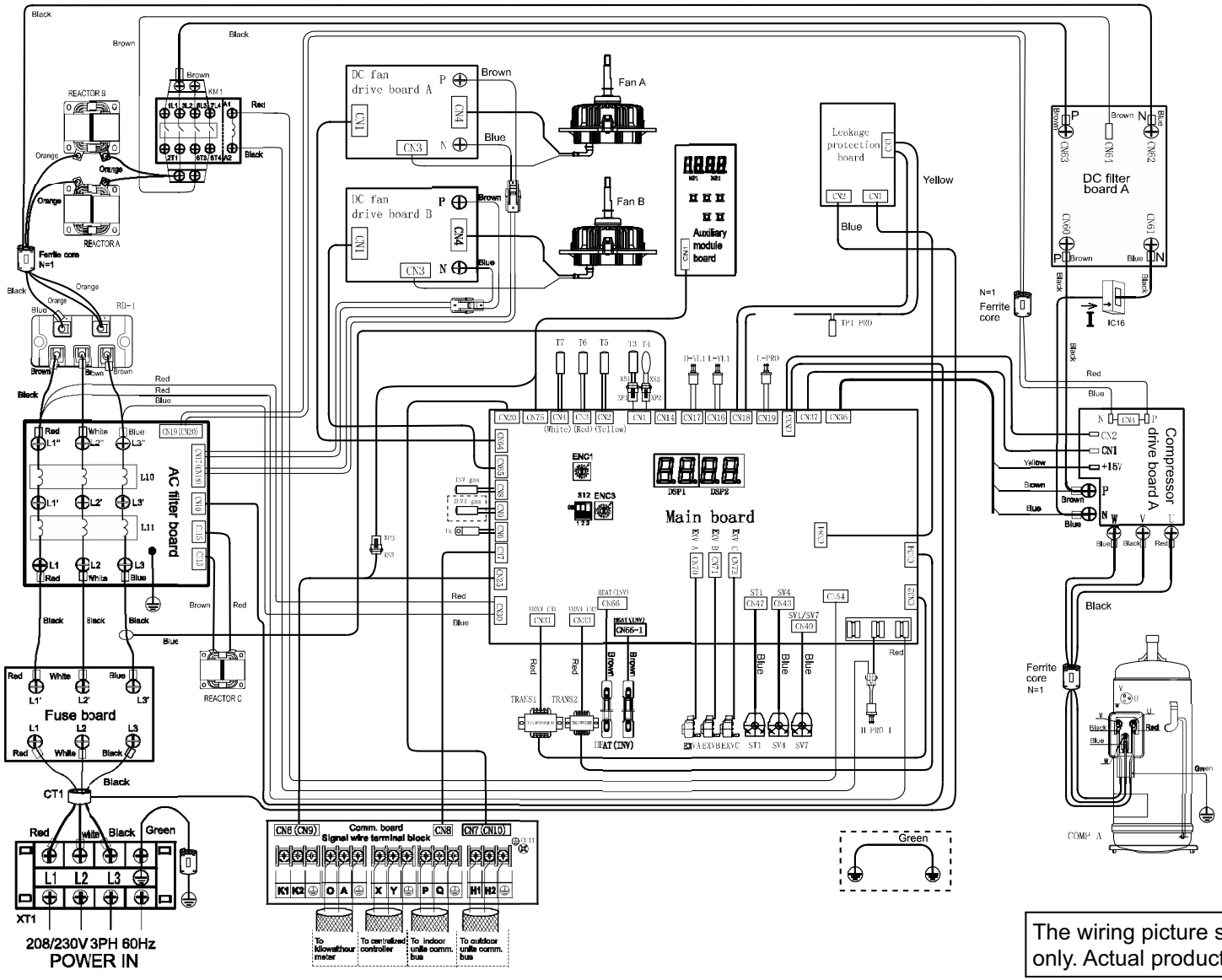


Fig. 4 —Refrigerant Circuit Diagram (38VMA144HDS*–1)

WIRING DIAGRAMS



CODE	NAME
COMP A	Inverter compressor
Fan A/Fan B	DC fan
ST1	4-way valve
XT1	Terminal block
L-PRO	Low pressure ON/OFF switch
H-PRO-1	High pressure ON/OFF switch
TP1-PRO	Discharge temperature ON/OFF switch
EXV A/EXV B EXV C	Electronic expansion valve
XS1-XS4	Plug
XP1-XP4	Jack
T3/T5/T6/T7	Condenser temperature sensor
T4	Outdoor ambient temperature sensor
Ts	Heat sink temperature sensor
INV gas INV1 gas	Discharge temperature sensor
L-YL1	Low pressure sensor
H-YL1	High pressure sensor
Reactor A Reactor B Reactor C	Inductor
CT1/CT2/IC16	Current sensor
TRANS1/TRANS2	Power transformer
BD-1	3-phase bridge rectifier
SV4/SV7	Solenoid valve
HEAT(INV/INV1)	Crankcase heater
KM1	Contactor

The wiring picture shown is for reference only. Actual product may vary.

Fig. 5 —Wiring Diagram (38VMA072HDS5-1, 38VMA096HDS5-1, 38VMA120HDS5-1)

WIRING DIAGRAM (Cont.)

CODE	NAME
COMP A COMP B	Inverter compressor
Fan A/Fan B	DC fan
ST1	4-way valve
Contactor A Contactor B	Contactor
XT1-XT5	Terminal block
L-PRO	Low pressure ON/OFF switch
H-PRO-1 H-PRO-2	High pressure ON/OFF switch
TP1-PRO TP2-PRO	Discharge temperature ON/OFF switch
EXV A/EXV B EXV C	Electronic expansion valve
XS1-XS6	Plug
XP1-XP6	Jack
T3/T5/T6/T7	Condenser temperature sensor
T4	Outdoor ambient temperature sensor
Ts	Heat sink temperature sensor
INV gas INV1 gas	Discharge temperature sensor
L-YL1	Low pressure sensor
H-YL1	High pressure sensor
Reactor A Reactor B	Inductor
CT1-CT3 IC16-IC17	Current sensor
TRANS1/TRANS2	Power transformer
BD-1/BD-2	3-phase bridge rectifier
SV4/SV7	Solenoid valve
HEAT(INV/INV1)	Crankcase heater

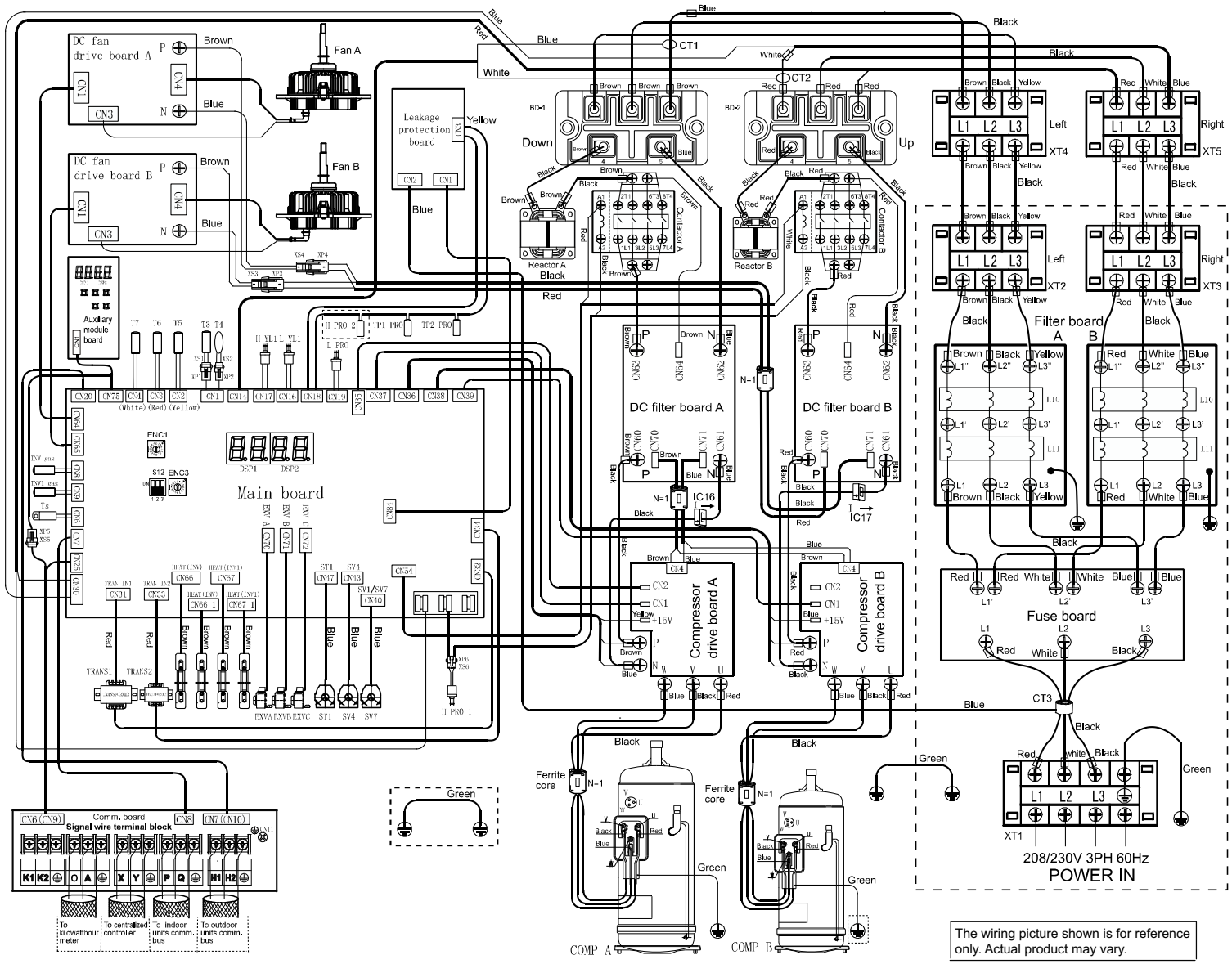
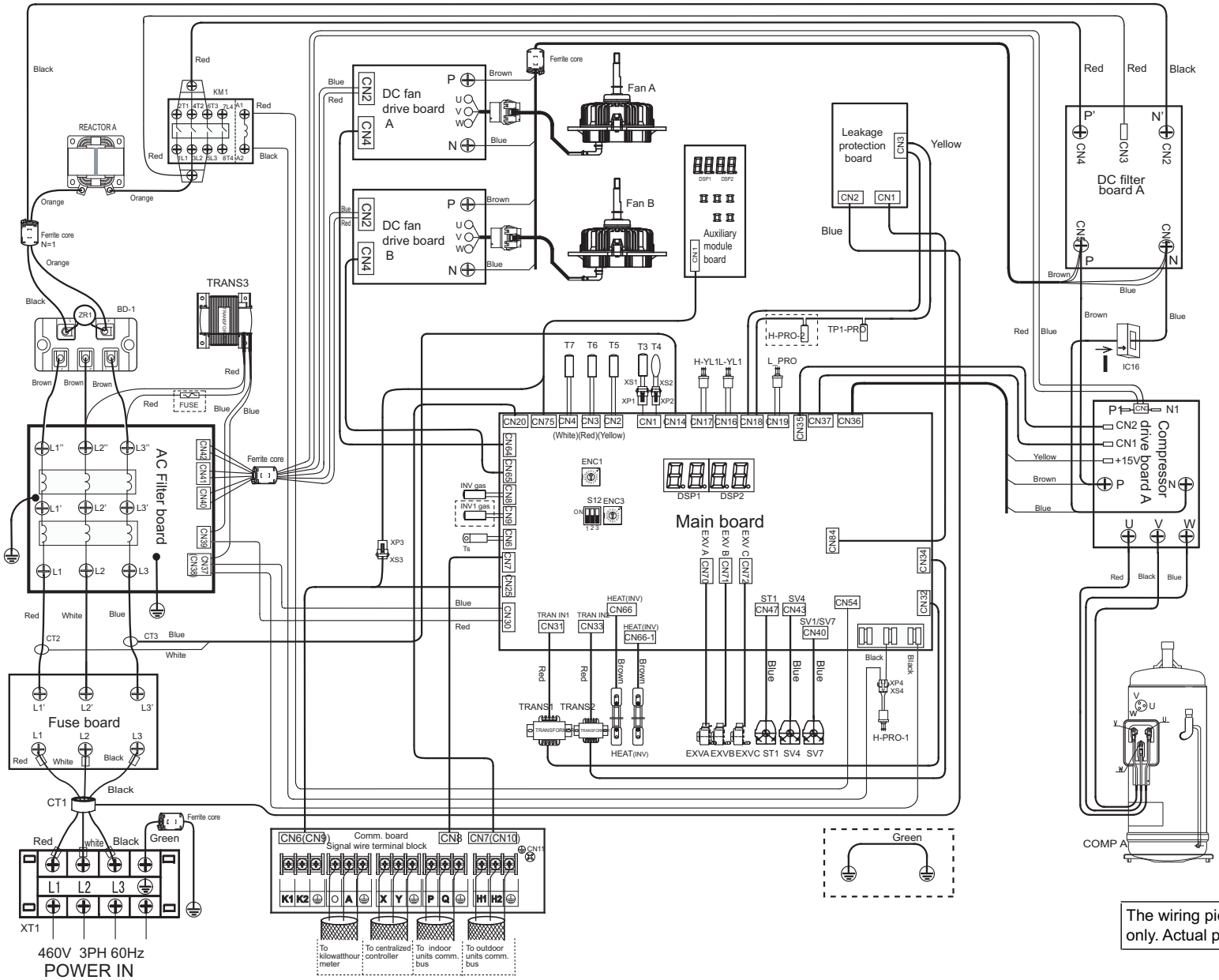


Fig. 6 —Wiring Diagram (38VMA144HDS5-1)

WIRING DIAGRAM (Cont.)



CODE	NAME
COMP A	Inverter compressor
Fan A/Fan B	DC fan
ST1	4-way valve
XT1	Terminal block
L-PRO	Low pressure ON/OFF switch
H-PRO-1 H-PRO-2	High pressure ON/OFF switch
TP1-PRO	Discharge temperature ON/OFF switch
EXV A/EXV B EXV C	Electronic expansion valve
XS1-XS4	Plug
XP1-XP4	Jack
T3/T5/T6/T7	Condenser temperature sensor
T4	Outdoor ambient temperature sensor
Ts	Heat sink temperature sensor
INV gas INV1 gas	Discharge temperature sensor
L-YL1	Low pressure sensor
H-YL1	High pressure sensor
Reactor A	Inductor
CT1-CT3/IC16	Current sensor
TRANS1-TRANS3	Power transformer
BD-1	3-phase bridge rectifier
SV4/SV7	Solenoid valve
HEAT(INV/INV1)	Crankcase heater
KM1	Contactor
ZR1	Varistor

The wiring picture shown is for reference only. Actual product may vary.

Fig. 7 —Wiring Diagram (38VMA072HDS6-1, 38VMA096HDS6-1, 38VMA120HDS6-1)

WIRING DIAGRAM (CONT.)

CODE	NAME
COMP A COMP B	Inverter compressor
Fan A/Fan B	DC fan
ST1	4-way valve
Contactor A Contactor B	Contactor
XT1-XT5	Terminal block
L-PRO	Low pressure ON/OFF switch
H-PRO-1 H-PRO-2	High pressure ON/OFF switch
TP1-PRO TP2-PRO	Discharge temperature ON/OFF switch
EXV A/EXV B EXV C	Electronic expansion valve
XS1-XS6	Plug
XP1-XP6	Jack
T3/T5/T6/T7	Condenser temperature sensor
T4	Outdoor ambient temperature sensor
Ts	Heat sink temperature sensor
INV gas INV1 gas	Discharge temperature sensor
L-YL1	Low pressure sensor
H-YL1	High pressure sensor
Reactor A Reactor B	Inductor
CT1-CT3 IC16-17	Current sensor
TRANS1-TRANS3	Power transformer
BD-1/BD-2	3-phase bridge rectifier
ZR1,ZR2	Voltage Dependent Resistor
SV4/SV7	Solenoid valve
HEAT(INV,INV1)	Crankcase heater

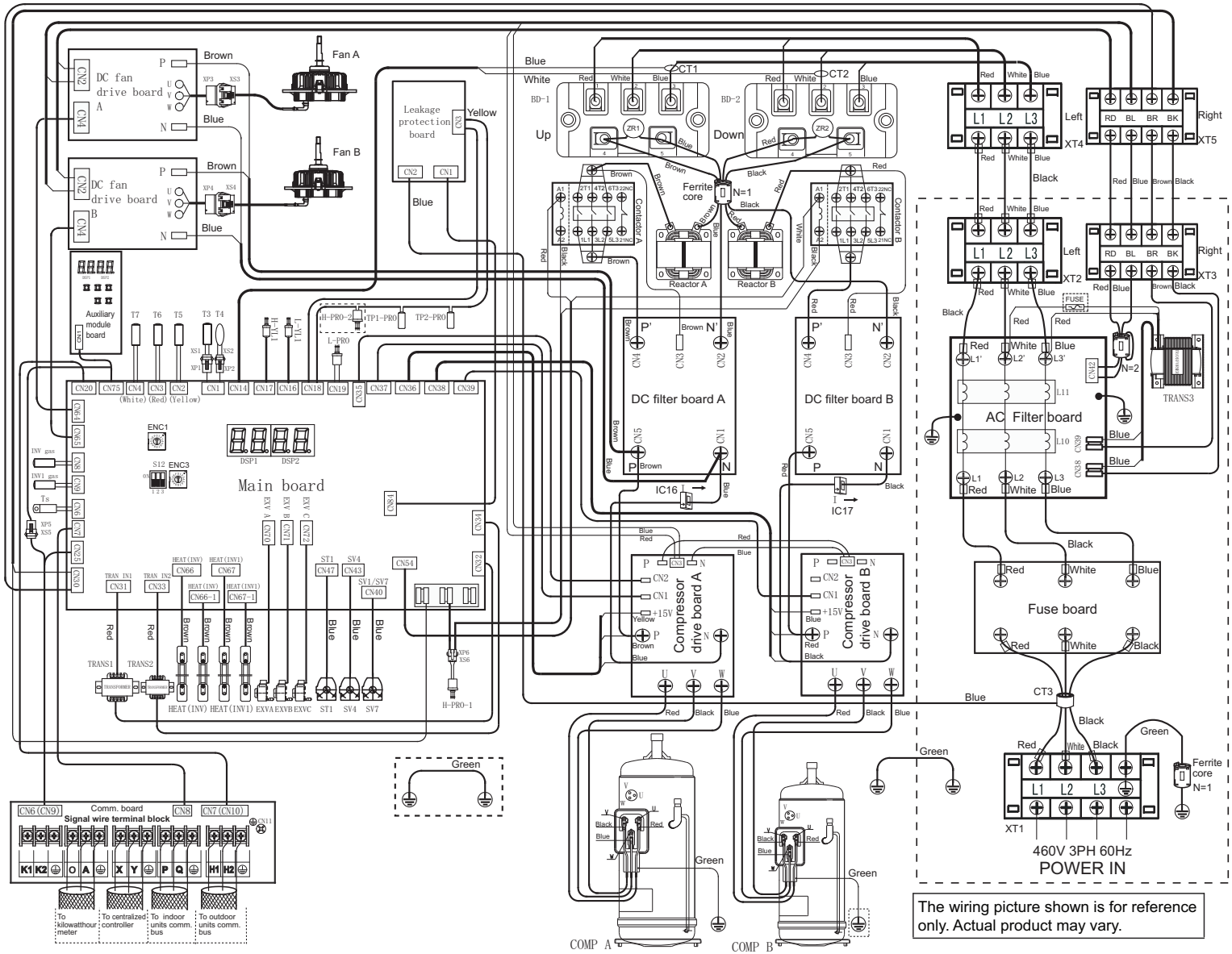


Fig. 8 —Wiring Diagram (38VMA144HDS6-1)

FIELD WIRING

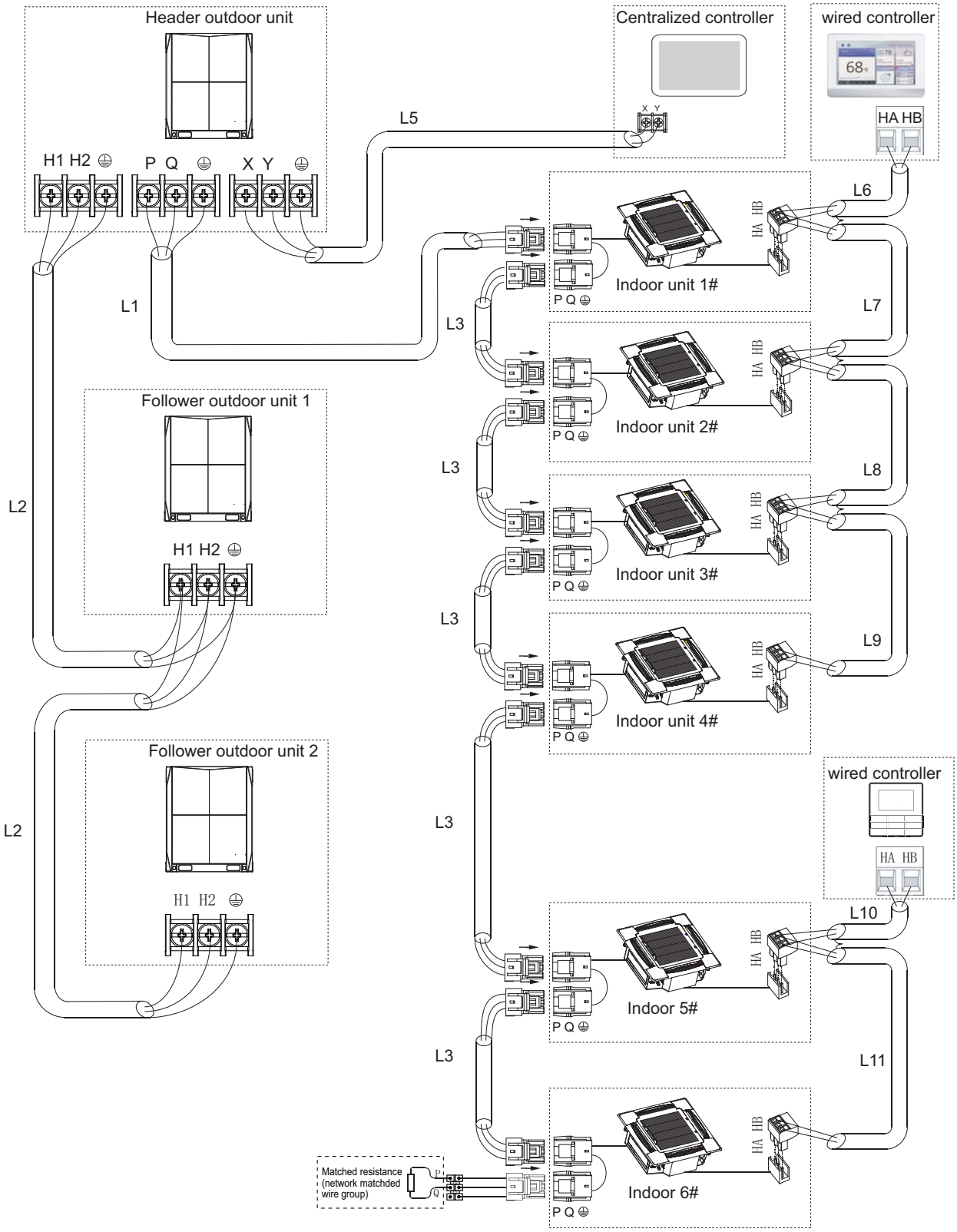


Fig. 9 —Field Wiring

MAXIMUM WIRING LENGTH:
L1 + L3 ≤ 3937 ft 18 AWG, 2-Core Stranded Shield
L5 ≤ 3937 ft 18 AWG, 2-Core Stranded Shield
L6 + L7 + L8 + L9 ≤ 820 ft 18 AWG, 2-Core Stranded Shield
L10 + L11 ≤ 820 ft 18 AWG, 2-Core Stranded Shield

NOTE: Network resistor is shipped with the outdoor unit for field installation on heat pump systems.

ELECTRICAL CHARACTERISTICS

Wiring Main Power Cables

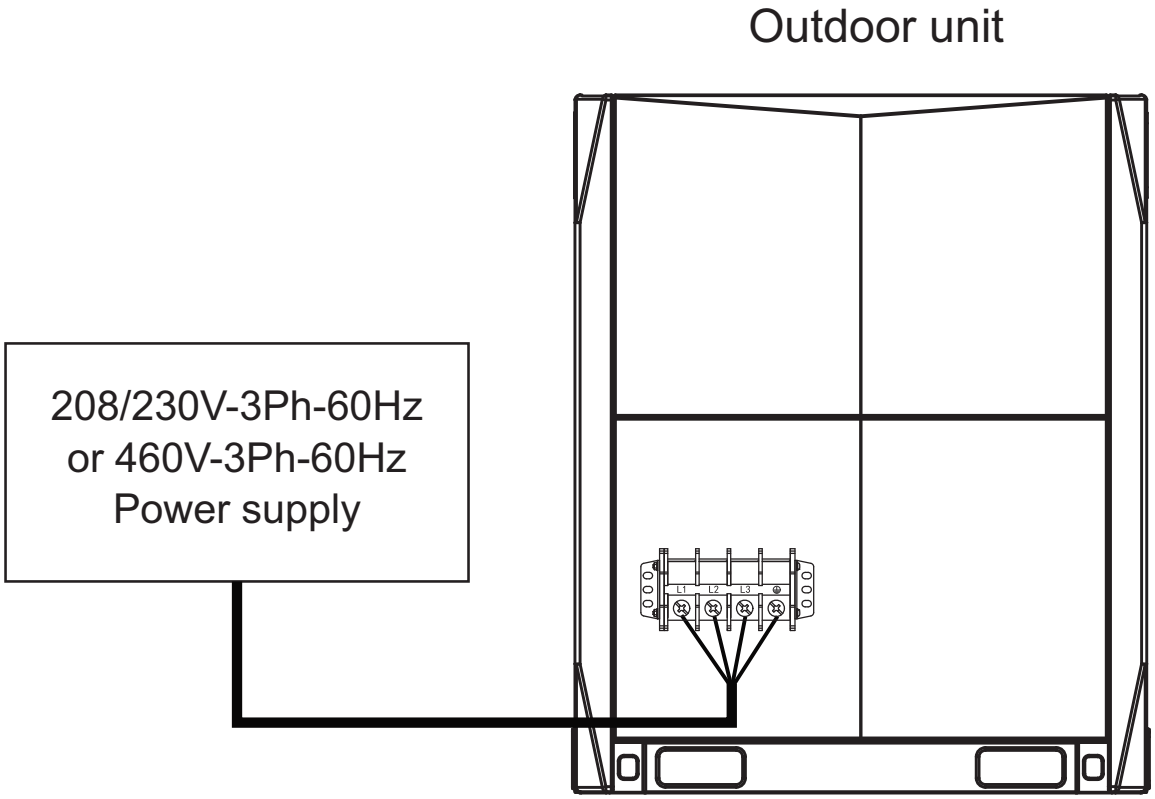


Fig. 10 —Outdoor Unit Schematic of Main Power Wiring

Table 24 —Electrical Characteristics

SUPPLY VOLTAGE POWER (V-Ph-Hz)	UNIT SIZE	POWER SUPPLY	
		MCA	RECOMMENDED FUSE SIZE
208/230-3-60	072	45	50
	096	46	50
	120	46	50
	144	70	80
460-3-60	072	22	30
	096	25	30
	120	25	30
	144	33	40

POWER WIRING — Installation of wiring must conform with local codes and with NEC ANSI/NFPA 70, current editions. Units must be electrically grounded in conformance with the code. In Canada, wiring must comply with CSA C22.1, Electrical Code.

⚠ WARNING

Electrical shock can cause personal injury and death. Disconnect power supply before making wiring connections. There may be more than one disconnect switch. Tag all disconnect locations to alert others not to restore power until work is completed.

⚠ WARNING

All units must be wired strictly in accordance with the wiring diagram furnished with the unit. Any wiring different from the wiring diagram could result in personal injury and property damage.

⚠ CAUTION

Any original factory wiring that requires replacement must be replaced with wiring material having a temperature rating of at least 221°F.

Ensure supply voltage to the unit is not more than 10% over the rated voltage or 10% under the rated voltage. This is indicated on the serial plate.

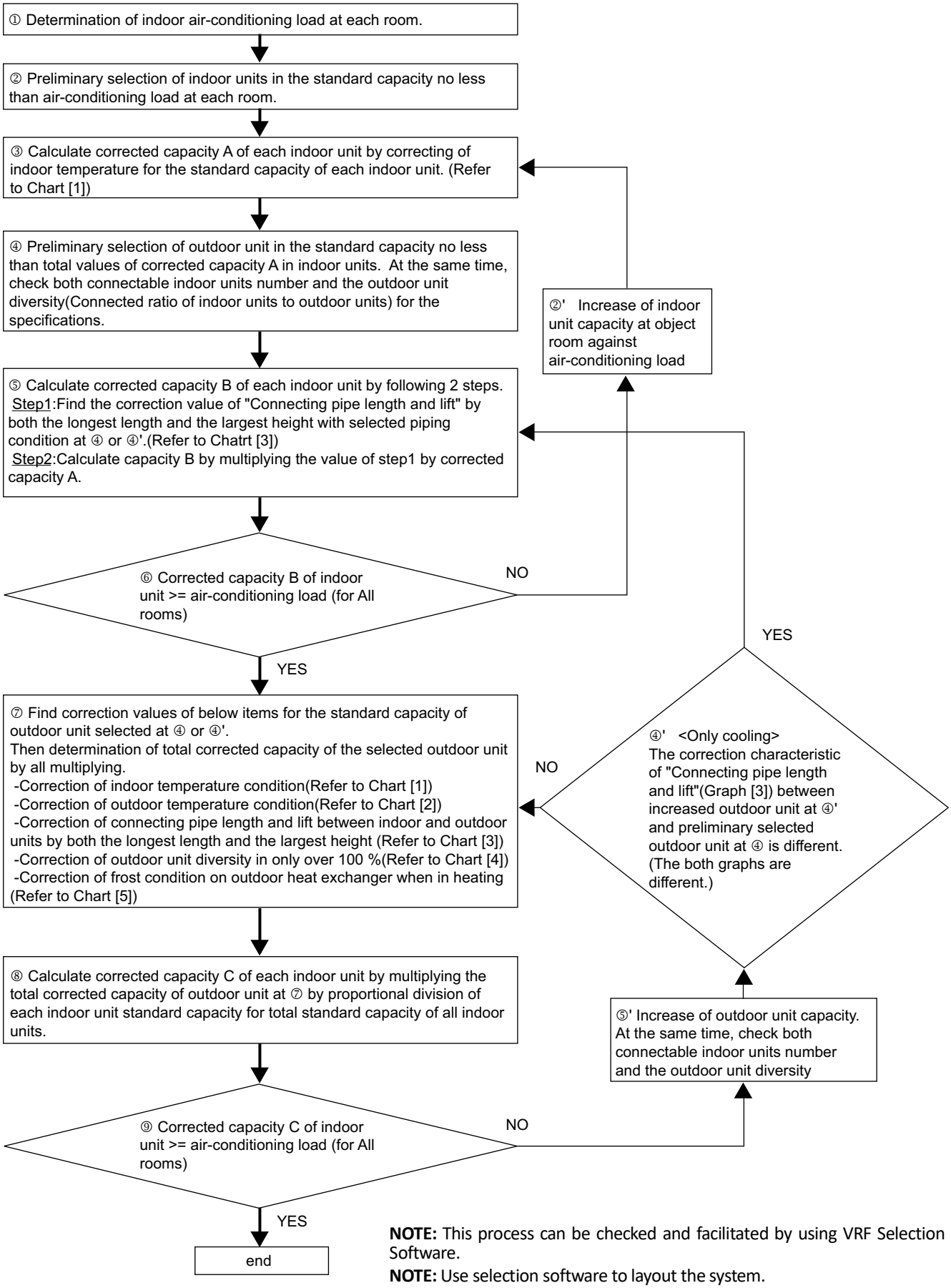
Failure to follow these recommendations may result in equipment damage.

SAFETY DEVICES

Table 25 —Safety Devices

SAFETY DEVICES	MODEL	38VMA072H DS5-1	38VMA096H DS5-1	38VMA120H DS5-1	38VMA144H DS5-1	38VMA072H DS6-1	38VMA096H DS6-1	38VMA120H DS6-1	38VMA144H DS6-1
Printed circuit fuse	Fuse board	250V 50A	250V 50A	250V 50A	250V 63A	500V 40A	500V 40A	500V 40A	500V 40A
	Main board	250V 8A							
	AC Filter board	250V 10A	250V 10A	250V 10A	/	250V 1A	250V 1A	250V 1A	250V 1A
High pressure switch		OFF: 4.0±0.1 MPa ON: 3.0±0.1MPa							
Low pressure switch		OFF:0.05±0.05 MPa ON: 0.15±05MPa							

EQUIPMENT SELECTION



NOTE: This process can be checked and facilitated by using VRF Selection Software.

NOTE: Use selection software to layout the system.

Connected Capacity Ratio

Table 26 —Indoor Unit Combination Total Capacity Index

OUTDOOR UNIT TON (kBtu/h)	INDOOR UNIT COMBINATION RATIO (kBtu/h)								
	135%	120%	110%	100%	90%	80%	70%	60%	50%
6 (72)	97.2	86.4	79.2	72.0	64.8	57.6	50.4	43.2	36.0
8 (96)	129.6	115.2	105.6	96.0	86.4	76.8	67.2	57.6	48.0
10 (120)	162.0	144.0	132.0	120.0	108.0	96.0	84.0	72.0	60.0
12 (144)	194.4	172.8	158.4	144.0	129.6	115.2	100.8	86.4	72.0

Table 27 —Indoor Unit Capacity Index

UNIT SIZE	MODEL 005	MODEL 007	MODEL 009	MODEL 012	MODEL 015	MODEL 018	MODEL 024
Capacity Index (kBtu/h)	5	7	9	12	15	18	24
UNIT SIZE	**MODEL 030**	**MODEL 036**	**MODEL 048**	**MODEL 054**	**MODEL 072**	**MODEL 096**	
Capacity Index (kBtu/h)	30	36	48	54	72	96	

Corrections for Piping Length and Height

This determines the capacity correction values for the length and high difference of refrigerant pipe.

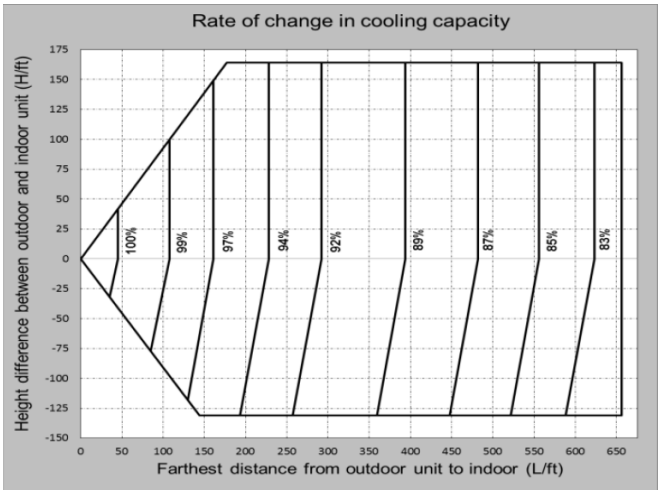


Fig. 11 —Cooling Correction Factors

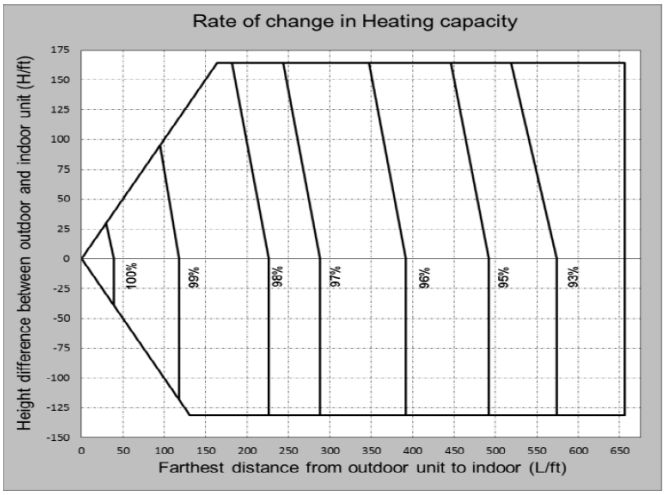


Fig. 12 —Heating Correction Factors

L: Refrigerant pipe equivalent length.
H: Height difference between outdoor and indoor unit.
Positive data means the outdoor unit is above the indoor unit.
Negative data means the outdoor unit is below the indoor unit.

Corrections for Heating Defrost Cycles

The heating capacity tables do not take account of the reduction in capacity when frost has accumulated or while the defrosting operation is in progress.

The capacity values that take these factors into account (the integrated heating capacity values), can be calculated as follows:

FORMULA

A = B x C

Where:

A = Integrated heating capacity

B = Value given in heating capacity tables

C = Integrating correction factor for frost accumulation

Table 28 —Correction factor for finding integrated heating capacity (C)

OUTDOOR AIR TEMP. (WB-°C / RH 85%)		6	4	2	1	0	-2	-4	-6	-8	-10	-20
OUTDOOR AIR TEMP. (WB-°F/ RH 85%)		43	39	36	34	32	28	25	21	18	14	-4
Integrating correction factor for frost accumulation	6 Ton	1.00	0.98	0.87	0.86	0.85	0.89	0.92	0.94	0.95	0.95	0.95
	8 Ton	1.00	0.95	0.86	0.84	0.84	0.88	0.91	0.93	0.95	0.95	0.95
	10 Ton	1.00	0.92	0.84	0.82	0.83	0.86	0.90	0.90	0.92	0.95	0.95
	12 Ton	1.00	0.96	0.86	0.85	0.85	0.91	0.91	0.92	0.93	0.95	0.95
	14 Ton	1.00	0.95	0.86	0.84	0.84	0.88	0.91	0.93	0.95	0.95	0.95
	16 Ton	1.00	0.95	0.86	0.84	0.84	0.88	0.91	0.93	0.95	0.95	0.95
	18 Ton	1.00	0.92	0.84	0.82	0.83	0.86	0.90	0.90	0.92	0.95	0.95
	20 Ton	1.00	0.92	0.84	0.82	0.83	0.86	0.90	0.90	0.92	0.95	0.95
	22 Ton	1.00	0.92	0.84	0.82	0.83	0.86	0.90	0.90	0.92	0.95	0.95
	24 Ton	1.00	0.96	0.86	0.85	0.85	0.91	0.91	0.92	0.93	0.95	0.95
	26 Ton	1.00	0.92	0.84	0.82	0.83	0.86	0.90	0.90	0.92	0.95	0.95
	28 Ton	1.00	0.92	0.84	0.82	0.83	0.86	0.90	0.90	0.92	0.95	0.95
	30 Ton	1.00	0.92	0.84	0.82	0.83	0.86	0.90	0.90	0.92	0.95	0.95
	32 Ton	1.00	0.92	0.84	0.82	0.83	0.86	0.90	0.90	0.92	0.95	0.95
	34 Ton	1.00	0.92	0.84	0.82	0.83	0.86	0.90	0.90	0.92	0.95	0.95
	36 Ton	1.00	0.96	0.86	0.85	0.85	0.91	0.91	0.92	0.93	0.95	0.95

Temperature Operation Limits

38VMA072~144HDS5-1 (6-1)

NOTES:

The following figures assume these operating conditions:

- Equivalent piping length = 295-1/4in. (7.5m)
- Level difference = 0

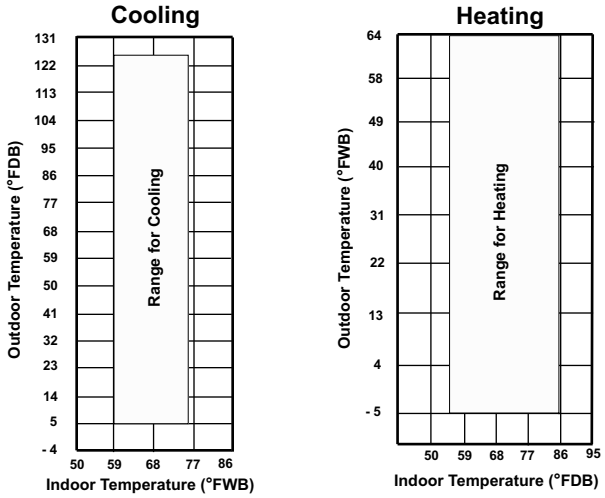
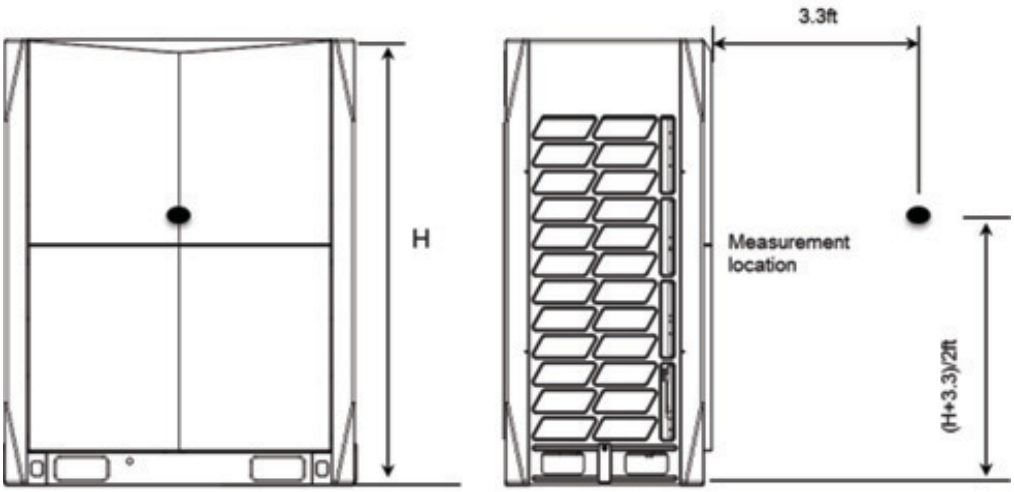


Fig. 13 —Temperature Operation Limits (38VMA072~144HDS5-1 (6-1))

SOUND DATA

Sound Pressure Levels



NC Curves

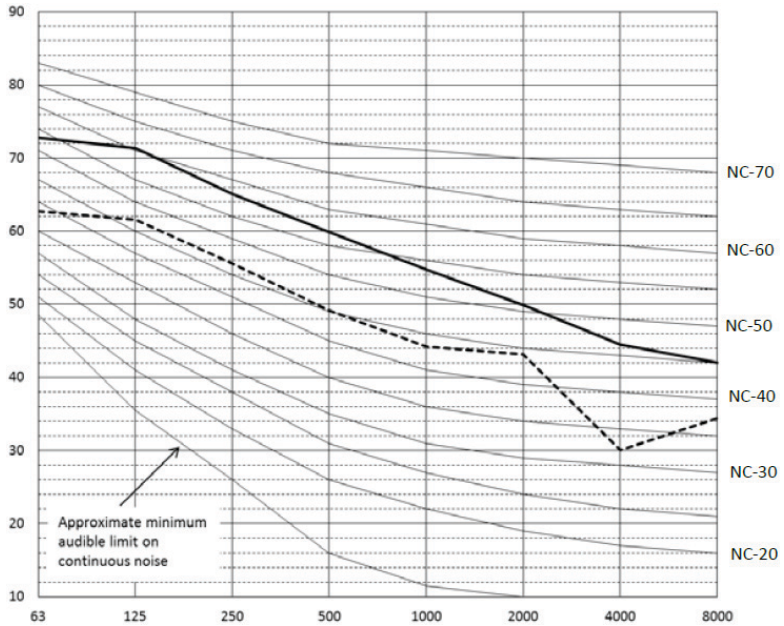


Fig. 14 —Sound Levels - 38*72HDS5-1**

Table 29 —Sound Levels - 38*72HDS5-1**

38VMA072HDS5-1		63	125	250	500	1000	2000	4000	8000	dB(A)
Standard	60Hz	72.8	71.3	65.1	59.9	54.8	49.9	44.5	42.1	62.5
Silent mode	60Hz	62.7	61.6	55.6	49.1	44.2	43.1	30.1	34.4	52.5

NOTE: When Silent mode is set, the unit's capacity is limited. The unit automatically exits Silent mode if high side pressure exceeds 522 psi. The unit automatically returns to Silent mode once high side pressure falls below 479 psi.

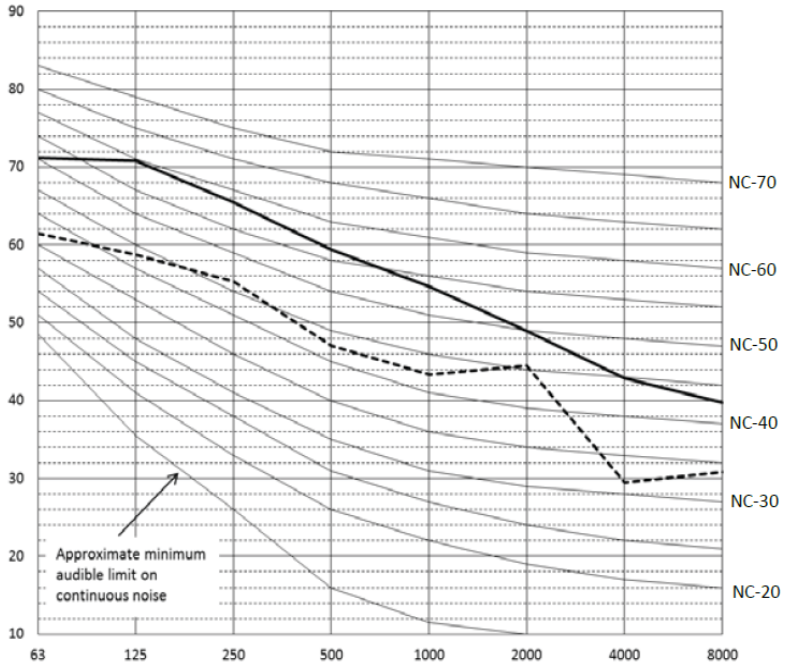


Fig. 15 —Sound Levels - 38*72HDS6-1**

Table 30 —Sound Levels - 38*72HDS6-1**

38VMA072HDS6-1		63	125	250	500	1000	2000	4000	8000	dB(A)
Standard	60Hz	71.2	70.8	65.5	59.4	54.7	49.0	42.9	39.7	62.5
Silent mode	60Hz	61.5	58.7	55.3	47.0	43.4	44.5	29.5	30.8	51.3

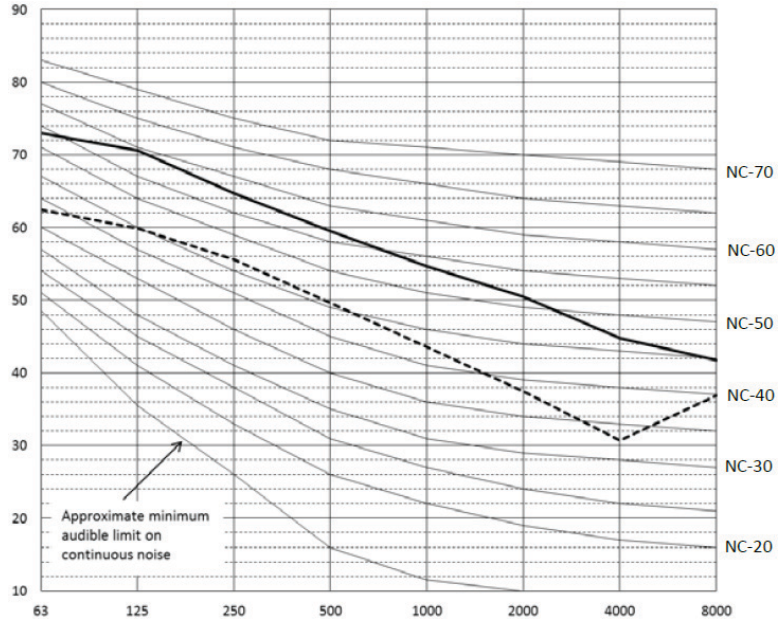


Fig. 16 —Sound Levels - 38*96HDS5-1**

Table 31 —Sound Levels - 38*96HDS5-1**

38VMA096HDS5-1		63	125	250	500	1000	2000	4000	8000	dB(A)
Standard	60Hz	73.0	70.6	64.7	59.5	54.6	50.4	44.8	41.8	63.0
Silent mode	60Hz	62.5	59.9	55.6	49.6	43.5	37.5	30.7	36.9	51.5

NOTE: When Silent mode is set, the unit's capacity is limited. The unit automatically exits Silent mode if high side pressure exceeds 522 psi. The unit automatically returns to Silent mode once high side pressure falls below 479 psi.

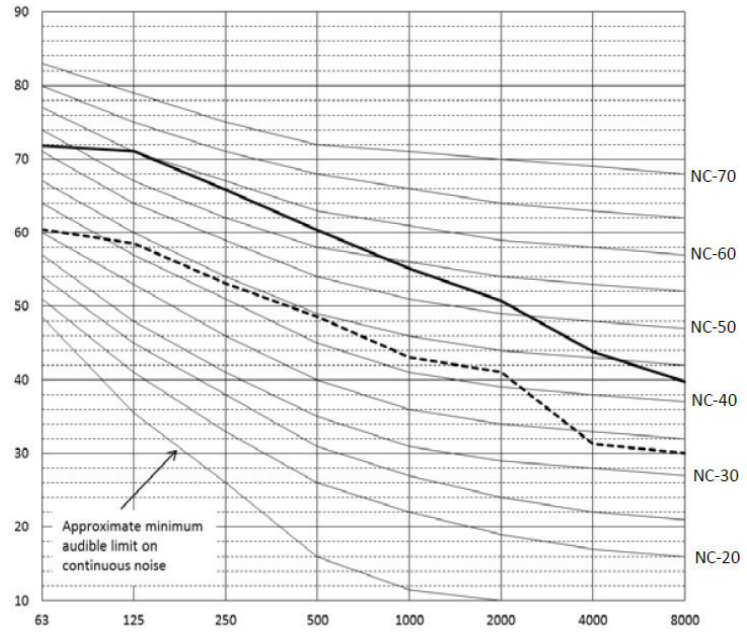


Fig. 17 —Sound Levels - 38*96HDS6-1**

Table 32 —Sound Levels - 38*96HDS6-1**

38VMA096HDS6-1		63	125	250	500	1000	2000	4000	8000	dB(A)
Standard	60Hz	71.8	71.1	65.9	60.3	55.2	50.8	43.9	39.8	63.0
Silent mode	60Hz	60.4	58.5	53.1	48.6	43.1	41.1	31.3	30.0	50.2

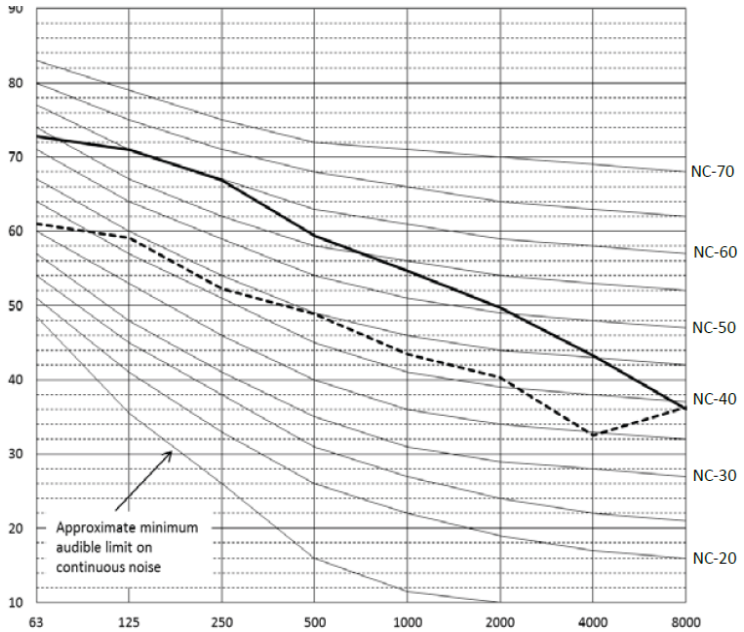


Fig. 18 —Sound Levels - 38*120HDS5-1**

Table 33 —Sound Levels - 38*120HDS5-1**

38VMA120HDS5-1		63	125	250	500	1000	2000	4000	8000	dB(A)
Standard	60Hz	72.8	71.0	66.9	59.4	54.7	49.7	43.2	36.0	63.0
Silent mode	60Hz	61.0	59.1	52.3	48.8	43.4	40.3	32.6	36.3	50.5

NOTE: When Silent mode is set, the unit's capacity is limited. The unit automatically exits Silent mode if high side pressure exceeds 522 psi. The unit automatically returns to Silent mode once high side pressure falls below 479 psi.

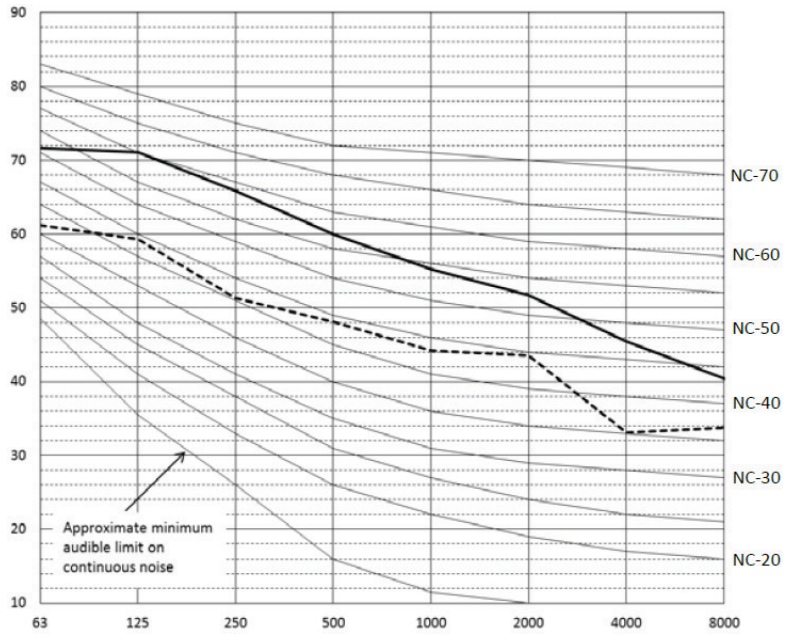


Fig. 19 —Sound Levels - 38*120HDS6-1**

Table 34 —Sound Levels - 38*120HDS6-1**

38VMA120HDS6-1		63	125	250	500	1000	2000	4000	8000	dB(A)
Standard	60Hz	71.7	71.0	65.9	59.9	55.2	51.7	45.5	40.4	63.0
Silent mode	60Hz	61.2	59.3	51.3	48.1	44.2	43.5	33.1	33.8	51.1

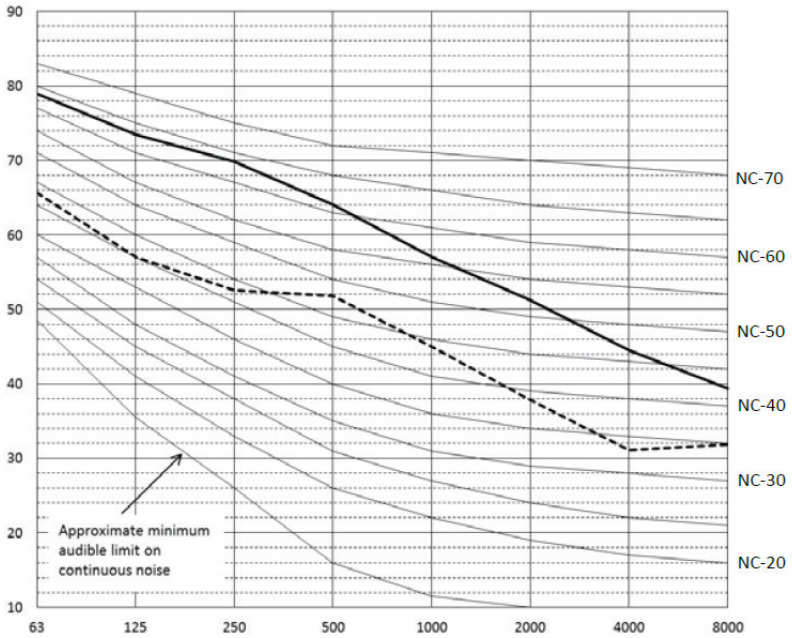


Fig. 20 —Sound Levels - 38*144HDS5-1**

Table 35 —Sound Levels - 38*144HDS5-1**

38VMA144HDS5-1		63	125	250	500	1000	2000	4000	8000	dB(A)
Standard	60Hz	79.0	73.5	69.9	64.1	57.0	51.2	44.5	39.4	65.5
Silent mode	60Hz	65.7	57.0	52.5	51.8	44.9	37.8	31.1	31.9	51.9

NOTE: When Silent mode is set, the unit's capacity is limited. The unit automatically exits Silent mode if high side pressure exceeds 522 psi. The unit automatically returns to Silent mode once high side pressure falls below 479 psi.

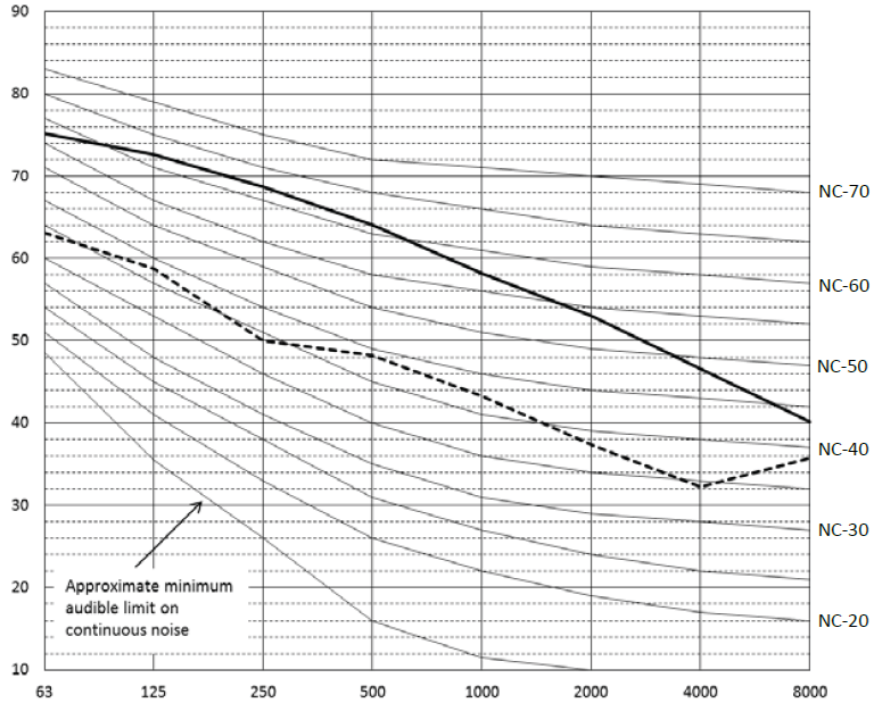


Fig. 21 —Sound Levels - 38*144HDS6-1**

Table 36 —Sound Levels - 38*144HDS6-1**

38VMA144HDS6-1		63	125	250	500	1000	2000	4000	8000	dB(A)
Standard	60Hz	75.2	72.6	68.7	64.1	58.2	53.1	46.6	40.1	65.5
Silent mode	60Hz	63.1	58.8	50.0	48.1	43.2	37.3	32.3	35.8	50

NOTE: When Silent mode is set, the unit's capacity is limited. The unit automatically exits Silent mode if high side pressure exceeds 522 psi. The unit automatically returns to Silent mode once high side pressure falls below 479 psi.

REFRIGERANT PIPING DESIGN

NOTE: For calculation purposes, assume equivalent pipe length of the branching pipe header to be 1.6 ft (0.5 m).

Piping scheme

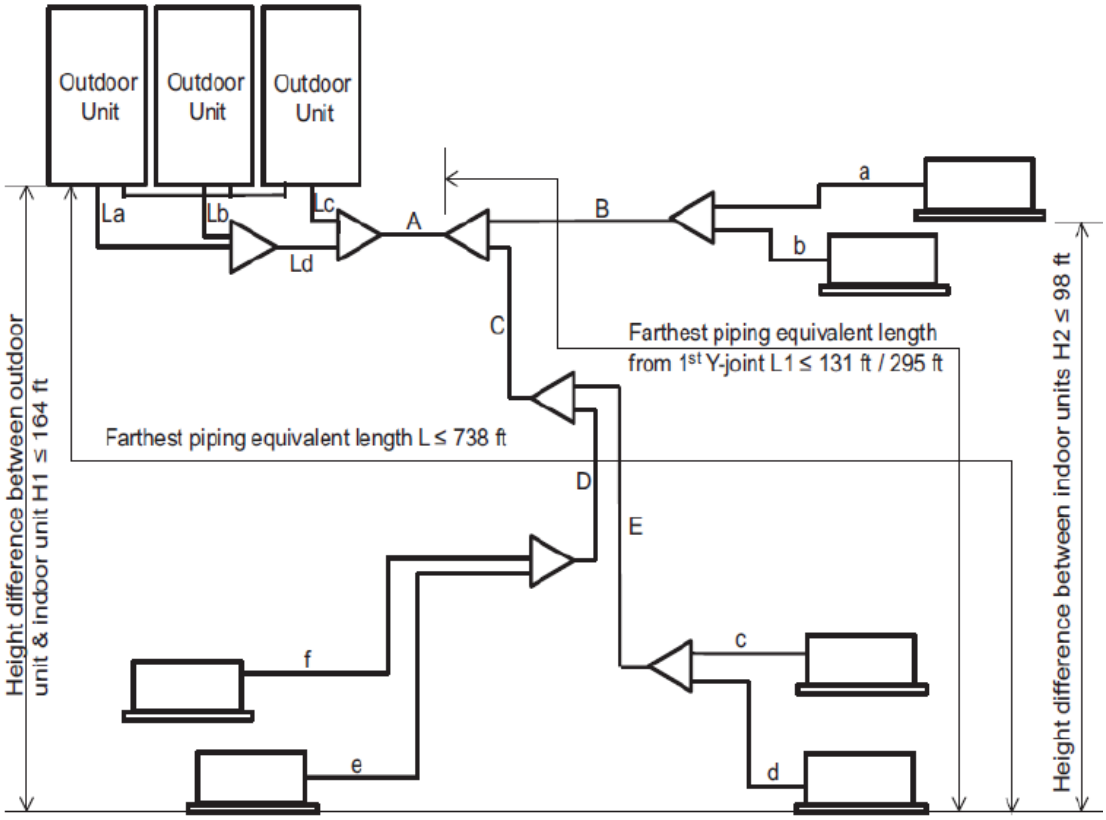


Fig. 22 —Piping Lengths and Drop Heights

Table 37 —Permitted Pipe Lengths and Drop Heights

DESCRIPTION			ALLOWABLE VALUE (ft)	PIPES
Piping Length	Total Extension of Pipe (Liquid Pipe)	Actual Length	3280	La + Lb + Lc + Ld + A + (B + C + D + E) x 2 + a + b + c + e + f
	Distance Between Outdoor Units	Actual Length	13	La, Lb, Lc, and Ld
	Furthest Piping Length L	Equivalent Length	≤ 738	La + Ld + A + C + E + d
		Actual Length	≤ 656	
	Furthest Equivalent Piping Length From the First Y-Joint L1		≤ 131 / 295	C + E + d
Height Difference	Height Between Outdoor and Indoor Unit H1	Outdoor Unit Above	164	---
		Outdoor Unit Below	131	---
	Height Between Indoor Units H2		98	---

Table 38 —Extending Pipe Diameters

CONDITION	PIPES TO INCREASE	INCREASED PIPE SIZE
If distance from the first Y-joint to the last Y-joint (pipes C+E+d) is ≥ 131 ft or ≤ 295 ft	B,C,D,E	Ø3/8 in. → Ø1/2 in. Ø1/2 in. → Ø5/8 in. Ø5/8 in. → Ø3/4 in. Ø3/4 in. → Ø7/8 in. Ø7/8 in. → Ø1-1/8 in. Ø1-1/8 in. → Ø1-3/8 in. Ø1-3/8 in. → Ø1-5/8 in.

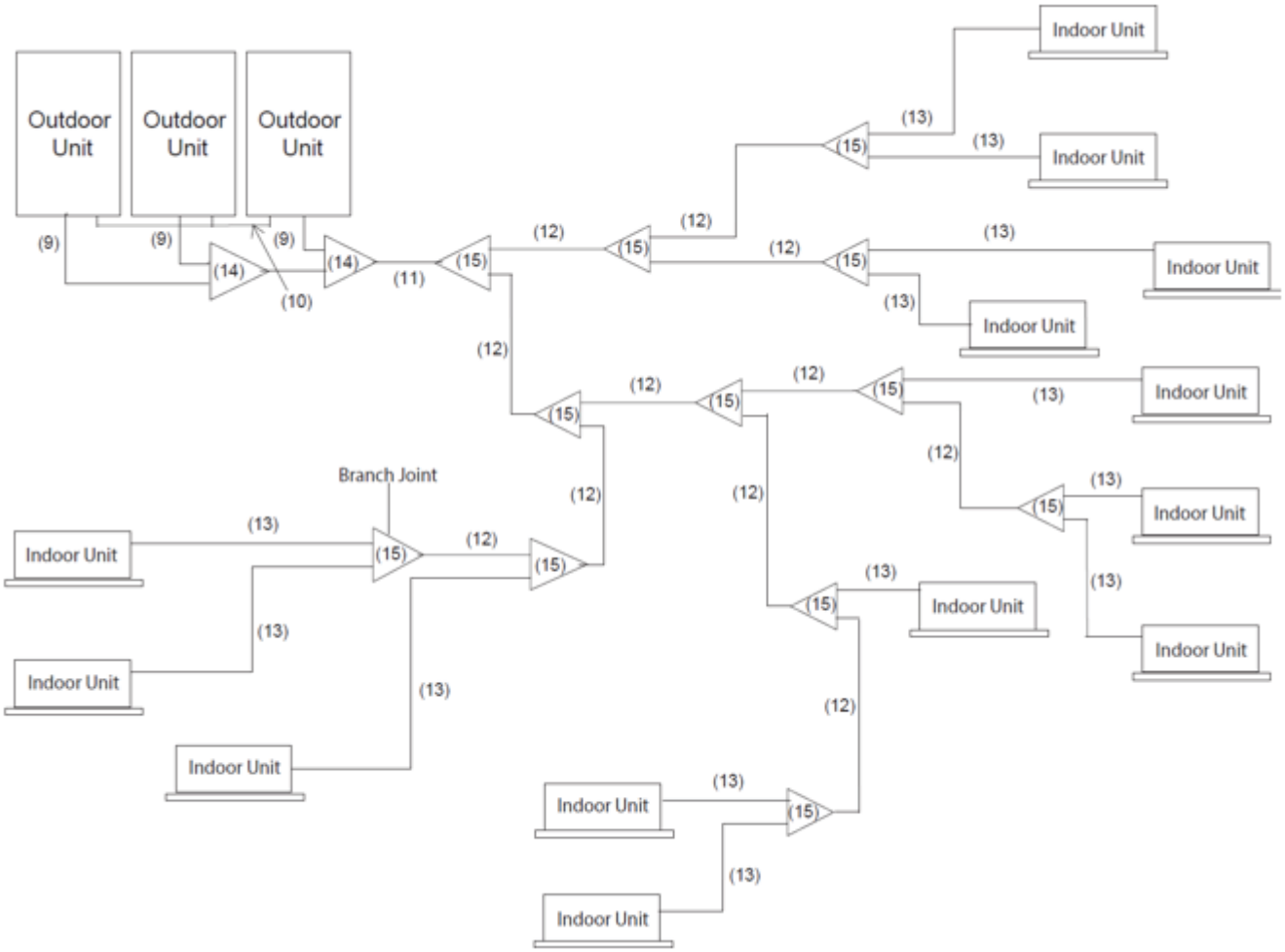


Fig. 23 —Typical Refrigerant Piping Layout

LEGEND:
9—See Table 39 - Outdoor Unit Connecting Piping
10—See Table 40 - Oil Balancing Pipe Between Outdoor Unit
11—See Table 41 - Main Pipe Selection
12—See Table 42 - Branch Piping for Indoor Units
13—See Table 43 - Indoor Unit Connection Pipe
14—See Table 44 - Outdoor Unit Connection Pipe
15—See Table 45 - Branch Joints

Table 39 — Outdoor Unit Connecting Pipe

38VMH UNIT SIZE	GAS SIDE (in.)	LIQUID SIDE (in.)
072	7/8	1/2
096	7/8	1/2
120	1-1/8	5/8
144	1-1/8	5/8

Table 40 — Oil Balancing Pipe Between Outdoor Unit

OUTDOOR UNIT CAPACITY (kBtu/h)	BALANCING PIPE (in.)
168 and above	1/4

Table 41 — Main Pipe Selection

OUTDOOR UNIT CAPACITY (kBtu/h)	SIZE OF THE MAIN PIPE WHEN THE EQUIVALENT LENGTH OF LIQUID PIPE IS < 295 FT			SIZE OF THE MAIN PIPE WHEN THE EQUIVALENT LENGTH OF LIQUID PIPE IS > 295 FT		
	GAS SIDE (IN)	LIQUID SIDE (IN)	FIRST BRANCH JOINT	GAS SIDE (IN)	LIQUID SIDE (IN)	FIRST BRANCH JOINT
72	7/8	3/8	40VM900032	7/8	1/2	40VM900032
96	7/8	3/8	40VM900032	1-1/8	1/2	40VM900033
120~144	1-1/8	1/2	40VM900033	1-1/8	5/8	40VM900033
168~240	1-1/8	5/8	40VM900033	1-3/8	3/4	40VM900034
264~312	1-3/8	3/4	40VM900033	1-3/8	7/8	40VM900034
336~432	1-3/8	3/4	40VM900034	1-5/8	7/8	40VM900035

Table 42 —Branch Piping for Indoor Units

TOTAL CAPACITY CODE OF INDOOR UNIT AT DOWNSTREAM SIDE (kBtu/h)	INDOOR UNIT MAIN PIPE	
	GAS SIDE (IN)	LIQUID SIDE (IN)
Below 56	5/8	3/8
56 to 78	3/4	3/8
78 to 112	7/8	3/8
112 to 156	1-1/8	1/2
156 to 224	1-1/8	5/8
224 to 314	1-3/8	3/4
314 to 460	1-5/8	3/4
460 and above	1-5/8	7/8

Table 43 — Indoor Unit Connection Pipe

INDOOR UNIT CAPACITY (kBtu/h)	PIPING LENGTH			
	≤ 33 ft		> 33 ft	
	GAS SIDE (IN)	LIQUID SIDE (IN)	GAS SIDE (IN)	LIQUID SIDE (IN)
7 to 18	1/2	1/4	5/8	3/8
24 to 54	5/8	3/8	3/4	1/2
72	3/4	3/8	7/8	1/2
96	7/8	3/8	1-1/8	1/2

Table 44 — Outdoor Unit Connection Pipe

OUTDOOR UNIT CAPACITY (kBtu/h)	BRANCH JOINT
168 - 288	40VM900021
312 - 432	40VM900022

Table 45 — Branch Joints

TOTAL CAPACITY CODE OF INDOOR UNIT AT DOWNSTREAM SIDE (kBtu/h)	BRANCH JOINT
Below 56	40VM900031
56 to 78	40VM900031
78 to 112	40VM900032
112 to 156	40VM900033
156 to 224	40VM900033
224 to 314	40VM900034
314 to 460	40VM900035
460 and above	40VM900035

Table 46 — 4 Port Branch Header

TOTAL CAPACITY CODE OF INDOOR UNIT AT DOWNSTREAM SIDE (kBtu/h)	BRANCH JOINT
Below 78	40VM900025

NOTE: Maximum capacity for each port is 24k.

Table 47 — Branch Joints

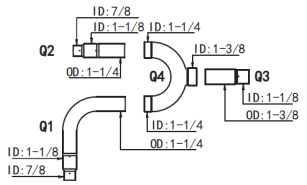
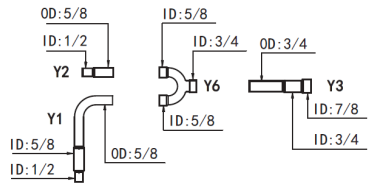
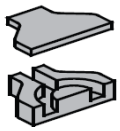
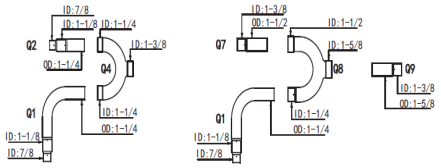
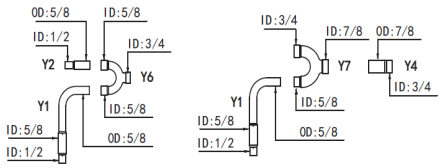
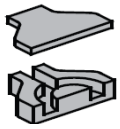
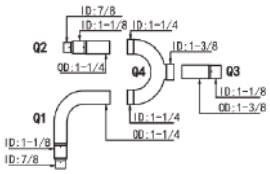
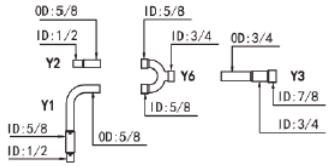
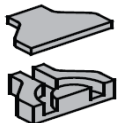
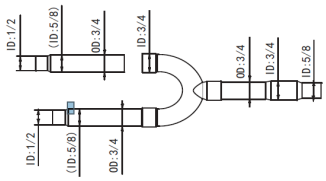
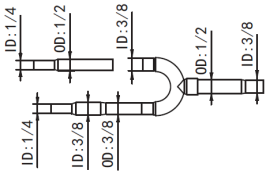
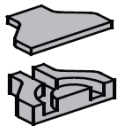
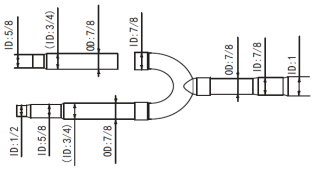
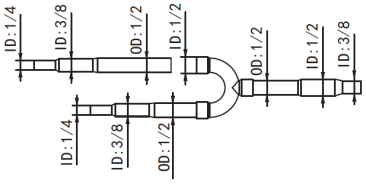
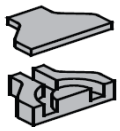
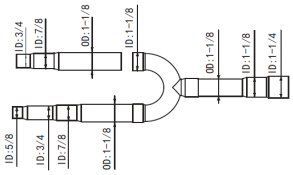
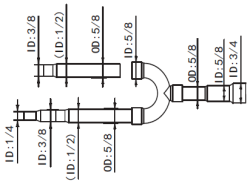
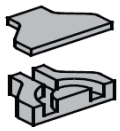
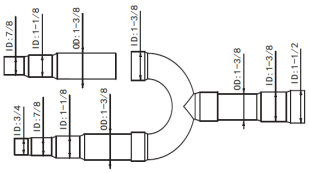
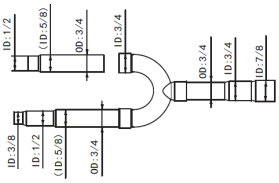
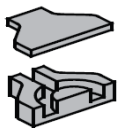
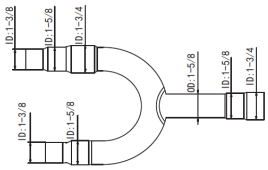
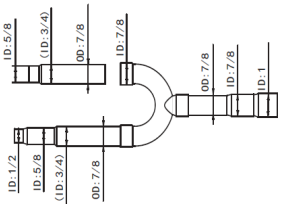
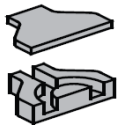
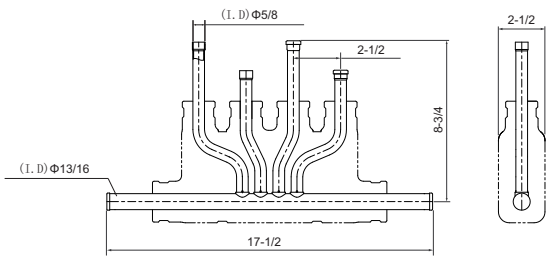
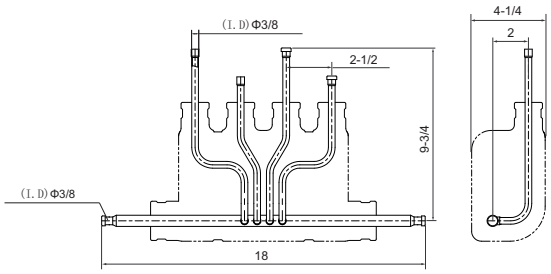
PART NUMBER	LOW-PRESSURE GAS SIDE JOINT (IN)	LIQUID SIDE JOINTS (IN)	HEAT INSULATION
40VM900021			 (2 SETS)
40VM900022			 (4 SETS)
40VM900025			 (2 SETS)
40VM900031			 (2 SETS)
40VM900032			 (2 SETS)
40VM900033			 (2 SETS)
40VM900034			 (2 SETS)
40VM900035			 (2 SETS)

Table 48 — 4 Point Branch Header

Part Number	Low Pressure Gas Side Joint	Liquid Side Joint
40VM900025		

Unit Branch

Refer to Table 47 - Branch Joints

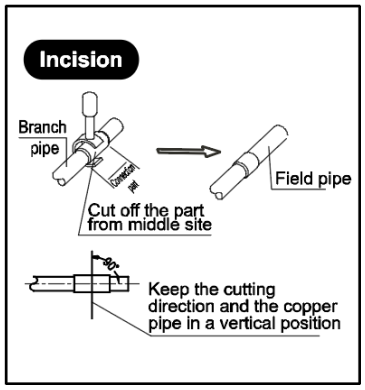


Fig. 24 —Incision

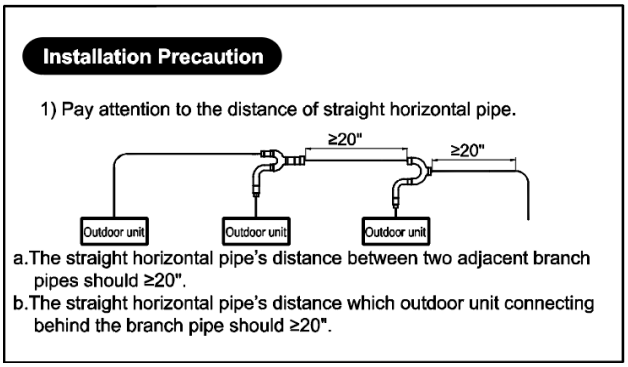


Fig. 26 —Installation Precautions

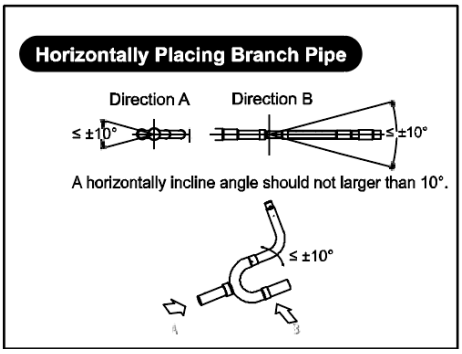


Fig. 25 —Horizontally Placing Branch Pipe

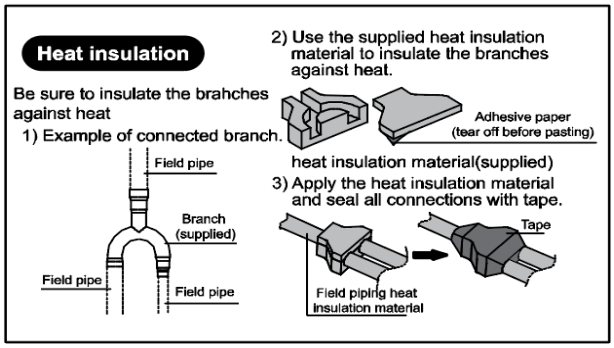


Fig. 27 —Heat Insulation (ODU)

Appearance and Connection Sketch

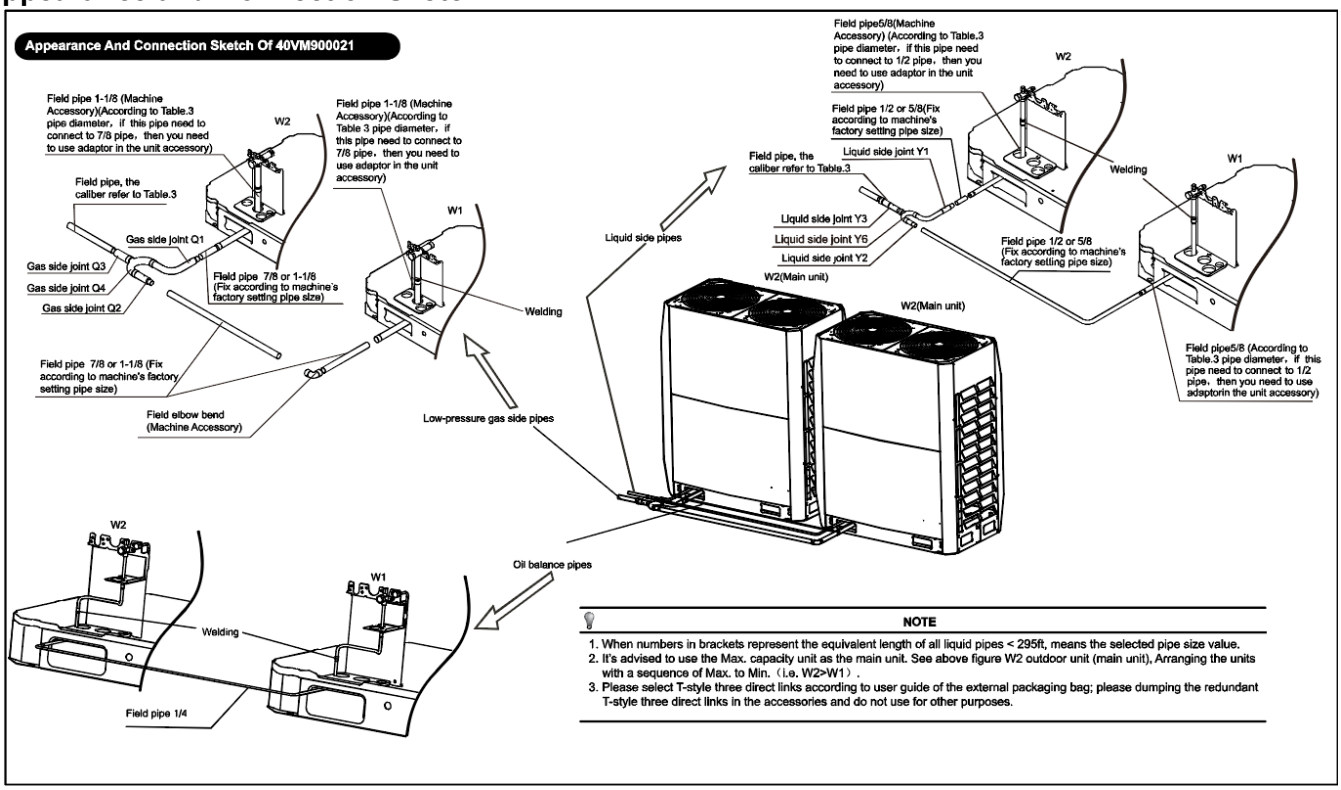


Fig. 28 —Appearance and Connection Sketch of 40VM900021

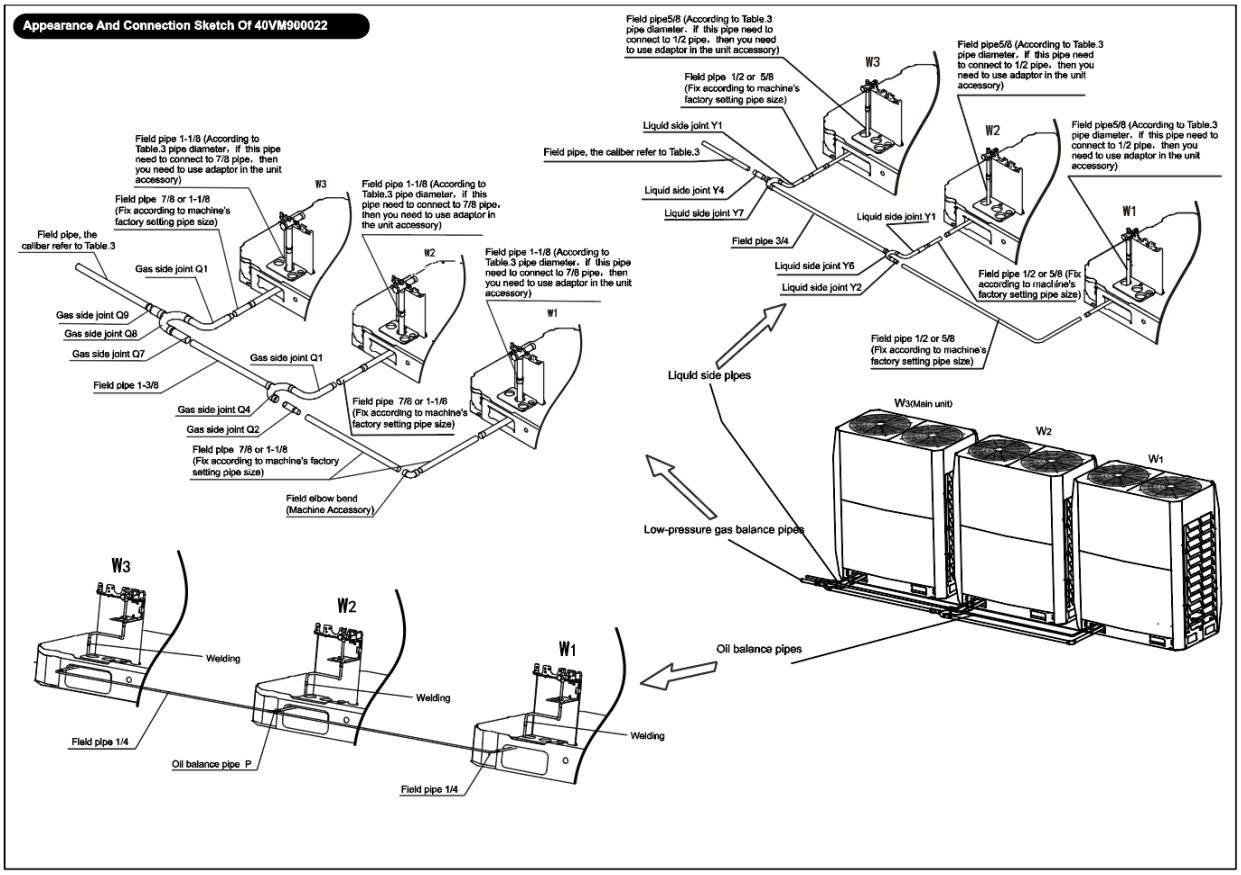


Fig. 29 —Appearance and Connection Sketch of 40VM900022

Refrigerant Charge Calculation

1. Calculate the amount of refrigerant to add using Table 49 and Fig. 30. The refrigerant is R-410A. Assume equivalent pipe length of the branch joint to be 1.6 ft (for calculation purposes).

Table 49 —Refrigerant to Add Using Liquid Pipe Size

PIPE SIZE ON LIQUID SIDE (IN)	REFRIGERANT TO BE ADDED PER FOOT (LB/FT)
1/4	0.015
3/8	0.040
1/2	0.080
5/8	0.120
3/4	0.181
7/8	0.255

R: Refrigerant amount to be added (lb)

$$R = \left[\begin{array}{l} \left(\begin{array}{c}\text{Total length (ft)}\\ \text{of liquid piping}\\ \text{size at ø 7/8 in.}\end{array}\right) \times 0.255 + \left(\begin{array}{c}\text{Total length (ft)}\\ \text{of liquid piping}\\ \text{size at ø 3/4 in.}\end{array}\right) \times 0.181 + \\ \left(\begin{array}{c}\text{Total length (ft)}\\ \text{of liquid piping}\\ \text{size at ø 5/8 in.}\end{array}\right) \times 0.120 + \left(\begin{array}{c}\text{Total length (ft)}\\ \text{of liquid piping}\\ \text{size at ø 1/2 in.}\end{array}\right) \times 0.080 + \\ \left(\begin{array}{c}\text{Total length (ft)}\\ \text{of liquid piping}\\ \text{size at ø 3/8 in.}\end{array}\right) \times 0.040 + \left(\begin{array}{c}\text{Total length (ft)}\\ \text{of liquid piping}\\ \text{size at ø 1/4 in.}\end{array}\right) \times 0.015 \end{array} \right]$$

Fig. 30 —Calculating the Amount of Refrigerant to Add

NOTES:

- All service valves on the outdoor units should remain fully closed.
- R-410A refrigerant should be added (in liquid state) at the liquid line service port on the header unit.
- If the total calculated amount of refrigerant can be added to the system, the charging process is finished.

2. If the total calculated amount of refrigerant cannot be added to the system:
   a. Close the valve on the refrigerant bottle.
   b. Move the charging hose from the liquid line service port to the suction line service port.
   c. Open the suction and liquid service valves on the header unit and start the system in cooling mode.
   d. Slowly open the valve on the refrigerant bottle and carefully release liquid refrigerant into the suction service port.
3. If the total calculated charge amount is added completely to the system, the charging process is finished.

CAPACITY DATA TABLES

Cooling Capacity

SINGLE UNITS

Table 50 —38VMA072HDS5-1, 38VMA072HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	60.70	1.92	70.60	2.28	80.44	2.65	93.60	3.15	101.29	3.34	103.43	3.20
	14	60.70	1.96	70.60	2.33	80.44	2.71	93.60	3.22	101.29	3.41	103.43	3.27
	25	60.70	2.00	70.60	2.38	80.44	2.76	93.60	3.28	101.29	3.48	103.43	3.33
	30	60.70	2.05	70.60	2.43	80.44	2.82	93.60	3.36	99.50	3.46	102.00	3.31
	35	60.70	2.10	70.60	2.49	80.44	2.89	93.60	3.44	97.95	3.43	100.45	3.28
	40	60.70	2.15	70.60	2.55	80.44	2.96	93.60	3.52	96.40	3.40	98.90	3.25
	45	60.70	2.20	70.60	2.62	80.44	3.04	92.15	3.51	94.78	3.38	97.25	3.22
	50	60.70	2.25	70.60	2.68	80.44	3.12	90.70	3.50	93.15	3.35	95.60	3.19
	55	60.70	2.31	70.60	2.75	80.44	3.20	89.08	3.48	91.53	3.34	93.98	3.28
	60	60.70	2.37	70.60	2.82	80.44	3.28	87.45	3.51	89.90	3.49	92.35	3.53
	65	60.70	2.48	70.60	2.96	80.39	3.52	84.85	3.78	87.30	3.90	89.75	3.94
	70	60.70	2.54	70.60	3.15	79.50	3.73	84.20	3.95	86.60	4.00	89.10	4.04
	75	60.70	2.79	70.60	3.47	78.43	4.01	82.50	4.20	85.00	4.25	87.50	4.30
	80	60.70	3.05	70.60	3.80	77.35	4.30	80.88	4.46	83.38	4.51	85.88	4.56
	85	60.70	3.34	70.60	4.17	76.27	4.60	79.25	4.71	81.75	4.77	84.25	4.82
	90	60.70	3.65	70.49	4.55	75.13	4.90	77.63	4.97	80.13	5.03	82.48	5.08
	95	60.70	3.98	69.48	4.84	73.60	5.16	76.00	5.22	78.35	5.28	78.90	5.30
	100	60.70	4.35	68.24	5.12	71.97	5.42	74.13	5.47	74.86	5.50	74.90	5.50
	105	60.70	4.78	67.00	5.46	70.06	5.71	70.80	5.74	70.90	5.74	70.90	5.74
	110	60.70	5.32	65.28	5.88	66.80	6.06	66.90	6.06	66.90	6.06	66.90	6.06
	115	57.60	6.11	57.68	6.11	57.83	6.13	58.00	6.13	58.15	6.14	58.30	6.15
	118	49.54	5.57	49.60	5.57	49.74	5.58	49.88	5.59	50.01	5.60	50.14	5.61
	122	42.60	5.07	42.66	5.07	42.77	5.08	42.90	5.08	43.01	5.09	43.12	5.10
	125	36.64	4.61	36.69	4.62	36.79	4.62	36.89	4.63	36.99	4.64	37.08	4.64
120	5	56.10	1.77	65.18	2.09	74.27	2.42	86.40	2.88	97.92	3.31	102.14	3.30
	14	56.10	1.80	65.18	2.13	74.27	2.47	86.40	2.94	97.92	3.38	102.14	3.37
	25	56.10	1.84	65.18	2.17	74.27	2.52	86.40	3.00	97.92	3.45	102.14	3.43
	30	56.10	1.88	65.18	2.22	74.27	2.58	86.40	3.07	97.10	3.48	100.00	3.41
	35	56.10	1.92	65.18	2.27	74.27	2.64	86.40	3.14	95.98	3.49	98.55	3.39
	40	56.10	1.96	65.18	2.33	74.27	2.70	86.40	3.22	94.85	3.50	97.10	3.36
	45	56.10	2.01	65.18	2.38	74.27	2.77	86.40	3.30	93.23	3.47	95.50	3.34
	50	56.10	2.06	65.18	2.44	74.27	2.84	86.40	3.39	91.60	3.44	93.90	3.31
	55	56.10	2.12	65.18	2.51	74.27	2.92	86.40	3.47	89.98	3.42	92.28	3.31
	60	56.10	2.18	65.18	2.58	74.27	3.00	85.90	3.53	88.35	3.49	90.65	3.51
	65	56.10	2.27	65.18	2.69	74.27	3.16	83.68	3.70	85.75	3.85	88.05	3.90
	70	56.10	2.29	65.18	2.81	74.27	3.39	82.80	3.93	85.10	3.98	87.40	4.01
	75	56.10	2.49	65.18	3.09	74.27	3.73	81.20	4.18	83.45	4.23	85.70	4.27
	80	56.10	2.73	65.18	3.39	74.20	4.09	79.58	4.44	81.83	4.48	84.08	4.53
	85	56.10	2.99	65.18	3.71	73.57	4.41	77.95	4.68	80.20	4.74	82.45	4.78
	90	56.10	3.25	65.18	4.05	72.48	4.71	76.33	4.93	78.58	4.99	80.83	5.04
	95	56.10	3.55	65.18	4.43	71.40	5.00	74.70	5.19	76.95	5.25	78.90	5.30
	100	56.10	3.87	65.18	4.84	70.32	5.32	73.08	5.44	74.68	5.49	74.90	5.50
	105	56.10	4.25	64.93	5.29	69.11	5.68	70.70	5.73	70.90	5.74	70.90	5.74
	110	56.10	4.74	63.83	5.72	66.67	6.06	66.90	6.06	66.90	6.06	66.90	6.06
	115	56.10	5.28	57.30	5.91	57.83	6.13	58.00	6.13	58.15	6.14	58.30	6.15
	118	49.54	4.94	49.60	5.42	49.74	5.58	49.88	5.59	50.01	5.60	50.14	5.61
	122	42.60	4.50	42.66	4.93	42.77	5.08	42.90	5.08	43.01	5.09	43.12	5.10
	125	36.64	4.09	36.69	4.49	36.79	4.62	36.89	4.63	36.99	4.64	37.08	4.64

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
110	5	51.40	1.61	59.73	1.89	68.10	2.19	79.20	2.60	90.30	3.03	100.34	3.39
	14	51.40	1.64	59.73	1.93	68.10	2.23	79.20	2.66	90.30	3.09	100.34	3.46
	25	51.40	1.68	59.73	1.97	68.10	2.28	79.20	2.71	90.30	3.16	100.34	3.53
	30	51.40	1.71	59.73	2.02	68.10	2.33	79.20	2.78	90.30	3.23	98.70	3.51
	35	51.40	1.75	59.73	2.06	68.10	2.39	79.20	2.84	90.30	3.31	97.05	3.49
	40	51.40	1.79	59.73	2.11	68.10	2.45	79.20	2.91	90.30	3.39	95.40	3.47
	45	51.40	1.83	59.73	2.17	68.10	2.51	79.20	2.99	89.68	3.43	93.80	3.44
	50	51.40	1.87	59.73	2.22	68.10	2.57	79.20	3.06	89.05	3.47	92.20	3.41
	55	51.40	1.92	59.73	2.27	68.10	2.63	79.20	3.14	88.16	3.50	90.48	3.38
	60	51.40	1.97	59.73	2.33	68.10	2.71	79.20	3.23	86.80	3.53	88.85	3.48
	65	51.40	2.05	59.73	2.44	68.10	2.83	79.20	3.44	84.20	3.74	86.25	3.89
	70	51.40	2.07	59.73	2.50	68.10	2.98	79.20	3.72	83.55	3.95	85.60	3.99
	75	51.40	2.22	59.73	2.73	68.10	3.28	79.20	4.10	81.95	4.20	84.00	4.24
	80	51.40	2.42	59.73	2.99	68.10	3.60	78.28	4.40	80.33	4.45	82.38	4.49
	85	51.40	2.65	59.73	3.27	68.10	3.94	76.60	4.66	78.70	4.70	80.75	4.75
	90	51.40	2.89	59.73	3.58	68.10	4.32	74.93	4.90	77.08	4.96	79.13	5.00
	95	51.40	3.15	59.73	3.90	68.10	4.71	73.30	5.15	75.40	5.21	77.50	5.27
	100	51.40	3.42	59.73	4.25	67.62	5.09	71.68	5.41	73.68	5.46	74.90	5.50
	105	51.40	3.76	59.73	4.68	66.52	5.44	70.10	5.71	70.87	5.74	70.90	5.74
	110	51.40	4.18	59.73	5.22	65.37	5.89	66.90	6.06	66.90	6.06	66.90	6.06
	115	51.40	4.66	56.13	5.75	57.83	6.13	58.00	6.13	58.15	6.14	58.30	6.15
	118	49.54	4.76	49.60	5.39	49.74	5.58	49.88	5.59	50.01	5.60	50.14	5.61
	122	42.60	4.33	42.66	4.90	42.77	5.08	42.90	5.08	43.01	5.09	43.12	5.10
	125	36.64	3.94	36.69	4.46	36.79	4.62	36.89	4.63	36.99	4.64	37.08	4.64
100	5	46.70	1.46	54.28	1.71	61.87	1.97	72.00	2.33	82.10	2.71	92.20	3.10
	14	46.70	1.49	54.28	1.74	61.87	2.01	72.00	2.38	82.10	2.77	92.20	3.16
	25	46.70	1.52	54.28	1.78	61.87	2.05	72.00	2.42	82.10	2.82	92.20	3.23
	30	46.70	1.55	54.28	1.82	61.87	2.09	72.00	2.48	82.10	2.89	92.20	3.31
	35	46.70	1.59	54.28	1.86	61.87	2.14	72.00	2.54	82.10	2.96	92.20	3.39
	40	46.70	1.62	54.28	1.90	61.87	2.20	72.00	2.61	82.10	3.03	92.20	3.47
	45	46.70	1.65	54.28	1.95	61.87	2.25	72.00	2.67	82.10	3.11	91.30	3.49
	50	46.70	1.69	54.28	1.99	61.87	2.31	72.00	2.74	82.10	3.19	90.40	3.52
	55	46.70	1.73	54.28	2.04	61.87	2.36	72.00	2.81	82.10	3.27	88.78	3.49
	60	46.70	1.77	54.28	2.09	61.87	2.43	72.00	2.89	82.10	3.36	87.15	3.52
	65	46.70	1.85	54.28	2.19	61.87	2.54	72.00	3.02	81.80	3.60	84.55	3.76
	70	46.70	1.87	54.28	2.21	61.87	2.61	72.00	3.23	81.05	3.84	83.90	3.95
	75	46.70	1.96	54.28	2.39	61.87	2.86	72.00	3.56	80.25	4.15	82.30	4.20
	80	46.70	2.14	54.28	2.62	61.87	3.14	72.00	3.90	78.78	4.42	80.68	4.46
	85	46.70	2.33	54.28	2.86	61.87	3.43	72.00	4.28	77.15	4.67	79.05	4.71
	90	46.70	2.54	54.28	3.12	61.87	3.76	72.00	4.69	75.53	4.91	77.43	4.96
	95	46.70	2.76	54.28	3.40	61.87	4.10	72.00	5.12	73.90	5.17	75.80	5.22
	100	46.70	3.01	54.28	3.71	61.87	4.47	70.38	5.37	72.28	5.42	74.00	5.47
	105	46.70	3.30	54.28	4.08	61.87	4.92	68.73	5.68	70.40	5.73	70.90	5.74
	110	46.70	3.67	54.28	4.55	61.87	5.49	66.90	6.06	66.90	6.06	66.90	6.06
	115	46.70	4.07	54.28	5.05	57.53	5.88	58.00	6.13	58.15	6.14	58.30	6.15
	118	46.70	4.31	47.76	4.71	49.74	5.39	49.88	5.59	50.01	5.60	50.14	5.61
	122	40.16	3.92	41.08	4.29	42.77	4.90	42.90	5.08	43.01	5.09	43.12	5.10
	125	34.54	3.57	35.33	3.90	36.79	4.46	36.89	4.63	36.99	4.64	37.08	4.64
90	5	42.00	1.31	48.83	1.53	55.70	1.76	64.80	2.08	73.90	2.40	83.00	2.74
	14	42.00	1.34	48.83	1.56	55.70	1.79	64.80	2.12	73.90	2.45	83.00	2.80
	25	42.00	1.37	48.83	1.59	55.70	1.83	64.80	2.16	73.90	2.50	83.00	2.86
	30	42.00	1.39	48.83	1.62	55.70	1.87	64.80	2.21	73.90	2.56	83.00	2.92
	35	42.00	1.42	48.83	1.66	55.70	1.91	64.80	2.26	73.90	2.62	83.00	3.00
	40	42.00	1.45	48.83	1.70	55.70	1.95	64.80	2.31	73.90	2.68	83.00	3.07
	45	42.00	1.48	48.83	1.74	55.70	2.00	64.80	2.37	73.90	2.75	83.00	3.15
	50	42.00	1.52	48.83	1.78	55.70	2.05	64.80	2.42	73.90	2.82	83.00	3.23
	55	42.00	1.55	48.83	1.82	55.70	2.10	64.80	2.49	73.90	2.89	83.00	3.31
	60	42.00	1.59	48.83	1.87	55.70	2.16	64.80	2.55	73.90	2.98	83.00	3.40
	65	42.00	1.66	48.83	1.95	55.70	2.24	64.80	2.67	73.90	3.13	83.00	3.68
	70	42.00	1.67	48.83	1.96	55.70	2.27	64.80	2.78	73.90	3.36	82.20	3.92
	75	42.00	1.72	48.83	2.08	55.70	2.47	64.80	3.05	73.90	3.69	80.60	4.17
	80	42.00	1.88	48.83	2.28	55.70	2.71	64.80	3.35	73.90	4.06	78.98	4.42
	85	42.00	2.04	48.83	2.48	55.70	2.96	64.80	3.66	73.70	4.43	77.35	4.67
	90	42.00	2.22	48.83	2.71	55.70	3.24	64.80	4.01	73.01	4.77	75.73	4.92
	95	42.00	2.41	48.83	2.95	55.70	3.53	64.80	4.37	72.20	5.11	74.10	5.18
	100	42.00	2.62	48.83	3.21	55.70	3.84	64.80	4.78	70.73	5.38	72.48	5.43
	105	42.00	2.87	48.83	3.52	55.70	4.22	64.80	5.26	69.12	5.68	70.57	5.73
	110	42.00	3.18	48.83	3.91	55.70	4.70	64.80	5.87	66.90	6.06	66.90	6.06
	115	42.00	3.52	48.83	4.35	55.63	5.63	58.00	6.13	58.15	6.14	58.30	6.15
	118	42.00	3.73	47.76	4.51	48.40	5.19	49.88	5.59	50.01	5.60	50.14	5.61
	122	36.12	3.40	41.08	4.10	41.63	4.72	42.90	5.08	43.01	5.09	43.12	5.10
	125	31.06	3.09	35.33	3.73	35.80	4.30	36.89	4.63	36.99	4.64	37.08	4.64

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
80	5	37.40	1.17	43.48	1.36	49.50	1.55	57.60	1.82	65.70	2.10	73.80	2.39
	14	37.40	1.20	43.48	1.38	49.50	1.58	57.60	1.86	65.70	2.15	73.80	2.44
	25	37.40	1.22	43.48	1.41	49.50	1.61	57.60	1.90	65.70	2.19	73.80	2.49
	30	37.40	1.25	43.48	1.44	49.50	1.64	57.60	1.94	65.70	2.24	73.80	2.55
	35	37.40	1.27	43.48	1.47	49.50	1.68	57.60	1.98	65.70	2.29	73.80	2.61
	40	37.40	1.29	43.48	1.50	49.50	1.72	57.60	2.03	65.70	2.35	73.80	2.67
	45	37.40	1.32	43.48	1.54	49.50	1.76	57.60	2.08	65.70	2.40	73.80	2.75
	50	37.40	1.35	43.48	1.57	49.50	1.80	57.60	2.13	65.70	2.46	73.80	2.82
	55	37.40	1.38	43.48	1.61	49.50	1.85	57.60	2.18	65.70	2.53	73.80	2.89
	60	37.40	1.41	43.48	1.65	49.50	1.89	57.60	2.23	65.70	2.60	73.80	2.97
	65	37.40	1.47	43.48	1.71	49.50	1.97	57.60	2.33	65.70	2.71	73.80	3.12
	70	37.40	1.48	43.48	1.73	49.50	1.99	57.60	2.36	65.70	2.83	73.80	3.34
	75	37.40	1.52	43.48	1.80	49.50	2.11	57.60	2.58	65.70	3.12	73.80	3.68
	80	37.40	1.63	43.48	1.95	49.50	2.31	57.60	2.84	65.70	3.42	73.80	4.05
	85	37.40	1.77	43.48	2.13	49.50	2.53	57.60	3.10	65.70	3.74	73.80	4.44
	90	37.40	1.92	43.48	2.32	49.50	2.75	57.60	3.38	65.70	4.09	73.65	4.85
	95	37.40	2.08	43.48	2.53	49.50	3.00	57.60	3.69	65.70	4.46	72.30	5.13
	100	37.40	2.26	43.48	2.74	49.50	3.26	57.60	4.02	65.70	4.88	70.68	5.38
	105	37.40	2.47	43.48	3.00	49.50	3.57	57.60	4.43	65.67	5.36	69.10	5.69
	110	37.40	2.73	43.48	3.33	49.50	3.98	57.60	4.93	65.00	5.89	66.90	6.06
	115	37.40	3.02	43.48	3.70	49.50	4.42	57.60	5.48	58.15	6.14	58.30	6.15
	118	37.40	3.21	43.48	3.92	48.40	4.58	49.88	5.03	50.01	5.60	50.14	5.61
	122	32.16	2.92	37.39	3.57	41.63	4.17	42.90	4.58	43.01	5.09	43.12	5.10
	125	27.66	2.66	32.15	3.24	35.80	3.79	36.89	4.17	36.99	4.64	37.08	4.64
70	5	32.70	1.04	38.03	1.19	43.33	1.35	50.40	1.58	57.45	1.82	64.60	2.06
	14	32.70	1.06	38.03	1.21	43.33	1.38	50.40	1.61	57.45	1.85	64.60	2.11
	25	32.70	1.08	38.03	1.24	43.33	1.41	50.40	1.64	57.45	1.89	64.60	2.15
	30	32.70	1.10	38.03	1.26	43.33	1.43	50.40	1.68	57.45	1.93	64.60	2.20
	35	32.70	1.12	38.03	1.29	43.33	1.47	50.40	1.72	57.45	1.97	64.60	2.25
	40	32.70	1.14	38.03	1.31	43.33	1.50	50.40	1.76	57.45	2.02	64.60	2.30
	45	32.70	1.17	38.03	1.35	43.33	1.53	50.40	1.80	57.45	2.07	64.60	2.36
	50	32.70	1.19	38.03	1.38	43.33	1.57	50.40	1.84	57.45	2.12	64.60	2.41
	55	32.70	1.22	38.03	1.40	43.33	1.60	50.40	1.88	57.45	2.18	64.60	2.48
	60	32.70	1.24	38.03	1.44	43.33	1.64	50.40	1.93	57.45	2.23	64.60	2.54
	65	32.70	1.27	38.03	1.49	43.33	1.70	50.40	2.02	57.45	2.32	64.60	2.66
	70	32.70	1.30	38.03	1.51	43.33	1.73	50.40	2.03	57.45	2.36	64.60	2.76
	75	32.70	1.33	38.03	1.55	43.33	1.79	50.40	2.16	57.45	2.58	64.60	3.04
	80	32.70	1.40	38.03	1.66	43.33	1.95	50.40	2.36	57.45	2.82	64.60	3.33
	85	32.70	1.52	38.03	1.81	43.33	2.12	50.40	2.58	57.45	3.09	64.60	3.64
	90	32.70	1.64	38.03	1.96	43.33	2.31	50.40	2.82	57.45	3.37	64.60	3.98
	95	32.70	1.78	38.03	2.13	43.33	2.51	50.40	3.06	57.45	3.68	64.60	4.35
	100	32.70	1.92	38.03	2.31	43.33	2.73	50.40	3.33	57.45	4.01	64.60	4.75
	105	32.70	2.10	38.03	2.52	43.33	2.98	50.40	3.66	57.45	4.41	64.60	5.23
	110	32.70	2.32	38.03	2.80	43.33	3.31	50.40	4.07	57.45	4.91	64.60	5.83
	115	32.70	2.56	38.03	3.10	43.33	3.67	50.40	4.52	56.95	5.68	58.30	6.15
	118	32.70	2.71	38.03	3.28	43.33	3.89	45.36	4.31	50.01	5.29	50.14	5.61
	122	28.12	2.47	32.70	2.99	37.27	3.54	39.01	3.92	43.01	4.81	43.12	5.10
	125	24.19	2.25	28.12	2.72	32.05	3.23	33.55	3.57	36.99	4.38	37.08	4.64
60	5	28.00	0.91	32.58	1.03	37.10	1.16	43.20	1.35	49.30	1.54	55.30	1.74
	14	28.00	0.93	32.58	1.06	37.10	1.19	43.20	1.38	49.30	1.57	55.30	1.78
	25	28.00	0.95	32.58	1.08	37.10	1.21	43.20	1.40	49.30	1.60	55.30	1.81
	30	28.00	0.96	32.58	1.10	37.10	1.23	43.20	1.43	49.30	1.64	55.30	1.85
	35	28.00	0.98	32.58	1.12	37.10	1.26	43.20	1.46	49.30	1.67	55.30	1.89
	40	28.00	1.00	32.58	1.14	37.10	1.29	43.20	1.50	49.30	1.71	55.30	1.94
	45	28.00	1.02	32.58	1.16	37.10	1.31	43.20	1.53	49.30	1.75	55.30	1.98
	50	28.00	1.04	32.58	1.19	37.10	1.34	43.20	1.56	49.30	1.79	55.30	2.03
	55	28.00	1.06	32.58	1.21	37.10	1.37	43.20	1.59	49.30	1.84	55.30	2.08
	60	28.00	1.08	32.58	1.24	37.10	1.40	43.20	1.64	49.30	1.88	55.30	2.14
	65	28.00	1.12	32.58	1.28	37.10	1.45	43.20	1.70	49.30	1.96	55.30	2.23
	70	28.00	1.12	32.58	1.29	37.10	1.47	43.20	1.72	49.30	1.98	55.30	2.25
	75	28.00	1.16	32.58	1.33	37.10	1.51	43.20	1.78	49.30	2.10	55.30	2.45
	80	28.00	1.19	32.58	1.39	37.10	1.62	43.20	1.94	49.30	2.30	55.30	2.68
	85	28.00	1.29	32.58	1.52	37.10	1.76	43.20	2.11	49.30	2.50	55.30	2.93
	90	28.00	1.39	32.58	1.64	37.10	1.91	43.20	2.30	49.30	2.73	55.30	3.20
	95	28.00	1.50	32.58	1.78	37.10	2.07	43.20	2.49	49.30	2.97	55.30	3.49
	100	28.00	1.62	32.58	1.92	37.10	2.24	43.20	2.71	49.30	3.23	55.30	3.80
	105	28.00	1.76	32.58	2.10	37.10	2.45	43.20	2.97	49.30	3.55	55.30	4.17
	110	28.00	1.95	32.58	2.31	37.10	2.72	43.20	3.30	49.30	3.94	55.30	4.64
	115	28.00	2.14	32.58	2.56	37.10	3.01	43.20	3.66	49.30	4.38	55.30	5.18
	118	28.00	2.27	32.58	2.71	37.10	3.19	43.20	3.88	45.36	4.28	50.14	4.98
	122	24.08	2.07	28.02	2.47	31.91	2.90	37.15	3.53	39.01	3.89	43.12	4.53
	125	20.71	1.88	24.09	2.24	27.44	2.64	31.95	3.21	33.55	3.54	37.08	4.12

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	5	23.30	0.78	27.13	0.88	30.87	0.98	36.00	1.12	41.15	1.27	46.00	1.42
	14	23.30	0.79	27.13	0.90	30.87	1.00	36.00	1.14	41.15	1.29	46.00	1.45
	25	23.30	0.81	27.13	0.92	30.87	1.02	36.00	1.16	41.15	1.32	46.00	1.48
	30	23.30	0.83	27.13	0.94	30.87	1.03	36.00	1.18	41.15	1.34	46.00	1.50
	35	23.30	0.84	27.13	0.95	30.87	1.06	36.00	1.21	41.15	1.37	46.00	1.54
	40	23.30	0.85	27.13	0.97	30.87	1.08	36.00	1.23	41.15	1.40	46.00	1.57
	45	23.30	0.87	27.13	0.98	30.87	1.10	36.00	1.26	41.15	1.43	46.00	1.61
	50	23.30	0.89	27.13	1.00	30.87	1.11	36.00	1.29	41.15	1.46	46.00	1.64
	55	23.30	0.89	27.13	1.02	30.87	1.14	36.00	1.31	41.15	1.50	46.00	1.69
	60	23.30	0.91	27.13	1.04	30.87	1.17	36.00	1.35	41.15	1.53	46.00	1.74
	65	23.30	0.97	27.13	1.08	30.87	1.20	36.00	1.39	41.15	1.59	46.00	1.81
	70	23.30	0.94	27.13	1.08	30.87	1.21	36.00	1.42	41.15	1.60	46.00	1.74
	75	23.30	0.99	27.13	1.10	30.87	1.23	36.00	1.39	41.15	1.63	46.00	1.86
	80	23.30	0.98	27.13	1.13	30.87	1.29	36.00	1.51	41.15	1.77	46.00	2.03
	85	23.30	1.05	27.13	1.22	30.87	1.39	36.00	1.64	41.15	1.92	46.00	2.23
	90	23.30	1.15	27.13	1.32	30.87	1.50	36.00	1.78	41.15	2.08	46.00	2.41
	95	23.30	1.21	27.13	1.42	30.87	1.64	36.00	1.93	41.15	2.25	46.00	2.63
	100	23.30	1.32	27.13	1.54	30.87	1.76	36.00	2.08	41.15	2.45	46.00	2.84
	105	23.30	1.43	27.13	1.67	30.87	1.92	36.00	2.28	41.15	2.68	46.00	3.11
	110	23.30	1.57	27.13	1.83	30.87	2.12	36.00	2.53	41.15	2.97	46.00	3.46
	115	23.30	1.72	27.13	2.02	30.87	2.34	36.00	2.80	41.15	3.09	46.00	4.20
	118	23.30	1.83	27.13	2.14	30.87	2.48	36.00	2.97	41.15	3.27	46.00	4.46
	122	20.04	1.66	23.33	1.95	26.55	2.25	30.96	2.70	35.39	2.98	39.56	4.05
	125	17.23	1.51	20.06	1.77	22.83	2.05	26.63	2.46	30.44	2.71	34.02	3.69

Tc: Total Capacity
PI: Power Input

Table 51 —38VMA096HDS5-1, 38VMA096HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	81.00	2.80	94.13	3.32	107.50	3.85	125.00	4.59	135.15	4.85	138.15	4.65
	14	81.00	2.85	94.13	3.39	107.50	3.93	125.00	4.68	135.15	4.95	138.15	4.75
	25	81.00	2.91	94.13	3.46	107.50	4.01	125.00	4.78	135.15	5.05	138.15	4.85
	30	81.00	2.98	94.13	3.53	107.50	4.10	125.00	4.89	133.00	5.02	136.00	4.81
	35	81.00	3.05	94.13	3.62	107.50	4.20	125.00	5.01	130.75	4.99	134.00	4.77
	40	81.00	3.12	94.13	3.70	107.50	4.30	125.00	5.12	128.50	4.95	132.00	4.73
	45	81.00	3.20	94.13	3.80	107.50	4.42	123.00	5.11	126.25	4.91	129.50	4.68
	50	81.00	3.28	94.13	3.90	107.50	4.53	121.00	5.09	124.00	4.87	127.00	4.64
	55	81.00	3.36	94.13	4.00	107.50	4.65	118.50	5.06	122.13	4.86	125.50	4.76
	60	81.00	3.45	94.13	4.11	107.50	4.77	116.50	5.10	120.00	5.08	123.00	5.13
	65	81.00	3.60	94.13	4.31	107.50	5.12	113.75	5.49	116.00	5.66	119.75	5.72
	70	81.00	3.69	94.13	4.58	106.17	5.43	112.00	5.75	115.50	5.82	119.00	5.87
	75	81.00	4.04	94.13	5.04	104.84	5.83	110.00	6.12	113.50	6.18	117.00	6.25
	80	81.00	4.44	94.13	5.53	103.17	6.25	107.75	6.48	111.13	6.56	114.50	6.63
	85	81.00	4.85	94.13	6.06	101.50	6.68	106.00	6.85	109.00	6.93	112.00	7.01
	90	81.00	5.30	93.96	6.62	100.26	7.12	103.50	7.22	106.88	7.31	109.50	7.39
	95	81.00	5.78	92.63	7.04	98.10	7.50	101.00	7.60	104.50	7.68	105.00	7.70
	100	81.00	6.31	90.96	7.44	95.94	7.87	98.93	7.96	99.90	7.99	99.93	7.99
	105	81.00	6.94	89.35	7.93	93.45	8.31	94.47	8.34	94.47	8.34	94.57	8.35
	110	81.00	7.75	87.08	8.55	89.10	8.81	89.10	8.81	89.20	8.82	89.20	8.82
	115	76.80	8.88	76.95	8.89	77.13	8.90	77.30	8.91	77.55	8.93	77.70	8.94
	118	66.05	8.10	66.18	8.10	66.34	8.11	66.48	8.12	66.69	8.14	66.82	8.15
	122	56.80	7.37	56.91	7.37	57.05	7.38	57.17	7.39	57.36	7.41	57.47	7.42
	125	48.85	6.70	48.95	6.71	49.06	6.72	49.17	6.73	49.33	6.74	49.42	6.75
120	5	74.80	2.56	86.88	3.03	98.97	3.51	115.00	4.18	130.57	4.81	136.15	4.79
	14	74.80	2.62	86.88	3.09	98.97	3.58	115.00	4.27	130.57	4.91	136.15	4.89
	25	74.80	2.67	86.88	3.16	98.97	3.66	115.00	4.35	130.57	5.01	136.15	4.99
	30	74.80	2.73	86.88	3.23	98.97	3.74	115.00	4.46	129.50	5.05	134.00	4.96
	35	74.80	2.80	86.88	3.30	98.97	3.84	115.00	4.57	128.00	5.07	132.00	4.92
	40	74.80	2.86	86.88	3.38	98.97	3.93	115.00	4.68	126.50	5.08	130.00	4.88
	45	74.80	2.93	86.88	3.47	98.97	4.03	115.00	4.80	124.25	5.05	127.50	4.84
	50	74.80	3.00	86.88	3.55	98.97	4.13	115.00	4.92	122.00	5.01	125.00	4.80
	55	74.80	3.07	86.88	3.65	98.97	4.24	115.00	5.05	120.00	4.98	122.75	4.82
	60	74.80	3.15	86.88	3.74	98.97	4.35	114.50	5.13	117.75	5.08	121.00	5.10
	65	74.80	3.29	86.88	3.90	98.97	4.60	111.75	5.37	114.38	5.59	117.00	5.69
	70	74.80	3.33	86.88	4.08	98.97	4.92	110.00	5.72	113.50	5.78	116.00	5.83
	75	74.80	3.63	86.88	4.48	98.97	5.42	108.00	6.08	111.50	6.14	114.00	6.21
	80	74.80	3.97	86.88	4.92	98.97	5.94	106.50	6.44	109.13	6.51	112.50	6.58
	85	74.80	4.33	86.88	5.39	98.30	6.42	104.00	6.81	107.00	6.88	110.00	6.96
	90	74.80	4.74	86.88	5.89	96.69	6.84	101.50	7.18	104.88	7.26	107.50	7.34
	95	74.80	5.17	86.88	6.43	95.17	7.28	99.60	7.55	102.50	7.63	105.00	7.70
	100	74.80	5.63	86.88	7.03	93.75	7.73	97.45	7.91	99.53	7.98	99.93	7.99
	105	74.80	6.18	86.58	7.68	92.19	8.26	94.30	8.34	94.47	8.34	94.57	8.35
	110	74.80	6.89	85.08	8.31	88.90	8.80	89.10	8.81	89.20	8.82	89.20	8.82
	115	74.80	7.67	76.45	8.59	77.13	8.90	77.30	8.91	77.55	8.93	77.70	8.94
	118	66.05	7.18	66.18	7.88	66.34	8.11	66.48	8.12	66.69	8.14	66.82	8.15
	122	56.80	6.53	56.91	7.17	57.05	7.38	57.17	7.39	57.36	7.41	57.47	7.42
	125	48.85	5.94	48.95	6.52	49.06	6.72	49.17	6.73	49.33	6.74	49.42	6.75
110	5	68.50	2.34	79.68	2.76	90.80	3.18	106.00	3.78	120.50	4.40	134.15	4.93
	14	68.50	2.38	79.68	2.81	90.80	3.25	106.00	3.86	120.50	4.49	134.15	5.03
	25	68.50	2.43	79.68	2.87	90.80	3.31	106.00	3.94	120.50	4.58	134.15	5.13
	30	68.50	2.49	79.68	2.93	90.80	3.39	106.00	4.03	120.50	4.69	132.00	5.10
	35	68.50	2.55	79.68	3.00	90.80	3.47	106.00	4.13	120.50	4.81	129.50	5.07
	40	68.50	2.60	79.68	3.07	90.80	3.55	106.00	4.22	120.50	4.92	127.00	5.03
	45	68.50	2.66	79.68	3.14	90.80	3.64	106.00	4.33	119.75	4.99	125.00	5.00
	50	68.50	2.72	79.68	3.22	90.80	3.73	106.00	4.45	119.00	5.05	123.00	4.96
	55	68.50	2.79	79.68	3.30	90.80	3.83	106.00	4.56	117.63	5.09	120.50	4.93
	60	68.50	2.87	79.68	3.39	90.80	3.93	106.00	4.69	115.75	5.13	118.50	5.06
	65	68.50	2.99	79.68	3.54	90.80	4.11	106.00	5.01	112.38	5.43	115.75	5.65
	70	68.50	3.02	79.68	3.63	90.80	4.34	106.00	5.41	111.50	5.74	114.00	5.79
	75	68.50	3.22	79.68	3.96	90.80	4.77	106.00	5.96	109.50	6.10	112.00	6.16
	80	68.50	3.53	79.68	4.35	90.80	5.24	104.50	6.40	107.00	6.47	109.75	6.52
	85	68.50	3.85	79.68	4.76	90.80	5.74	102.00	6.77	104.75	6.83	108.00	6.90
	90	68.50	4.20	79.68	5.19	90.80	6.27	99.88	7.13	102.88	7.20	105.50	7.28
	95	68.50	4.57	79.68	5.67	90.80	6.85	97.80	7.49	100.45	7.58	103.00	7.65
	100	68.50	4.98	79.68	6.19	90.17	7.40	95.65	7.86	98.23	7.94	99.93	7.99
	105	68.50	5.47	79.68	6.80	88.69	7.91	93.44	8.30	94.44	8.34	94.57	8.35
	110	68.50	6.09	79.68	7.58	87.20	8.57	89.10	8.81	89.20	8.82	89.20	8.82
	115	68.50	6.77	74.88	8.36	77.13	8.90	77.30	8.91	77.55	8.93	77.70	8.94
	118	66.05	6.91	66.18	7.83	66.34	8.11	66.48	8.12	66.69	8.14	66.82	8.15
	122	56.80	6.29	56.91	7.13	57.05	7.38	57.17	7.39	57.36	7.41	57.47	7.42
	125	48.85	5.73	48.95	6.49	49.06	6.72	49.17	6.73	49.33	6.74	49.42	6.75

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	62.30	2.12	72.43	2.48	82.54	2.86	96.00	3.39	109.50	3.94	123.00	4.51
	14	62.30	2.16	72.43	2.53	82.54	2.92	96.00	3.46	109.50	4.02	123.00	4.60
	25	62.30	2.20	72.43	2.58	82.54	2.98	96.00	3.53	109.50	4.11	123.00	4.69
	30	62.30	2.25	72.43	2.64	82.54	3.05	96.00	3.61	109.50	4.20	123.00	4.80
	35	62.30	2.30	72.43	2.70	82.54	3.12	96.00	3.70	109.50	4.31	123.00	4.92
	40	62.30	2.35	72.43	2.76	82.54	3.19	96.00	3.79	109.50	4.41	123.00	5.04
	45	62.30	2.41	72.43	2.83	82.54	3.27	96.00	3.88	109.50	4.52	122.00	5.08
	50	62.30	2.46	72.43	2.90	82.54	3.35	96.00	3.98	109.50	4.63	121.00	5.11
	55	62.30	2.52	72.43	2.97	82.54	3.44	96.00	4.08	109.50	4.76	118.50	5.09
	60	62.30	2.58	72.43	3.05	82.54	3.53	96.00	4.20	109.50	4.88	116.00	5.11
	65	62.30	2.70	72.43	3.18	82.54	3.68	96.00	4.38	109.13	5.23	112.75	5.46
	70	62.30	2.71	72.43	3.22	82.54	3.79	96.00	4.69	108.00	5.58	112.00	5.74
	75	62.30	2.85	72.43	3.48	82.54	4.16	96.00	5.17	107.00	6.03	110.00	6.11
	80	62.30	3.11	72.43	3.81	82.54	4.56	96.00	5.68	105.00	6.42	107.50	6.47
	85	62.30	3.40	72.43	4.16	82.54	4.99	96.00	6.22	102.75	6.79	105.50	6.84
	90	62.30	3.70	72.43	4.55	82.54	5.46	96.00	6.81	100.73	7.15	103.50	7.22
	95	62.30	4.02	72.43	4.95	82.54	5.95	96.00	7.46	98.55	7.51	101.00	7.59
	100	62.30	4.37	72.43	5.39	82.54	6.50	93.85	7.81	96.36	7.88	98.65	7.96
	105	62.30	4.79	72.43	5.93	82.54	7.15	91.64	8.25	93.85	8.32	94.57	8.35
	110	62.30	5.33	72.43	6.60	82.54	7.98	89.10	8.81	89.20	8.82	89.20	8.82
	115	62.30	5.91	72.43	7.34	76.73	8.54	77.30	8.91	77.55	8.93	77.70	8.94
	118	62.30	6.27	63.74	6.85	66.34	7.83	66.48	8.12	66.69	8.14	66.82	8.15
	122	53.58	5.71	54.81	6.23	57.05	7.12	57.17	7.39	57.36	7.41	57.47	7.42
	125	46.08	5.19	47.14	5.67	49.06	6.48	49.17	6.73	49.33	6.74	49.42	6.75
90	5	56.10	1.90	65.18	2.22	74.27	2.55	86.40	3.01	98.75	3.49	111.00	3.99
	14	56.10	1.94	65.18	2.26	74.27	2.60	86.40	3.07	98.75	3.56	111.00	4.07
	25	56.10	1.98	65.18	2.31	74.27	2.65	86.40	3.14	98.75	3.63	111.00	4.15
	30	56.10	2.03	65.18	2.36	74.27	2.71	86.40	3.20	98.75	3.72	111.00	4.25
	35	56.10	2.07	65.18	2.41	74.27	2.78	86.40	3.28	98.75	3.81	111.00	4.36
	40	56.10	2.11	65.18	2.46	74.27	2.84	86.40	3.36	98.75	3.90	111.00	4.47
	45	56.10	2.16	65.18	2.53	74.27	2.91	86.40	3.44	98.75	4.01	111.00	4.58
	50	56.10	2.21	65.18	2.59	74.27	2.98	86.40	3.52	98.75	4.11	111.00	4.69
	55	56.10	2.26	65.18	2.65	74.27	3.05	86.40	3.62	98.75	4.21	111.00	4.82
	60	56.10	2.31	65.18	2.71	74.27	3.13	86.40	3.72	98.75	4.32	111.00	4.95
	65	56.10	2.40	65.18	2.82	74.27	3.27	86.40	3.88	98.75	4.54	111.00	5.35
	70	56.10	2.43	65.18	2.86	74.27	3.30	86.40	4.03	98.75	4.88	110.00	5.70
	75	56.10	2.49	65.18	3.02	74.27	3.59	86.40	4.44	98.75	5.37	107.00	6.07
	80	56.10	2.72	65.18	3.31	74.27	3.94	86.40	4.86	98.75	5.90	105.50	6.42
	85	56.10	2.97	65.18	3.61	74.27	4.31	86.40	5.33	98.50	6.44	103.00	6.79
	90	56.10	3.23	65.18	3.94	74.27	4.70	86.40	5.82	97.43	6.93	100.50	7.16
	95	56.10	3.50	65.18	4.29	74.27	5.12	86.40	6.36	96.25	7.43	98.70	7.52
	100	56.10	3.81	65.18	4.66	74.27	5.58	86.40	6.95	94.31	7.82	96.58	7.89
	105	56.10	4.17	65.18	5.11	74.27	6.13	86.40	7.64	92.14	8.26	94.10	8.33
	110	56.10	4.63	65.18	5.69	74.27	6.84	86.40	8.54	89.20	8.82	89.20	8.82
	115	56.10	5.12	65.18	6.32	74.20	8.17	77.30	8.91	77.55	8.93	77.70	8.94
	118	56.10	5.43	63.74	6.55	64.56	7.54	66.48	8.12	66.69	8.14	66.82	8.15
	122	48.25	4.94	54.81	5.96	55.52	6.86	57.17	7.39	57.36	7.41	57.47	7.42
	125	41.49	4.50	47.14	5.42	47.75	6.24	49.17	6.73	49.33	6.74	49.42	6.75
80	5	49.80	1.70	57.90	1.97	66.00	2.25	76.80	2.64	87.60	3.06	98.40	3.49
	14	49.80	1.74	57.90	2.01	66.00	2.30	76.80	2.70	87.60	3.12	98.40	3.56
	25	49.80	1.77	57.90	2.05	66.00	2.34	76.80	2.75	87.60	3.18	98.40	3.63
	30	49.80	1.80	57.90	2.09	66.00	2.39	76.80	2.82	87.60	3.25	98.40	3.72
	35	49.80	1.84	57.90	2.14	66.00	2.44	76.80	2.88	87.60	3.33	98.40	3.81
	40	49.80	1.88	57.90	2.19	66.00	2.50	76.80	2.95	87.60	3.41	98.40	3.90
	45	49.80	1.92	57.90	2.24	66.00	2.56	76.80	3.02	87.60	3.50	98.40	4.00
	50	49.80	1.96	57.90	2.28	66.00	2.62	76.80	3.09	87.60	3.58	98.40	4.09
	55	49.80	2.01	57.90	2.34	66.00	2.68	76.80	3.17	87.60	3.68	98.40	4.21
	60	49.80	2.05	57.90	2.39	66.00	2.75	76.80	3.25	87.60	3.78	98.40	4.32
	65	49.80	2.12	57.90	2.49	66.00	2.87	76.80	3.38	87.60	3.93	98.40	4.53
	70	49.80	2.15	57.90	2.52	66.00	2.90	76.80	3.43	87.60	4.11	98.40	4.86
	75	49.80	2.21	57.90	2.62	66.00	3.07	76.80	3.76	87.60	4.52	98.40	5.36
	80	49.80	2.36	57.90	2.85	66.00	3.36	76.80	4.12	87.60	4.96	98.40	5.88
	85	49.80	2.57	57.90	3.10	66.00	3.67	76.80	4.51	87.60	5.44	98.40	6.45
	90	49.80	2.79	57.90	3.37	66.00	4.00	76.80	4.92	87.60	5.94	98.25	7.05
	95	49.80	3.03	57.90	3.67	66.00	4.35	76.80	5.36	87.60	6.49	96.40	7.45
	100	49.80	3.28	57.90	3.98	66.00	4.74	76.80	5.85	87.60	7.09	94.28	7.82
	105	49.80	3.59	57.90	4.36	66.00	5.20	76.80	6.43	87.57	7.80	92.14	8.26
	110	49.80	3.97	57.90	4.84	66.00	5.78	76.80	7.17	86.65	8.55	89.20	8.82
	115	49.80	4.40	57.90	5.38	66.00	6.42	76.80	7.98	77.55	8.93	77.70	8.94
	118	49.80	4.66	57.90	5.70	64.56	6.66	66.48	7.32	66.69	8.14	66.82	8.15
	122	42.83	4.24	49.80	5.18	55.52	6.06	57.17	6.66	57.36	7.41	57.47	7.42
	125	36.83	3.86	42.82	4.72	47.75	5.52	49.17	6.06	49.33	6.74	49.42	6.75

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	43.60	1.51	50.65	1.73	57.73	1.96	67.20	2.30	76.65	2.64	86.10	2.99
	14	43.60	1.54	50.65	1.77	57.73	2.00	67.20	2.34	76.65	2.69	86.10	3.06
	25	43.60	1.57	50.65	1.80	57.73	2.04	67.20	2.39	76.65	2.75	86.10	3.12
	30	43.60	1.60	50.65	1.84	57.73	2.08	67.20	2.44	76.65	2.81	86.10	3.19
	35	43.60	1.63	50.65	1.87	57.73	2.13	67.20	2.49	76.65	2.87	86.10	3.27
	40	43.60	1.66	50.65	1.91	57.73	2.18	67.20	2.54	76.65	2.94	86.10	3.34
	45	43.60	1.70	50.65	1.95	57.73	2.23	67.20	2.60	76.65	3.01	86.10	3.43
	50	43.60	1.73	50.65	2.00	57.73	2.28	67.20	2.66	76.65	3.08	86.10	3.51
	55	43.60	1.76	50.65	2.04	57.73	2.33	67.20	2.74	76.65	3.16	86.10	3.61
	60	43.60	1.80	50.65	2.09	57.73	2.39	67.20	2.81	76.65	3.24	86.10	3.70
	65	43.60	1.88	50.65	2.17	57.73	2.48	67.20	2.92	76.65	3.38	86.10	3.85
	70	43.60	1.88	50.65	2.19	57.73	2.50	67.20	2.96	76.65	3.43	86.10	4.01
	75	43.60	1.93	50.65	2.25	57.73	2.60	67.20	3.14	76.65	3.75	86.10	4.41
	80	43.60	2.03	50.65	2.42	57.73	2.83	67.20	3.44	76.65	4.11	86.10	4.84
	85	43.60	2.21	50.65	2.63	57.73	3.09	67.20	3.75	76.65	4.49	86.10	5.30
	90	43.60	2.39	50.65	2.86	57.73	3.35	67.20	4.09	76.65	4.90	86.10	5.79
	95	43.60	2.58	50.65	3.10	57.73	3.65	67.20	4.46	76.65	5.35	86.10	6.32
	100	43.60	2.80	50.65	3.36	57.73	3.96	67.20	4.84	76.65	5.83	86.10	6.91
	105	43.60	3.05	50.65	3.67	57.73	4.34	67.20	5.32	76.65	6.41	86.10	7.60
	110	43.60	3.37	50.65	4.07	57.73	4.82	67.20	5.91	76.65	7.15	86.10	8.49
	115	43.60	3.73	50.65	4.51	57.73	5.34	67.20	6.57	75.95	8.26	77.70	8.94
	118	43.60	3.95	50.65	4.78	57.73	5.66	60.48	6.27	66.69	7.69	66.82	8.15
	122	37.50	3.60	43.56	4.35	49.65	5.15	52.01	5.71	57.36	7.00	57.47	7.42
	125	32.25	3.27	37.46	3.96	42.70	4.69	44.73	5.19	49.33	6.37	49.42	6.75
60	5	37.40	1.32	43.48	1.51	49.50	1.69	57.60	1.96	65.70	2.24	73.80	2.53
	14	37.40	1.35	43.48	1.54	49.50	1.73	57.60	2.00	65.70	2.28	73.80	2.58
	25	37.40	1.38	43.48	1.57	49.50	1.76	57.60	2.04	65.70	2.33	73.80	2.64
	30	37.40	1.41	43.48	1.60	49.50	1.80	57.60	2.08	65.70	2.37	73.80	2.69
	35	37.40	1.43	43.48	1.63	49.50	1.83	57.60	2.12	65.70	2.43	73.80	2.75
	40	37.40	1.45	43.48	1.65	49.50	1.87	57.60	2.17	65.70	2.48	73.80	2.82
	45	37.40	1.48	43.48	1.69	49.50	1.91	57.60	2.22	65.70	2.54	73.80	2.89
	50	37.40	1.51	43.48	1.72	49.50	1.95	57.60	2.27	65.70	2.61	73.80	2.96
	55	37.40	1.54	43.48	1.76	49.50	1.99	57.60	2.32	65.70	2.67	73.80	3.03
	60	37.40	1.57	43.48	1.80	49.50	2.04	57.60	2.37	65.70	2.73	73.80	3.11
	65	37.40	1.62	43.48	1.86	49.50	2.11	57.60	2.48	65.70	2.85	73.80	3.24
	70	37.40	1.63	43.48	1.88	49.50	2.14	57.60	2.50	65.70	2.88	73.80	3.28
	75	37.40	1.67	43.48	1.93	49.50	2.19	57.60	2.58	65.70	3.05	73.80	3.55
	80	37.40	1.73	43.48	2.03	49.50	2.35	57.60	2.82	65.70	3.34	73.80	3.90
	85	37.40	1.87	43.48	2.20	49.50	2.55	57.60	3.07	65.70	3.64	73.80	4.26
	90	37.40	2.02	43.48	2.38	49.50	2.77	57.60	3.34	65.70	3.97	73.80	4.65
	95	37.40	2.18	43.48	2.58	49.50	3.00	57.60	3.63	65.70	4.32	73.80	5.06
	100	37.40	2.35	43.48	2.79	49.50	3.26	57.60	3.94	65.70	4.70	73.80	5.52
	105	37.40	2.56	43.48	3.05	49.50	3.56	57.60	4.32	65.70	5.16	73.80	6.07
	110	37.40	2.83	43.48	3.36	49.50	3.94	57.60	4.79	65.70	5.74	73.80	6.76
	115	37.40	3.11	43.48	3.72	49.50	4.37	57.60	5.32	65.70	6.37	73.80	7.52
	118	37.40	3.30	43.48	3.94	49.50	4.63	57.60	5.64	60.45	6.21	66.82	7.22
	122	32.16	3.00	37.39	3.59	42.57	4.21	49.54	5.13	51.98	5.65	57.47	6.57
	125	27.66	2.73	32.15	3.26	36.61	3.83	42.60	4.67	44.71	5.14	49.42	5.98
50	5	31.20	1.14	36.30	1.28	41.27	1.42	48.00	1.62	54.75	1.83	61.50	2.07
	14	31.20	1.16	36.30	1.31	41.27	1.45	48.00	1.66	54.75	1.87	61.50	2.11
	25	31.20	1.19	36.30	1.34	41.27	1.48	48.00	1.69	54.75	1.91	61.50	2.15
	30	31.20	1.22	36.30	1.36	41.27	1.51	48.00	1.71	54.75	1.94	61.50	2.20
	35	31.20	1.23	36.30	1.38	41.27	1.54	48.00	1.75	54.75	1.99	61.50	2.24
	40	31.20	1.24	36.30	1.40	41.27	1.56	48.00	1.79	54.75	2.03	61.50	2.29
	45	31.20	1.26	36.30	1.42	41.27	1.59	48.00	1.83	54.75	2.08	61.50	2.34
	50	31.20	1.29	36.30	1.45	41.27	1.62	48.00	1.87	54.75	2.13	61.50	2.40
	55	31.20	1.31	36.30	1.48	41.27	1.66	48.00	1.90	54.75	2.17	61.50	2.46
	60	31.20	1.34	36.30	1.51	41.27	1.69	48.00	1.94	54.75	2.23	61.50	2.52
	65	31.20	1.36	36.30	1.55	41.27	1.74	48.00	2.03	54.75	2.33	61.50	2.63
	70	31.20	1.38	36.30	1.57	41.27	1.78	48.00	2.05	54.75	2.33	61.50	2.55
	75	31.20	1.41	36.30	1.61	41.27	1.78	48.00	2.03	54.75	2.34	61.50	2.70
	80	31.20	1.43	36.30	1.64	41.27	1.87	48.00	2.20	54.75	2.56	61.50	2.96
	85	31.20	1.53	36.30	1.77	41.27	2.02	48.00	2.40	54.75	2.79	61.50	3.22
	90	31.20	1.64	36.30	1.91	41.27	2.19	48.00	2.59	54.75	3.03	61.50	3.50
	95	31.20	1.77	36.30	2.06	41.27	2.36	48.00	2.80	54.75	3.29	61.50	3.81
	100	31.20	1.91	36.30	2.22	41.27	2.55	48.00	3.05	54.75	3.56	61.50	4.14
	105	31.20	2.08	36.30	2.42	41.27	2.79	48.00	3.32	54.75	3.90	61.50	4.54
	110	31.20	2.28	36.30	2.66	41.27	3.07	48.00	3.67	54.75	4.33	61.50	5.02
	115	31.20	2.49	36.30	2.92	41.27	3.39	48.00	4.06	54.75	4.48	61.50	6.11
	118	31.20	2.64	36.30	3.10	41.27	3.59	48.00	4.30	54.75	4.75	61.50	6.47
	122	26.83	2.40	31.22	2.82	35.49	3.27	41.28	3.92	47.09	4.32	52.89	5.89
	125	23.08	2.19	26.85	2.57	30.52	2.97	35.50	3.56	40.49	3.93	45.49	5.36

Tc: Total Capacity

PI: Power Input

Table 52 — 38VMA120HDS5-1, 38VMA120HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	101.00	3.55	117.50	4.20	134.33	4.88	156.00	5.81	168.85	6.15	172.85	5.90
	14	101.00	3.62	117.50	4.29	134.33	4.98	156.00	5.93	168.85	6.28	172.85	6.02
	25	101.00	3.69	117.50	4.38	134.33	5.08	156.00	6.05	168.85	6.40	172.85	6.15
	30	101.00	3.78	117.50	4.48	134.33	5.20	156.00	6.20	166.00	6.36	170.00	6.10
	35	101.00	3.87	117.50	4.59	134.33	5.33	156.00	6.35	163.50	6.32	167.50	6.05
	40	101.00	3.96	117.50	4.70	134.33	5.46	156.00	6.50	161.00	6.27	165.00	6.00
	45	101.00	4.06	117.50	4.82	134.33	5.60	153.50	6.48	158.00	6.22	162.00	5.94
	50	101.00	4.15	117.50	4.94	134.33	5.74	151.00	6.46	155.00	6.17	159.00	5.89
	55	101.00	4.26	117.50	5.07	134.33	5.89	148.50	6.41	152.50	6.16	156.50	6.04
	60	101.00	4.38	117.50	5.21	134.33	6.05	146.00	6.47	150.00	6.44	154.00	6.51
	65	101.00	4.56	117.50	5.46	133.83	6.49	141.25	6.96	146.00	7.18	150.00	7.26
	70	101.00	4.67	117.50	5.80	132.33	6.88	140.00	7.29	144.00	7.37	148.00	7.45
	75	101.00	5.12	117.50	6.38	131.00	7.39	138.00	7.75	142.00	7.84	146.00	7.92
	80	101.00	5.62	117.50	7.01	128.66	7.92	134.50	8.21	138.87	8.31	143.25	8.40
	85	101.00	6.16	117.50	7.69	127.00	8.47	132.00	8.68	136.00	8.79	140.00	8.89
	90	101.00	6.72	117.50	8.38	125.33	9.03	129.50	9.15	133.50	9.26	137.50	9.36
	95	101.00	7.33	116.00	8.92	123.00	9.51	127.00	9.63	130.50	9.74	131.00	9.77
	100	101.00	8.00	113.37	9.44	119.50	9.99	124.00	10.09	124.75	10.10	124.75	10.10
	105	101.00	8.80	111.75	10.07	116.89	10.56	118.33	10.59	118.33	10.59	118.33	10.59
	110	101.00	9.82	108.50	10.80	111.00	11.13	111.00	11.13	111.00	11.13	112.00	11.13
	115	96.00	11.23	96.15	11.23	96.33	11.30	96.60	11.33	96.90	11.33	97.20	11.33
	118	82.56	10.24	82.69	10.24	82.84	10.30	83.07	10.33	83.33	10.33	83.59	10.33
	122	71.00	9.32	71.11	9.32	71.25	9.37	71.44	9.40	71.67	9.40	71.89	9.40
	125	61.06	8.48	61.16	8.48	61.27	8.53	61.44	8.55	61.63	8.55	61.82	8.55
120	5	93.40	3.25	108.85	3.84	124.00	4.45	144.00	5.30	162.92	6.10	169.85	6.08
	14	93.40	3.32	108.85	3.92	124.00	4.54	144.00	5.41	162.92	6.22	169.85	6.20
	25	93.40	3.39	108.85	4.00	124.00	4.63	144.00	5.52	162.92	6.35	169.85	6.33
	30	93.40	3.46	108.85	4.09	124.00	4.74	144.00	5.64	161.50	6.40	167.00	6.29
	35	93.40	3.54	108.85	4.19	124.00	4.86	144.00	5.79	159.75	6.42	164.50	6.24
	40	93.40	3.62	108.85	4.29	124.00	4.98	144.00	5.93	158.00	6.44	162.00	6.19
	45	93.40	3.71	108.85	4.40	124.00	5.10	144.00	6.08	155.50	6.40	159.00	6.14
	50	93.40	3.80	108.85	4.51	124.00	5.23	144.00	6.24	153.00	6.35	156.00	6.09
	55	93.40	3.90	108.85	4.63	124.00	5.37	144.00	6.40	149.87	6.30	153.50	6.10
	60	93.40	4.00	108.85	4.75	124.00	5.52	143.00	6.51	147.00	6.43	151.00	6.46
	65	93.40	4.17	108.85	4.96	124.00	5.83	139.00	6.80	143.00	7.09	147.00	7.20
	70	93.40	4.22	108.85	5.18	124.00	6.24	138.00	7.25	142.00	7.32	146.00	7.39
	75	93.40	4.59	108.85	5.68	124.00	6.87	135.00	7.71	139.00	7.78	143.00	7.86
	80	93.40	5.03	108.85	6.24	123.83	7.53	132.50	8.16	136.50	8.25	140.50	8.34
	85	93.40	5.50	108.85	6.83	122.66	8.13	130.00	8.63	134.00	8.72	137.50	8.81
	90	93.40	6.00	108.85	7.47	121.00	8.67	127.50	9.09	130.75	9.19	134.50	9.30
	95	93.40	6.54	108.85	8.15	119.33	9.22	124.00	9.61	128.00	9.69	131.00	9.77
	100	93.40	7.13	108.85	8.91	117.00	9.80	121.50	10.03	124.37	10.10	124.75	10.10
	105	93.40	7.83	108.35	9.72	115.33	10.45	118.00	10.59	118.33	10.59	118.33	10.59
	110	93.40	8.73	106.60	10.53	111.00	11.13	111.00	11.13	111.00	11.13	112.00	11.13
	115	93.40	9.72	95.50	10.85	96.33	11.30	96.60	11.33	96.90	11.33	97.20	11.33
	118	82.56	9.10	82.69	9.96	82.84	10.30	83.07	10.33	83.33	10.33	83.59	10.33
	122	71.00	8.28	71.11	9.06	71.25	9.37	71.44	9.40	71.67	9.40	71.89	9.40
	125	61.06	7.54	61.16	8.25	61.27	8.53	61.44	8.55	61.63	8.55	61.82	8.55
110	5	85.70	2.96	99.42	3.49	113.33	4.03	132.00	4.79	150.50	5.58	166.85	6.25
	14	85.70	3.02	99.42	3.56	113.33	4.12	132.00	4.89	150.50	5.69	166.85	6.38
	25	85.70	3.08	99.42	3.63	113.33	4.20	132.00	4.99	150.50	5.81	166.85	6.51
	30	85.70	3.15	99.42	3.71	113.33	4.29	132.00	5.10	150.50	5.95	164.00	6.47
	35	85.70	3.22	99.42	3.80	113.33	4.40	132.00	5.23	150.50	6.09	161.50	6.43
	40	85.70	3.30	99.42	3.89	113.33	4.51	132.00	5.35	150.50	6.24	159.00	6.39
	45	85.70	3.37	99.42	3.99	113.33	4.62	132.00	5.49	149.50	6.32	156.50	6.34
	50	85.70	3.45	99.42	4.08	113.33	4.73	132.00	5.63	148.50	6.40	154.00	6.29
	55	85.70	3.54	99.42	4.19	113.33	4.86	132.00	5.79	147.12	6.45	150.50	6.24
	60	85.70	3.63	99.42	4.30	113.33	4.99	132.00	5.94	144.75	6.50	148.00	6.41
	65	85.70	3.78	99.42	4.49	113.33	5.21	132.00	6.34	140.12	6.88	144.00	7.15
	70	85.70	3.83	99.42	4.60	113.33	5.50	132.00	6.85	139.00	7.27	143.00	7.34
	75	85.70	4.08	99.42	5.03	113.33	6.05	132.00	7.55	136.50	7.73	140.00	7.80
	80	85.70	4.47	99.42	5.51	113.33	6.63	130.50	8.11	133.87	8.19	137.50	8.27
	85	85.70	4.88	99.42	6.03	113.33	7.27	128.00	8.58	131.00	8.66	135.00	8.74
	90	85.70	5.32	99.42	6.59	113.33	7.95	124.75	9.03	128.50	9.13	131.75	9.22
	95	85.70	5.80	99.42	7.19	113.33	8.69	122.00	9.58	126.00	9.64	129.00	9.70
	100	85.70	6.31	99.42	7.84	112.33	9.37	119.50	9.96	122.87	10.06	124.75	10.10
	105	85.70	6.92	99.42	8.62	110.89	10.04	116.66	10.49	118.33	10.59	118.33	10.59
	110	85.70	7.71	99.42	9.60	108.66	10.83	111.00	11.13	111.00	11.13	112.00	11.13
	115	85.70	8.57	93.57	10.57	96.33	11.30	96.60	11.33	96.90	11.33	97.20	11.33
	118	82.56	8.75	82.69	9.90	82.84	10.30	83.07	10.33	83.33	10.33	83.59	10.33
	122	71.00	7.97	71.11	9.01	71.25	9.37	71.44	9.40	71.67	9.40	71.89	9.40
	125	61.06	7.25	61.16	8.19	61.27	8.53	61.44	8.55	61.63	8.55	61.82	8.55

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	77.90	2.69	90.50	3.15	102.90	3.63	120.00	4.29	137.00	5.00	154.00	5.71
	14	77.90	2.74	90.50	3.21	102.90	3.70	120.00	4.38	137.00	5.10	154.00	5.83
	25	77.90	2.80	90.50	3.28	102.90	3.78	120.00	4.47	137.00	5.20	154.00	5.95
	30	77.90	2.86	90.50	3.35	102.90	3.86	120.00	4.57	137.00	5.32	154.00	6.09
	35	77.90	2.92	90.50	3.43	102.90	3.95	120.00	4.69	137.00	5.45	154.00	6.24
	40	77.90	2.98	90.50	3.50	102.90	4.05	120.00	4.80	137.00	5.58	154.00	6.39
	45	77.90	3.05	90.50	3.59	102.90	4.15	120.00	4.92	137.00	5.73	152.50	6.44
	50	77.90	3.12	90.50	3.67	102.90	4.25	120.00	5.04	137.00	5.88	151.00	6.49
	55	77.90	3.19	90.50	3.76	102.90	4.36	120.00	5.18	137.00	6.03	148.25	6.44
	60	77.90	3.27	90.50	3.86	102.90	4.47	120.00	5.32	137.00	6.19	145.00	6.48
	65	77.90	3.41	90.50	4.02	102.90	4.66	120.00	5.55	136.62	6.64	141.00	6.92
	70	77.90	3.45	90.50	4.07	102.90	4.81	120.00	5.95	135.00	7.07	140.00	7.28
	75	77.90	3.61	90.50	4.41	102.90	5.27	120.00	6.55	134.00	7.64	137.00	7.74
	80	77.90	3.94	90.50	4.83	102.90	5.78	120.00	7.19	131.37	8.14	134.50	8.20
	85	77.90	4.30	90.50	5.28	102.90	6.33	120.00	7.89	128.50	8.60	132.00	8.67
	90	77.90	4.68	90.50	5.76	102.90	6.92	120.00	8.63	126.00	9.06	128.75	9.14
	95	77.90	5.09	90.50	6.27	102.90	7.55	120.00	9.55	123.00	9.58	126.00	9.62
	100	77.90	5.54	90.50	6.83	102.90	8.24	117.50	9.89	120.50	9.99	123.25	10.08
	105	77.90	6.08	90.50	7.51	102.90	9.07	114.66	10.46	117.33	10.54	118.33	10.59
	110	77.90	6.76	90.50	8.37	102.90	10.12	111.00	11.13	111.00	11.13	112.00	11.13
	115	77.90	7.50	90.50	9.31	95.83	10.86	96.60	11.33	96.90	11.33	97.20	11.33
	118	77.90	7.95	79.64	8.69	82.84	9.95	83.07	10.33	83.33	10.33	83.59	10.33
	122	66.99	7.23	68.49	7.90	71.25	9.05	71.44	9.40	71.67	9.40	71.89	9.40
	125	57.61	6.58	58.90	7.19	61.27	8.24	61.44	8.55	61.63	8.55	61.82	8.55
90	5	70.10	2.42	81.42	2.82	92.80	3.23	108.00	3.81	123.00	4.42	138.00	5.06
	14	70.10	2.47	81.42	2.88	92.80	3.30	108.00	3.89	123.00	4.51	138.00	5.16
	25	70.10	2.52	81.42	2.93	92.80	3.36	108.00	3.97	123.00	4.61	138.00	5.27
	30	70.10	2.57	81.42	3.00	92.80	3.44	108.00	4.06	123.00	4.72	138.00	5.39
	35	70.10	2.62	81.42	3.06	92.80	3.52	108.00	4.16	123.00	4.83	138.00	5.52
	40	70.10	2.68	81.42	3.13	92.80	3.60	108.00	4.26	123.00	4.95	138.00	5.65
	45	70.10	2.74	81.42	3.20	92.80	3.69	108.00	4.37	123.00	5.07	138.00	5.80
	50	70.10	2.80	81.42	3.28	92.80	3.77	108.00	4.47	123.00	5.20	138.00	5.95
	55	70.10	2.86	81.42	3.35	92.80	3.87	108.00	4.59	123.00	5.34	138.00	6.11
	60	70.10	2.93	81.42	3.44	92.80	3.97	108.00	4.71	123.00	5.48	138.00	6.27
	65	70.10	3.05	81.42	3.58	92.80	4.13	108.00	4.91	123.00	5.76	138.00	6.77
	70	70.10	3.08	81.42	3.63	92.80	4.19	108.00	5.11	123.00	6.19	137.00	7.23
	75	70.10	3.17	81.42	3.84	92.80	4.56	108.00	5.61	123.00	6.81	134.00	7.68
	80	70.10	3.45	81.42	4.19	92.80	4.99	108.00	6.17	123.00	7.48	131.50	8.14
	85	70.10	3.76	81.42	4.58	92.80	5.46	108.00	6.75	122.75	8.16	129.00	8.60
	90	70.10	4.09	81.42	4.99	92.80	5.95	108.00	7.38	121.37	8.79	126.50	9.07
	95	70.10	4.44	81.42	5.43	92.80	6.49	108.00	8.06	120.00	9.42	123.00	9.53
	100	70.10	4.82	81.42	5.91	92.80	7.08	108.00	8.80	118.00	9.91	120.50	10.01
	105	70.10	5.28	81.42	6.48	92.80	7.78	108.00	9.69	115.16	10.48	117.66	10.59
	110	70.10	5.87	81.42	7.21	92.80	8.66	108.00	10.83	111.00	11.13	112.00	11.13
	115	70.10	6.50	81.42	8.01	92.66	10.39	96.60	11.33	96.90	11.33	97.20	11.33
	118	70.10	6.89	79.64	8.30	80.62	9.58	83.07	10.33	83.33	10.33	83.59	10.33
	122	60.28	6.27	68.49	7.56	69.33	8.72	71.44	9.40	71.67	9.40	71.89	9.40
	125	51.84	5.70	58.90	6.88	59.62	7.93	61.44	8.55	61.63	8.55	61.82	8.55
80	5	62.30	2.16	72.42	2.50	82.53	2.85	96.00	3.35	109.50	3.87	123.00	4.41
	14	62.30	2.21	72.42	2.55	82.53	2.91	96.00	3.42	109.50	3.95	123.00	4.50
	25	62.30	2.25	72.42	2.60	82.53	2.97	96.00	3.49	109.50	4.03	123.00	4.59
	30	62.30	2.29	72.42	2.65	82.53	3.03	96.00	3.56	109.50	4.13	123.00	4.70
	35	62.30	2.34	72.42	2.71	82.53	3.10	96.00	3.64	109.50	4.22	123.00	4.82
	40	62.30	2.39	72.42	2.77	82.53	3.17	96.00	3.73	109.50	4.32	123.00	4.93
	45	62.30	2.44	72.42	2.83	82.53	3.24	96.00	3.82	109.50	4.43	123.00	5.06
	50	62.30	2.49	72.42	2.89	82.53	3.32	96.00	3.92	109.50	4.54	123.00	5.19
	55	62.30	2.54	72.42	2.96	82.53	3.40	96.00	4.01	109.50	4.66	123.00	5.33
	60	62.30	2.60	72.42	3.03	82.53	3.49	96.00	4.12	109.50	4.79	123.00	5.47
	65	62.30	2.70	72.42	3.16	82.53	3.64	96.00	4.29	109.50	5.00	123.00	5.74
	70	62.30	2.73	72.42	3.19	82.53	3.68	96.00	4.35	109.50	5.21	123.00	6.17
	75	62.30	2.80	72.42	3.32	82.53	3.90	96.00	4.76	109.50	5.73	123.00	6.79
	80	62.30	3.00	72.42	3.61	82.53	4.26	96.00	5.22	109.50	6.29	123.00	7.46
	85	62.30	3.26	72.42	3.93	82.53	4.65	96.00	5.71	109.50	6.89	123.00	8.18
	90	62.30	3.54	72.42	4.28	82.53	5.07	96.00	6.23	109.50	7.53	123.00	8.93
	95	62.30	3.84	72.42	4.64	82.53	5.51	96.00	6.80	109.50	8.23	121.00	9.45
	100	62.30	4.16	72.42	5.05	82.53	6.00	96.00	7.41	109.50	8.99	117.50	9.93
	105	62.30	4.54	72.42	5.53	82.53	6.59	96.00	8.15	109.50	9.88	115.33	10.49
	110	62.30	5.03	72.42	6.14	82.53	7.33	96.00	9.08	108.50	10.83	112.00	11.13
	115	62.30	5.57	72.42	6.81	82.53	8.14	96.00	10.13	96.90	11.33	97.20	11.33
	118	62.30	5.91	72.42	7.22	80.62	8.43	83.07	9.29	83.33	10.33	83.59	10.33
	122	53.58	5.38	62.28	6.57	69.33	7.67	71.44	8.45	71.67	9.40	71.89	9.40
	125	46.08	4.89	53.56	5.98	59.62	6.98	61.44	7.69	61.63	8.55	61.82	8.55

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	54.50	1.91	63.35	2.19	72.23	2.49	84.00	2.90	95.75	3.34	108.00	3.80
	14	54.50	1.95	63.35	2.24	72.23	2.54	84.00	2.96	95.75	3.41	108.00	3.88
	25	54.50	1.99	63.35	2.28	72.23	2.59	84.00	3.02	95.75	3.48	108.00	3.95
	30	54.50	2.03	63.35	2.33	72.23	2.64	84.00	3.09	95.75	3.56	108.00	4.04
	35	54.50	2.07	63.35	2.38	72.23	2.70	84.00	3.16	95.75	3.64	108.00	4.14
	40	54.50	2.11	63.35	2.43	72.23	2.76	84.00	3.23	95.75	3.72	108.00	4.24
	45	54.50	2.15	63.35	2.48	72.23	2.82	84.00	3.30	95.75	3.81	108.00	4.35
	50	54.50	2.19	63.35	2.53	72.23	2.89	84.00	3.38	95.75	3.91	108.00	4.45
	55	54.50	2.24	63.35	2.58	72.23	2.95	84.00	3.47	95.75	4.01	108.00	4.57
	60	54.50	2.29	63.35	2.65	72.23	3.02	84.00	3.55	95.75	4.11	108.00	4.69
	65	54.50	2.37	63.35	2.75	72.23	3.14	84.00	3.70	95.75	4.29	108.00	4.89
	70	54.50	2.39	63.35	2.78	72.23	3.18	84.00	3.74	95.75	4.35	108.00	5.08
	75	54.50	2.45	63.35	2.84	72.23	3.29	84.00	3.98	95.75	4.75	108.00	5.58
	80	54.50	2.57	63.35	3.06	72.23	3.59	84.00	4.36	95.75	5.21	108.00	6.13
	85	54.50	2.80	63.35	3.33	72.23	3.91	84.00	4.76	95.75	5.69	108.00	6.72
	90	54.50	3.03	63.35	3.62	72.23	4.26	84.00	5.19	95.75	6.21	108.00	7.34
	95	54.50	3.28	63.35	3.93	72.23	4.62	84.00	5.64	95.75	6.78	108.00	8.01
	100	54.50	3.54	63.35	4.26	72.23	5.02	84.00	6.14	95.75	7.39	108.00	8.75
	105	54.50	3.86	63.35	4.65	72.23	5.50	84.00	6.74	95.75	8.13	108.00	9.64
	110	54.50	4.28	63.35	5.16	72.23	6.11	84.00	7.50	95.75	9.06	108.00	10.73
	115	54.50	4.72	63.35	5.71	72.23	6.77	84.00	8.33	94.90	10.48	97.20	11.33
	118	54.50	5.01	63.35	6.05	72.23	7.18	75.60	7.95	83.33	9.75	83.59	10.33
	122	46.87	4.56	54.48	5.51	62.12	6.53	65.01	7.23	71.67	8.87	71.89	9.40
	125	40.31	4.15	46.85	5.01	53.42	5.94	55.91	6.58	61.63	8.08	61.82	8.55
60	5	46.70	1.68	54.27	1.91	61.87	2.15	72.00	2.48	82.10	2.84	92.20	3.21
	14	46.70	1.71	54.27	1.95	61.87	2.19	72.00	2.53	82.10	2.89	92.20	3.27
	25	46.70	1.75	54.27	1.99	61.87	2.24	72.00	2.59	82.10	2.95	92.20	3.34
	30	46.70	1.77	54.27	2.02	61.87	2.28	72.00	2.64	82.10	3.01	92.20	3.41
	35	46.70	1.81	54.27	2.06	61.87	2.32	72.00	2.69	82.10	3.08	92.20	3.49
	40	46.70	1.84	54.27	2.10	61.87	2.37	72.00	2.75	82.10	3.15	92.20	3.57
	45	46.70	1.88	54.27	2.14	61.87	2.42	72.00	2.81	82.10	3.22	92.20	3.65
	50	46.70	1.91	54.27	2.19	61.87	2.47	72.00	2.88	82.10	3.30	92.20	3.74
	55	46.70	1.95	54.27	2.23	61.87	2.53	72.00	2.94	82.10	3.38	92.20	3.84
	60	46.70	1.99	54.27	2.28	61.87	2.59	72.00	3.01	82.10	3.47	92.20	3.94
	65	46.70	2.05	54.27	2.36	61.87	2.68	72.00	3.13	82.10	3.61	92.20	4.11
	70	46.70	2.08	54.27	2.38	61.87	2.71	72.00	3.17	82.10	3.65	92.20	4.15
	75	46.70	2.12	54.27	2.44	61.87	2.78	72.00	3.27	82.10	3.87	92.20	4.51
	80	46.70	2.19	54.27	2.57	61.87	2.98	72.00	3.57	82.10	4.23	92.20	4.94
	85	46.70	2.37	54.27	2.79	61.87	3.24	72.00	3.89	82.10	4.61	92.20	5.40
	90	46.70	2.56	54.27	3.02	61.87	3.52	72.00	4.23	82.10	5.03	92.20	5.89
	95	46.70	2.77	54.27	3.27	61.87	3.81	72.00	4.60	82.10	5.47	92.20	6.42
	100	46.70	2.98	54.27	3.54	61.87	4.13	72.00	5.00	82.10	5.95	92.20	7.00
	105	46.70	3.25	54.27	3.86	61.87	4.51	72.00	5.47	82.10	6.54	92.20	7.69
	110	46.70	3.58	54.27	4.26	61.87	5.00	72.00	6.08	82.10	7.27	92.20	8.57
	115	46.70	3.94	54.27	4.71	61.87	5.53	72.00	6.74	82.10	8.08	92.20	9.53
	118	46.70	4.18	54.27	5.00	61.87	5.87	72.00	7.14	75.53	7.88	83.59	9.16
	122	40.16	3.80	46.68	4.55	53.20	5.34	61.92	6.50	64.96	7.17	71.89	8.34
	125	34.54	3.46	40.14	4.14	45.76	4.86	53.25	5.91	55.86	6.52	61.82	7.59
50	5	38.90	1.44	45.20	1.63	51.50	1.81	60.00	2.06	68.45	2.33	76.40	2.61
	14	38.90	1.47	45.20	1.66	51.50	1.85	60.00	2.11	68.45	2.38	76.40	2.67
	25	38.90	1.50	45.20	1.69	51.50	1.88	60.00	2.15	68.45	2.43	76.40	2.72
	30	38.90	1.52	45.20	1.72	51.50	1.92	60.00	2.19	68.45	2.47	76.40	2.78
	35	38.90	1.55	45.20	1.75	51.50	1.95	60.00	2.23	68.45	2.52	76.40	2.84
	40	38.90	1.58	45.20	1.77	51.50	1.98	60.00	2.27	68.45	2.57	76.40	2.90
	45	38.90	1.61	45.20	1.81	51.50	2.01	60.00	2.32	68.45	2.63	76.40	2.96
	50	38.90	1.64	45.20	1.84	51.50	2.05	60.00	2.38	68.45	2.69	76.40	3.03
	55	38.90	1.65	45.20	1.88	51.50	2.11	60.00	2.42	68.45	2.76	76.40	3.11
	60	38.90	1.69	45.20	1.91	51.50	2.15	60.00	2.47	68.45	2.82	76.40	3.19
	65	38.90	1.73	45.20	1.97	51.50	2.22	60.00	2.55	68.45	2.94	76.40	3.32
	70	38.90	1.76	45.20	1.99	51.50	2.23	60.00	2.60	68.45	2.96	76.40	3.22
	75	38.90	1.78	45.20	2.03	51.50	2.27	60.00	2.56	68.45	2.98	76.40	3.44
	80	38.90	1.81	45.20	2.07	51.50	2.37	60.00	2.78	68.45	3.24	76.40	3.75
	85	38.90	1.95	45.20	2.25	51.50	2.57	60.00	3.02	68.45	3.54	76.40	4.08
	90	38.90	2.09	45.20	2.43	51.50	2.78	60.00	3.28	68.45	3.84	76.40	4.44
	95	38.90	2.26	45.20	2.62	51.50	3.00	60.00	3.56	68.45	4.17	76.40	4.82
	100	38.90	2.42	45.20	2.81	51.50	3.24	60.00	3.85	68.45	4.52	76.40	5.25
	105	38.90	2.63	45.20	3.06	51.50	3.52	60.00	4.20	68.45	4.94	76.40	5.74
	110	38.90	2.88	45.20	3.37	51.50	3.89	60.00	4.65	68.45	5.48	76.40	6.42
	115	38.90	3.16	45.20	3.72	51.50	4.30	60.00	5.14	68.45	5.67	76.40	7.74
	118	38.90	3.35	45.20	3.95	51.50	4.56	60.00	5.45	68.45	6.02	76.40	8.20
	122	33.45	3.05	38.87	3.59	44.29	4.15	51.60	4.96	58.87	5.47	65.70	7.47
	125	28.77	2.77	33.43	3.27	38.09	3.77	44.37	4.51	50.62	4.98	56.50	6.79

Tc: Total Capacity

PI: Power Input

Table 53 —38VMA144HDS5-1, 38VMA144HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	121.20	4.63	141.00	5.48	160.80	6.38	187.20	7.61	202.62	8.04	207.42	7.69
	14	121.20	4.73	141.00	5.59	160.80	6.51	187.20	7.76	202.62	8.21	207.42	7.85
	25	121.20	4.82	141.00	5.71	160.80	6.64	187.20	7.92	202.62	8.38	207.42	8.01
	30	121.20	4.93	141.00	5.85	160.80	6.80	187.20	8.08	199.20	8.34	204.00	7.97
	35	121.20	5.05	141.00	5.99	160.80	6.96	187.20	8.28	195.90	8.27	201.00	7.91
	40	121.20	5.17	141.00	6.12	160.80	7.12	187.20	8.48	192.60	8.19	198.00	7.86
	45	121.20	5.30	141.00	6.28	160.80	7.31	184.20	8.45	189.45	8.12	194.70	7.77
	50	121.20	5.43	141.00	6.44	160.80	7.50	181.20	8.42	186.30	8.05	191.40	7.69
	55	121.20	5.57	141.00	6.63	160.80	7.70	178.20	8.35	183.00	8.04	187.80	7.87
	60	121.20	5.71	141.00	6.79	160.80	7.90	174.90	8.45	179.85	8.41	184.80	8.51
	65	121.20	5.93	141.00	7.13	160.80	8.48	169.35	9.14	174.45	9.37	179.55	9.48
	70	121.20	6.10	141.00	7.59	158.80	8.99	168.60	9.49	173.40	9.64	178.20	9.72
	75	121.20	6.67	141.00	8.32	156.80	9.66	165.00	10.12	169.80	10.26	175.20	10.34
	80	121.20	7.36	141.00	9.14	154.70	10.34	161.85	10.74	166.80	10.84	171.60	10.98
	85	121.20	8.02	141.00	10.02	152.40	11.06	158.40	11.33	163.50	11.47	168.60	11.61
	90	121.20	8.77	141.00	10.95	150.40	11.79	155.40	11.97	160.20	12.11	165.15	12.25
	95	121.20	9.55	138.75	11.63	147.00	12.40	151.80	12.55	156.90	12.72	157.80	12.77
	100	121.20	10.47	136.38	12.33	143.95	13.03	148.20	13.17	149.70	13.21	149.70	13.21
	105	121.20	11.51	133.80	13.13	140.00	13.75	141.40	13.81	142.00	13.81	142.00	13.81
	110	121.20	12.83	130.65	14.14	133.80	14.58	133.80	14.58	133.80	14.58	133.80	14.58
	115	115.20	14.69	115.20	14.69	115.60	14.73	115.80	14.75	116.40	14.78	116.40	14.81
	118	99.07	13.39	99.07	13.39	99.41	13.43	99.59	13.45	100.10	13.47	100.10	13.50
	122	85.20	12.19	85.20	12.19	85.50	12.22	85.64	12.24	86.09	12.26	86.09	12.28
	125	73.27	11.09	73.27	11.09	73.53	11.12	73.65	11.13	74.04	11.16	74.04	11.18
120	5	112.20	4.25	130.20	5.02	148.60	5.82	172.80	6.90	195.81	7.97	204.00	7.95
	14	112.20	4.34	130.20	5.12	148.60	5.93	172.80	7.04	195.81	8.14	204.00	8.11
	25	112.20	4.42	130.20	5.23	148.60	6.06	172.80	7.19	195.81	8.30	204.00	8.28
	30	112.20	4.52	130.20	5.34	148.60	6.21	172.80	7.35	194.10	8.36	201.00	8.19
	35	112.20	4.63	130.20	5.47	148.60	6.34	172.80	7.54	191.85	8.38	197.70	8.14
	40	112.20	4.73	130.20	5.59	148.60	6.48	172.80	7.74	189.60	8.39	194.40	8.08
	45	112.20	4.85	130.20	5.75	148.60	6.67	172.80	7.94	186.30	8.34	191.10	8.02
	50	112.20	4.96	130.20	5.90	148.60	6.86	172.80	8.14	183.00	8.28	187.80	7.97
	55	112.20	5.09	130.20	6.04	148.60	7.01	172.80	8.35	180.00	8.22	184.65	7.98
	60	112.20	5.22	130.20	6.20	148.60	7.21	171.90	8.51	176.70	8.41	181.20	8.45
	65	112.20	5.44	130.20	6.48	148.60	7.62	167.40	8.92	171.15	9.23	176.40	9.42
	70	112.20	5.50	130.20	6.76	148.60	8.16	165.60	9.44	170.40	9.58	174.60	9.66
	75	112.20	5.99	130.20	7.43	148.60	8.97	162.60	10.06	166.80	10.14	171.60	10.29
	80	112.20	6.57	130.20	8.16	148.40	9.84	159.00	10.68	163.72	10.78	168.00	10.86
	85	112.20	7.21	130.20	8.92	147.00	10.62	156.00	11.27	160.35	11.39	165.00	11.50
	90	112.20	7.84	130.20	9.75	145.00	11.33	152.55	11.87	157.20	12.00	161.55	12.14
	95	112.20	8.53	130.20	10.65	142.60	12.04	149.40	12.49	153.90	12.63	157.80	12.77
	100	112.20	9.31	130.20	11.64	140.60	12.81	146.25	13.11	149.25	13.21	149.70	13.21
	105	112.20	10.23	129.90	12.72	138.20	13.66	141.20	13.79	142.00	13.81	142.00	13.81
	110	112.20	11.42	127.50	13.79	133.40	14.58	133.80	14.58	133.80	14.58	133.80	14.58
	115	112.20	12.72	114.45	14.20	115.60	14.73	115.80	14.75	116.40	14.78	116.40	14.81
	118	99.07	11.90	99.07	13.03	99.41	13.43	99.59	13.45	100.10	13.47	100.10	13.50
	122	85.20	10.83	85.20	11.86	85.50	12.22	85.64	12.24	86.09	12.26	86.09	12.28
	125	73.27	9.86	73.27	10.79	73.53	11.12	73.65	11.13	74.04	11.16	74.04	11.18
110	5	102.60	3.87	119.25	4.56	136.00	5.28	158.40	6.25	180.60	7.28	200.40	8.16
	14	102.60	3.95	119.25	4.65	136.00	5.39	158.40	6.38	180.60	7.43	200.40	8.33
	25	102.60	4.03	119.25	4.74	136.00	5.50	158.40	6.51	180.60	7.58	200.40	8.50
	30	102.60	4.11	119.25	4.85	136.00	5.62	158.40	6.67	180.60	7.74	197.40	8.42
	35	102.60	4.21	119.25	4.96	136.00	5.75	158.40	6.84	180.60	7.94	194.10	8.36
	40	102.60	4.30	119.25	5.08	136.00	5.88	158.40	7.01	180.60	8.14	190.80	8.31
	45	102.60	4.41	119.25	5.20	136.00	6.02	158.40	7.18	179.40	8.24	187.50	8.25
	50	102.60	4.51	119.25	5.33	136.00	6.16	158.40	7.35	178.20	8.34	184.20	8.19
	55	102.60	4.62	119.25	5.46	136.00	6.34	158.40	7.56	176.47	8.43	181.05	8.14
	60	102.60	4.74	119.25	5.61	136.00	6.51	158.40	7.77	173.55	8.49	177.60	8.36
	65	102.60	4.94	119.25	5.89	136.00	6.83	158.40	8.28	168.37	8.96	172.80	9.31
	70	102.60	5.00	119.25	6.00	136.00	7.16	158.40	8.93	167.10	9.49	171.00	9.61
	75	102.60	5.33	119.25	6.55	136.00	7.89	158.40	9.83	163.80	10.09	168.00	10.17
	80	102.60	5.82	119.25	7.20	136.00	8.66	156.60	10.58	160.72	10.71	164.85	10.81
	85	102.60	6.39	119.25	7.87	136.00	9.48	153.30	11.19	157.35	11.30	161.40	11.42
	90	102.60	6.95	119.25	8.60	136.00	10.38	150.00	11.80	154.20	11.94	158.40	12.02
	95	102.60	7.57	119.25	9.40	136.00	11.36	146.40	12.38	150.90	12.52	154.80	12.66
	100	102.60	8.22	119.25	10.21	135.20	12.23	143.40	13.01	147.37	13.15	149.70	13.21
	105	102.60	9.02	119.25	11.26	132.93	13.10	140.40	13.77	141.90	13.81	142.00	13.81
	110	102.60	10.06	119.25	12.56	130.80	14.18	133.80	14.58	133.80	14.58	133.80	14.58
	115	102.60	11.19	112.05	13.82	115.60	14.73	115.80	14.75	116.40	14.78	116.40	14.81
	118	99.07	11.45	99.07	12.95	99.41	13.43	99.59	13.45	100.10	13.47	100.10	13.50
	122	85.20	10.42	85.20	11.78	85.50	12.22	85.64	12.24	86.09	12.26	86.09	12.28
	125	73.27	9.48	73.27	10.72	73.53	11.12	73.65	11.13	74.04	11.16	74.04	11.18

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	93.60	3.51	108.45	4.11	123.80	4.73	144.00	5.60	164.10	6.52	184.20	7.46
	14	93.60	3.58	108.45	4.19	123.80	4.83	144.00	5.71	164.10	6.65	184.20	7.61
	25	93.60	3.65	108.45	4.28	123.80	4.93	144.00	5.83	164.10	6.79	184.20	7.77
	30	93.60	3.72	108.45	4.37	123.80	5.04	144.00	5.99	164.10	6.95	184.20	7.97
	35	93.60	3.81	108.45	4.47	123.80	5.16	144.00	6.13	164.10	7.12	184.20	8.17
	40	93.60	3.89	108.45	4.57	123.80	5.28	144.00	6.27	164.10	7.29	184.20	8.36
	45	93.60	3.98	108.45	4.68	123.80	5.42	144.00	6.44	164.10	7.49	182.40	8.42
	50	93.60	4.07	108.45	4.80	123.80	5.56	144.00	6.61	164.10	7.69	180.60	8.48
	55	93.60	4.17	108.45	4.92	123.80	5.70	144.00	6.77	164.10	7.90	177.60	8.41
	60	93.60	4.28	108.45	5.04	123.80	5.84	144.00	6.95	164.10	8.11	174.30	8.45
	65	93.60	4.45	108.45	5.26	123.80	6.09	144.00	7.22	163.42	8.66	168.75	9.04
	70	93.60	4.50	108.45	5.32	123.80	6.27	144.00	7.74	162.00	9.21	168.00	9.49
	75	93.60	4.71	108.45	5.76	123.80	6.89	144.00	8.53	160.50	10.00	164.40	10.12
	80	93.60	5.15	108.45	6.30	123.80	7.56	144.00	9.40	157.50	10.61	161.40	10.70
	85	93.60	5.62	108.45	6.89	123.80	8.26	144.00	10.31	154.35	11.22	158.10	11.33
	90	93.60	6.12	108.45	7.53	123.80	9.03	144.00	11.27	150.97	11.83	154.80	11.92
	95	93.60	6.67	108.45	8.19	123.80	9.87	144.00	12.32	147.90	12.46	151.80	12.55
	100	93.60	7.25	108.45	8.93	123.80	10.76	140.85	12.94	144.52	13.04	147.90	13.17
	105	93.60	7.93	108.45	9.82	123.80	11.85	137.40	13.66	140.90	13.78	142.00	13.81
	110	93.60	8.82	108.45	10.94	123.80	13.22	133.80	14.58	133.80	14.58	133.80	14.58
	115	93.60	9.78	108.45	12.15	115.00	14.15	115.80	14.75	116.40	14.78	116.40	14.81
	118	93.60	10.36	95.43	11.33	99.41	12.96	99.59	13.45	100.10	13.47	100.10	13.50
	122	80.49	9.43	82.07	10.31	85.50	11.80	85.64	12.24	86.09	12.26	86.09	12.28
	125	69.23	8.58	70.58	9.39	73.53	10.74	73.65	11.13	74.04	11.16	74.04	11.18
90	5	84.00	3.16	97.50	3.68	111.20	4.22	129.60	4.98	147.90	5.78	166.20	6.63
	14	84.00	3.22	97.50	3.75	111.20	4.30	129.60	5.08	147.90	5.90	166.20	6.76
	25	84.00	3.29	97.50	3.83	111.20	4.39	129.60	5.18	147.90	6.02	166.20	6.90
	30	84.00	3.35	97.50	3.91	111.20	4.49	129.60	5.30	147.90	6.16	166.20	7.06
	35	84.00	3.42	97.50	4.00	111.20	4.59	129.60	5.43	147.90	6.30	166.20	7.23
	40	84.00	3.49	97.50	4.09	111.20	4.70	129.60	5.56	147.90	6.44	166.20	7.40
	45	84.00	3.57	97.50	4.18	111.20	4.81	129.60	5.69	147.90	6.61	166.20	7.57
	50	84.00	3.65	97.50	4.28	111.20	4.93	129.60	5.82	147.90	6.78	166.20	7.74
	55	84.00	3.74	97.50	4.38	111.20	5.05	129.60	5.98	147.90	6.97	166.20	7.95
	60	84.00	3.82	97.50	4.49	111.20	5.19	129.60	6.16	147.90	7.16	166.20	8.17
	65	84.00	3.97	97.50	4.68	111.20	5.40	129.60	6.39	147.90	7.51	166.20	8.84
	70	84.00	4.02	97.50	4.73	111.20	5.46	129.60	6.67	147.90	8.05	164.40	9.44
	75	84.00	4.13	97.50	5.01	111.20	5.95	129.60	7.35	147.90	8.87	161.40	10.06
	80	84.00	4.51	97.50	5.48	111.20	6.50	129.60	8.05	147.90	9.76	157.80	10.64
	85	84.00	4.91	97.50	5.98	111.20	7.12	129.60	8.82	147.45	10.65	154.80	11.25
	90	84.00	5.34	97.50	6.51	111.20	7.78	129.60	9.66	146.10	11.46	151.35	11.85
	95	84.00	5.82	97.50	7.09	111.20	8.46	129.60	10.51	144.60	12.29	148.20	12.43
	100	84.00	6.32	97.50	7.70	111.20	9.24	129.60	11.50	141.30	12.93	145.05	13.07
	105	84.00	6.91	97.50	8.45	111.20	10.15	129.60	12.66	138.30	13.69	141.20	13.79
	110	84.00	7.63	97.50	9.41	111.20	11.32	129.60	14.13	133.80	14.58	133.80	14.58
	115	84.00	8.48	97.50	10.47	111.20	13.54	115.80	14.75	116.40	14.78	116.40	14.81
	118	84.00	8.99	95.43	10.86	96.74	12.49	99.59	13.45	100.10	13.47	100.10	13.50
	122	72.24	8.18	82.07	9.88	83.20	11.37	85.64	12.24	86.09	12.26	86.09	12.28
	125	62.13	7.44	70.58	9.00	71.55	10.34	73.65	11.13	74.04	11.16	74.04	11.18
80	5	75.00	2.82	87.15	3.26	99.20	3.72	115.20	4.37	131.40	5.06	147.60	5.76
	14	75.00	2.88	87.15	3.33	99.20	3.80	115.20	4.46	131.40	5.16	147.60	5.88
	25	75.00	2.94	87.15	3.40	99.20	3.88	115.20	4.55	131.40	5.26	147.60	6.00
	30	75.00	2.99	87.15	3.46	99.20	3.96	115.20	4.65	131.40	5.39	147.60	6.16
	35	75.00	3.05	87.15	3.54	99.20	4.05	115.20	4.76	131.40	5.51	147.60	6.30
	40	75.00	3.11	87.15	3.61	99.20	4.14	115.20	4.87	131.40	5.63	147.60	6.44
	45	75.00	3.18	87.15	3.70	99.20	4.24	115.20	4.99	131.40	5.78	147.60	6.61
	50	75.00	3.24	87.15	3.78	99.20	4.33	115.20	5.11	131.40	5.93	147.60	6.78
	55	75.00	3.32	87.15	3.87	99.20	4.44	115.20	5.24	131.40	6.08	147.60	6.94
	60	75.00	3.39	87.15	3.96	99.20	4.55	115.20	5.38	131.40	6.26	147.60	7.15
	65	75.00	3.52	87.15	4.12	99.20	4.74	115.20	5.61	131.40	6.52	147.60	7.53
	70	75.00	3.56	87.15	4.17	99.20	4.80	115.20	5.65	131.40	6.81	147.60	8.02
	75	75.00	3.65	87.15	4.33	99.20	5.09	115.20	6.22	131.40	7.49	147.60	8.87
	80	75.00	3.91	87.15	4.71	99.20	5.57	115.20	6.80	131.40	8.21	147.60	9.73
	85	75.00	4.26	87.15	5.13	99.20	6.07	115.20	7.46	131.40	9.00	147.60	10.68
	90	75.00	4.62	87.15	5.58	99.20	6.63	115.20	8.17	131.40	9.83	147.15	11.67
	95	75.00	5.01	87.15	6.09	99.20	7.20	115.20	8.87	131.40	10.74	144.60	12.32
	100	75.00	5.43	87.15	6.58	99.20	7.84	115.20	9.66	131.40	11.74	141.45	12.96
	105	75.00	5.93	87.15	7.22	99.20	8.60	115.20	10.62	131.20	12.92	138.00	13.68
	110	75.00	6.56	87.15	8.00	99.20	9.57	115.20	11.87	129.90	14.13	133.80	14.58
	115	75.00	7.29	87.15	8.90	99.20	10.64	115.20	13.22	116.40	14.78	116.40	14.81
	118	75.00	7.73	87.15	9.43	96.74	11.00	99.59	12.12	100.10	13.47	100.10	13.50
	122	64.50	7.03	74.95	8.59	83.20	10.01	85.64	11.03	86.09	12.26	86.09	12.28
	125	55.47	6.40	64.45	7.81	71.55	9.11	73.65	10.03	74.04	11.16	74.04	11.18

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	65.40	2.50	76.20	2.87	86.60	3.25	100.80	3.79	114.90	4.36	129.00	4.96
	14	65.40	2.55	76.20	2.93	86.60	3.32	100.80	3.87	114.90	4.45	129.00	5.06
	25	65.40	2.60	76.20	2.99	86.60	3.39	100.80	3.95	114.90	4.54	129.00	5.16
	30	65.40	2.65	76.20	3.04	86.60	3.45	100.80	4.03	114.90	4.64	129.00	5.28
	35	65.40	2.70	76.20	3.11	86.60	3.53	100.80	4.12	114.90	4.75	129.00	5.41
	40	65.40	2.75	76.20	3.17	86.60	3.60	100.80	4.22	114.90	4.86	129.00	5.53
	45	65.40	2.80	76.20	3.24	86.60	3.68	100.80	4.31	114.90	4.98	129.00	5.68
	50	65.40	2.86	76.20	3.30	86.60	3.77	100.80	4.41	114.90	5.10	129.00	5.82
	55	65.40	2.92	76.20	3.38	86.60	3.85	100.80	4.53	114.90	5.23	129.00	5.96
	60	65.40	2.98	76.20	3.46	86.60	3.95	100.80	4.64	114.90	5.37	129.00	6.13
	65	65.40	3.09	76.20	3.59	86.60	4.10	100.80	4.83	114.90	5.59	129.00	6.43
	70	65.40	3.12	76.20	3.62	86.60	4.15	100.80	4.89	114.90	5.67	129.00	6.61
	75	65.40	3.20	76.20	3.72	86.60	4.30	100.80	5.20	114.90	6.19	129.00	7.29
	80	65.40	3.36	76.20	4.00	86.60	4.69	100.80	5.69	114.90	6.79	129.00	8.01
	85	65.40	3.65	76.20	4.35	86.60	5.11	100.80	6.22	114.90	7.42	129.00	8.79
	90	65.40	3.96	76.20	4.73	86.60	5.55	100.80	6.78	114.90	8.11	129.00	9.61
	95	65.40	4.28	76.20	5.13	86.60	6.02	100.80	7.35	114.90	8.84	129.00	10.46
	100	65.40	4.63	76.20	5.55	86.60	6.55	100.80	8.00	114.90	9.64	129.00	11.44
	105	65.40	5.05	76.20	6.08	86.60	7.19	100.80	8.80	114.90	10.61	129.00	12.56
	110	65.40	5.58	76.20	6.74	86.60	7.99	100.80	9.78	114.90	11.84	129.00	14.07
	115	65.40	6.16	76.20	7.47	86.60	8.85	100.80	10.91	114.00	13.68	116.40	14.81
	118	65.40	6.53	76.20	7.92	86.60	9.39	90.72	10.41	100.10	12.73	100.10	13.50
	122	56.24	5.94	65.53	7.21	74.47	8.54	78.02	9.47	86.09	11.58	86.09	12.28
	125	48.37	5.41	56.36	6.56	64.05	7.77	67.10	8.62	74.04	10.54	74.04	11.18
60	5	56.04	2.20	65.31	2.49	74.40	2.80	86.40	3.24	98.40	3.70	110.40	4.19
	14	56.04	2.24	65.31	2.54	74.40	2.86	86.40	3.31	98.40	3.78	110.40	4.27
	25	56.04	2.29	65.31	2.60	74.40	2.92	86.40	3.37	98.40	3.86	110.40	4.36
	30	56.04	2.32	65.31	2.64	74.40	2.97	86.40	3.44	98.40	3.94	110.40	4.45
	35	56.04	2.36	65.31	2.69	74.40	3.03	86.40	3.52	98.40	4.03	110.40	4.56
	40	56.04	2.40	65.31	2.74	74.40	3.10	86.40	3.59	98.40	4.11	110.40	4.66
	45	56.04	2.45	65.31	2.80	74.40	3.16	86.40	3.67	98.40	4.21	110.40	4.78
	50	56.04	2.49	65.31	2.85	74.40	3.23	86.40	3.75	98.40	4.31	110.40	4.89
	55	56.04	2.54	65.31	2.91	74.40	3.30	86.40	3.84	98.40	4.42	110.40	5.02
	60	56.04	2.59	65.31	2.98	74.40	3.37	86.40	3.93	98.40	4.53	110.40	5.15
	65	56.04	2.68	65.31	3.08	74.40	3.50	86.40	4.09	98.40	4.71	110.40	5.36
	70	56.04	2.71	65.31	3.11	74.40	3.54	86.40	4.14	98.40	4.77	110.40	5.43
	75	56.04	2.77	65.31	3.19	74.40	3.63	86.40	4.27	98.40	5.05	110.40	5.88
	80	56.04	2.86	65.31	3.36	74.40	3.89	86.40	4.67	98.40	5.52	110.40	6.44
	85	56.04	3.09	65.31	3.64	74.40	4.23	86.40	5.08	98.40	6.03	110.40	7.04
	90	56.04	3.34	65.31	3.95	74.40	4.59	86.40	5.53	98.40	6.56	110.40	7.67
	95	56.04	3.61	65.31	4.27	74.40	4.98	86.40	5.99	98.40	7.15	110.40	8.36
	100	56.04	3.90	65.31	4.62	74.40	5.39	86.40	6.54	98.40	7.79	110.40	9.14
	105	56.04	4.24	65.31	5.04	74.40	5.90	86.40	7.14	98.40	8.55	110.40	10.02
	110	56.04	4.67	65.31	5.58	74.40	6.52	86.40	7.91	98.40	9.49	110.40	11.19
	115	56.04	5.15	65.31	6.16	74.40	7.21	86.40	8.82	98.40	10.57	110.40	12.43
	118	56.04	5.46	65.31	6.53	74.40	7.65	86.40	9.35	90.53	10.31	100.10	11.95
	122	48.19	4.97	56.17	5.94	63.98	6.96	74.30	8.50	77.85	9.38	86.09	10.87
	125	41.45	4.52	48.30	5.41	55.03	6.33	63.90	7.74	66.95	8.53	74.04	9.90
50	5	46.68	1.89	54.42	2.12	62.20	2.35	72.00	2.69	81.90	3.04	91.80	3.42
	14	46.68	1.93	54.42	2.16	62.20	2.40	72.00	2.74	81.90	3.11	91.80	3.49
	25	46.68	1.97	54.42	2.20	62.20	2.45	72.00	2.80	81.90	3.17	91.80	3.56
	30	46.68	1.99	54.42	2.24	62.20	2.49	72.00	2.85	81.90	3.23	91.80	3.63
	35	46.68	2.03	54.42	2.28	62.20	2.54	72.00	2.91	81.90	3.30	91.80	3.71
	40	46.68	2.06	54.42	2.32	62.20	2.59	72.00	2.96	81.90	3.37	91.80	3.79
	45	46.68	2.09	54.42	2.36	62.20	2.64	72.00	3.03	81.90	3.44	91.80	3.87
	50	46.68	2.12	54.42	2.40	62.20	2.68	72.00	3.09	81.90	3.52	91.80	3.96
	55	46.68	2.17	54.42	2.45	62.20	2.74	72.00	3.15	81.90	3.60	91.80	4.07
	60	46.68	2.20	54.42	2.49	62.20	2.80	72.00	3.23	81.90	3.68	91.80	4.16
	65	46.68	2.28	54.42	2.57	62.20	2.90	72.00	3.35	81.90	3.84	91.80	4.29
	70	46.68	2.29	54.42	2.60	62.20	2.93	72.00	3.39	81.90	3.86	91.80	4.24
	75	46.68	2.34	54.42	2.66	62.20	2.95	72.00	3.35	81.90	3.91	91.80	4.46
	80	46.68	2.37	54.42	2.71	62.20	3.09	72.00	3.65	81.90	4.25	91.80	4.87
	85	46.68	2.53	54.42	2.93	62.20	3.35	72.00	3.95	81.90	4.64	91.80	5.28
	90	46.68	2.72	54.42	3.16	62.20	3.63	72.00	4.27	81.90	5.02	91.80	5.74
	95	46.68	2.94	54.42	3.42	62.20	3.94	72.00	4.63	81.90	5.45	91.80	6.27
	100	46.68	3.16	54.42	3.69	62.20	4.24	72.00	5.09	81.90	5.94	91.80	6.84
	105	46.68	3.42	54.42	4.00	62.20	4.61	72.00	5.48	81.90	6.50	91.80	7.48
	110	46.68	3.76	54.42	4.42	62.20	5.05	72.00	6.05	81.90	7.15	91.80	8.31
	115	46.68	4.14	54.42	4.85	62.20	5.58	72.00	6.73	81.90	7.46	91.80	10.06
	118	46.68	4.39	54.42	5.14	62.20	5.91	72.00	7.13	81.90	7.91	91.80	10.66
	122	40.14	3.99	46.80	4.68	53.49	5.38	61.92	6.49	70.43	7.20	78.95	9.70
	125	34.52	3.63	40.25	4.26	46.00	4.89	53.25	5.90	60.57	6.55	67.89	8.83

Tc: Total Capacity

PI: Power Input

Table 54 —38VMA168HDS5-1, 38VMA168HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	141.40	4.61	164.50	5.46	188.07	6.34	218.40	7.55	236.40	7.99	242.00	7.66
	14	141.40	4.70	164.50	5.57	188.07	6.47	218.40	7.70	236.40	8.15	242.00	7.82
	25	141.40	4.80	164.50	5.68	188.07	6.60	218.40	7.86	236.40	8.32	242.00	7.98
	30	141.40	4.91	164.50	5.82	188.07	6.75	218.40	8.05	232.40	8.26	238.00	7.92
	35	141.40	5.03	164.50	5.96	188.07	6.92	218.40	8.24	228.90	8.20	234.50	7.85
	40	141.40	5.14	164.50	6.10	188.07	7.09	218.40	8.44	225.40	8.14	231.00	7.78
	45	141.40	5.27	164.50	6.26	188.07	7.27	214.90	8.41	221.20	8.08	226.80	7.71
	50	141.40	5.39	164.50	6.41	188.07	7.46	211.40	8.38	217.00	8.01	222.60	7.64
	55	141.40	5.54	164.50	6.58	188.07	7.65	207.90	8.32	213.50	8.00	219.10	7.84
	60	141.40	5.68	164.50	6.76	188.07	7.86	204.40	8.40	210.00	8.36	215.60	8.45
	65	141.40	5.93	164.50	7.09	187.37	8.43	197.75	9.03	204.40	9.33	210.00	9.43
	70	141.40	6.07	164.50	7.53	185.27	8.93	196.00	9.46	201.60	9.57	207.20	9.67
	75	141.40	6.65	164.50	8.28	183.40	9.60	193.20	10.06	198.80	10.18	204.40	10.28
	80	141.40	7.30	164.50	9.10	180.13	10.28	188.30	10.67	194.43	10.79	200.55	10.91
	85	141.40	7.99	164.50	9.98	177.80	11.00	184.80	11.27	190.40	11.41	196.00	11.54
	90	141.40	8.73	164.50	10.88	175.47	11.72	181.30	11.88	186.90	12.03	192.50	12.16
	95	141.40	9.52	162.40	11.59	172.20	12.35	177.80	12.50	182.70	12.64	183.40	12.68
	100	141.40	10.39	158.73	12.26	167.30	12.97	173.60	13.10	174.65	13.12	174.65	13.12
	105	141.40	11.43	156.45	13.08	163.64	13.71	165.67	13.76	165.67	13.76	165.67	13.76
	110	141.40	12.74	151.90	14.02	155.40	14.45	155.40	14.45	155.40	14.45	156.80	14.45
	115	134.40	14.58	134.61	14.58	134.87	14.67	135.24	14.71	135.66	14.71	136.08	14.71
	118	115.58	13.29	115.76	13.29	115.99	13.37	116.31	13.41	116.67	13.41	117.03	13.41
	122	99.40	12.10	99.56	12.10	99.75	12.17	100.02	12.20	100.33	12.20	100.64	12.20
	125	85.49	11.01	85.62	11.01	85.78	11.07	86.02	11.10	86.29	11.10	86.55	11.10
120	5	130.76	4.22	152.39	4.99	173.60	5.78	201.60	6.88	228.10	7.92	237.80	7.89
	14	130.76	4.31	152.39	5.09	173.60	5.90	201.60	7.02	228.10	8.08	237.80	8.05
	25	130.76	4.40	152.39	5.20	173.60	6.02	201.60	7.16	228.10	8.24	237.80	8.22
	30	130.76	4.49	152.39	5.31	173.60	6.16	201.60	7.33	226.10	8.31	233.80	8.16
	35	130.76	4.60	152.39	5.44	173.60	6.31	201.60	7.51	223.65	8.34	230.30	8.10
	40	130.76	4.70	152.39	5.57	173.60	6.47	201.60	7.69	221.20	8.36	226.80	8.03
	45	130.76	4.82	152.39	5.71	173.60	6.63	201.60	7.90	217.70	8.31	222.60	7.97
	50	130.76	4.93	152.39	5.85	173.60	6.79	201.60	8.10	214.20	8.25	218.40	7.90
	55	130.76	5.06	152.39	6.01	173.60	6.98	201.60	8.31	209.83	8.19	214.90	7.92
	60	130.76	5.19	152.39	6.17	173.60	7.16	200.20	8.45	205.80	8.35	211.40	8.39
	65	130.76	5.41	152.39	6.44	173.60	7.56	194.60	8.83	200.20	9.20	205.80	9.35
	70	130.76	5.48	152.39	6.72	173.60	8.10	193.20	9.41	198.80	9.50	204.40	9.59
	75	130.76	5.96	152.39	7.38	173.60	8.92	189.00	10.01	194.60	10.10	200.20	10.21
	80	130.76	6.53	152.39	8.10	173.37	9.78	185.50	10.60	191.10	10.72	196.70	10.82
	85	130.76	7.14	152.39	8.87	171.73	10.56	182.00	11.20	187.60	11.32	192.50	11.44
	90	130.76	7.79	152.39	9.70	169.40	11.25	178.50	11.80	183.05	11.94	188.30	12.07
	95	130.76	8.49	152.39	10.59	167.07	11.97	173.60	12.48	179.20	12.58	183.40	12.68
	100	130.76	9.26	152.39	11.57	163.80	12.72	170.10	13.03	174.13	13.12	174.65	13.12
	105	130.76	10.17	151.69	12.63	161.47	13.56	165.20	13.76	165.67	13.76	165.67	13.76
	110	130.76	11.34	149.24	13.67	155.40	14.45	155.40	14.45	155.40	14.45	156.80	14.45
	115	130.76	12.61	133.70	14.09	134.87	14.67	135.24	14.71	135.66	14.71	136.08	14.71
	118	115.58	11.82	115.76	12.93	115.99	13.37	116.31	13.41	116.67	13.41	117.03	13.41
	122	99.40	10.76	99.56	11.77	99.75	12.17	100.02	12.20	100.33	12.20	100.64	12.20
	125	85.49	9.79	85.62	10.71	85.78	11.07	86.02	11.10	86.29	11.10	86.55	11.10
110	5	119.98	3.85	139.20	4.53	158.67	5.24	184.80	6.22	210.70	7.24	233.60	8.12
	14	119.98	3.92	139.20	4.62	158.67	5.34	184.80	6.35	210.70	7.39	233.60	8.28
	25	119.98	4.00	139.20	4.72	158.67	5.45	184.80	6.48	210.70	7.54	233.60	8.45
	30	119.98	4.09	139.20	4.82	158.67	5.58	184.80	6.63	210.70	7.72	229.60	8.40
	35	119.98	4.19	139.20	4.94	158.67	5.71	184.80	6.79	210.70	7.91	226.10	8.34
	40	119.98	4.28	139.20	5.05	158.67	5.85	184.80	6.95	210.70	8.10	222.60	8.29
	45	119.98	4.38	139.20	5.18	158.67	6.00	184.80	7.13	209.30	8.20	219.10	8.23
	50	119.98	4.48	139.20	5.30	158.67	6.14	184.80	7.32	207.90	8.31	215.60	8.16
	55	119.98	4.59	139.20	5.44	158.67	6.30	184.80	7.51	205.98	8.37	210.70	8.10
	60	119.98	4.71	139.20	5.58	158.67	6.47	184.80	7.71	202.65	8.44	207.20	8.33
	65	119.98	4.91	139.20	5.83	158.67	6.76	184.80	8.24	196.18	8.93	201.60	9.29
	70	119.98	4.97	139.20	5.98	158.67	7.14	184.80	8.89	194.60	9.44	200.20	9.53
	75	119.98	5.30	139.20	6.53	158.67	7.85	184.80	9.80	191.10	10.04	196.00	10.13
	80	119.98	5.81	139.20	7.15	158.67	8.61	182.70	10.53	187.43	10.64	192.50	10.74
	85	119.98	6.34	139.20	7.83	158.67	9.44	179.20	11.14	183.40	11.24	189.00	11.35
	90	119.98	6.91	139.20	8.55	158.67	10.32	174.65	11.73	179.90	11.85	184.45	11.97
	95	119.98	7.52	139.20	9.33	158.67	11.29	170.80	12.44	176.40	12.52	180.60	12.59
	100	119.98	8.20	139.20	10.18	157.27	12.16	167.30	12.94	172.03	13.07	174.65	13.12
	105	119.98	8.99	139.20	11.19	155.24	13.03	163.33	13.63	165.67	13.76	165.67	13.76
	110	119.98	10.01	139.20	12.46	152.13	14.06	155.40	14.45	155.40	14.45	156.80	14.45
	115	119.98	11.13	131.01	13.72	134.87	14.67	135.24	14.71	135.66	14.71	136.08	14.71
	118	115.58	11.37	115.76	12.85	115.99	13.37	116.31	13.41	116.67	13.41	117.03	13.41
	122	99.40	10.34	99.56	11.69	99.75	12.17	100.02	12.20	100.33	12.20	100.64	12.20
	125	85.49	9.41	85.62	10.64	85.78	11.07	86.02	11.10	86.29	11.10	86.55	11.10

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	109.06	3.49	126.70	4.09	144.06	4.71	168.00	5.58	191.80	6.49	215.60	7.42
	14	109.06	3.56	126.70	4.17	144.06	4.80	168.00	5.69	191.80	6.62	215.60	7.57
	25	109.06	3.64	126.70	4.26	144.06	4.90	168.00	5.81	191.80	6.75	215.60	7.73
	30	109.06	3.71	126.70	4.34	144.06	5.01	168.00	5.94	191.80	6.91	215.60	7.90
	35	109.06	3.79	126.70	4.45	144.06	5.13	168.00	6.09	191.80	7.08	215.60	8.10
	40	109.06	3.87	126.70	4.55	144.06	5.26	168.00	6.24	191.80	7.25	215.60	8.29
	45	109.06	3.96	126.70	4.66	144.06	5.39	168.00	6.39	191.80	7.44	213.50	8.36
	50	109.06	4.05	126.70	4.77	144.06	5.52	168.00	6.55	191.80	7.63	211.40	8.42
	55	109.06	4.15	126.70	4.89	144.06	5.66	168.00	6.73	191.80	7.83	207.55	8.36
	60	109.06	4.25	126.70	5.02	144.06	5.81	168.00	6.91	191.80	8.04	203.00	8.42
	65	109.06	4.43	126.70	5.23	144.06	6.06	168.00	7.21	191.28	8.62	197.40	8.99
	70	109.06	4.48	126.70	5.29	144.06	6.24	168.00	7.72	189.00	9.18	196.00	9.45
	75	109.06	4.69	126.70	5.72	144.06	6.85	168.00	8.50	187.60	9.93	191.80	10.05
	80	109.06	5.12	126.70	6.27	144.06	7.51	168.00	9.34	183.93	10.57	188.30	10.65
	85	109.06	5.58	126.70	6.85	144.06	8.22	168.00	10.24	179.90	11.16	184.80	11.26
	90	109.06	6.08	126.70	7.48	144.06	8.99	168.00	11.21	176.40	11.77	180.25	11.87
	95	109.06	6.61	126.70	8.15	144.06	9.80	168.00	12.40	172.20	12.44	176.40	12.48
	100	109.06	7.19	126.70	8.87	144.06	10.70	164.50	12.84	168.70	12.98	172.55	13.09
	105	109.06	7.89	126.70	9.75	144.06	11.77	160.53	13.58	164.27	13.69	165.67	13.76
	110	109.06	8.77	126.70	10.86	144.06	13.14	155.40	14.45	155.40	14.45	156.80	14.45
	115	109.06	9.74	126.70	12.09	134.17	14.10	135.24	14.71	135.66	14.71	136.08	14.71
	118	109.06	10.32	111.50	11.28	115.99	12.92	116.31	13.41	116.67	13.41	117.03	13.41
	122	93.79	9.39	95.89	10.26	99.75	11.76	100.02	12.20	100.33	12.20	100.64	12.20
	125	80.66	8.55	82.46	9.34	85.78	10.70	86.02	11.10	86.29	11.10	86.55	11.10
90	5	98.14	3.14	114.00	3.66	129.92	4.20	151.20	4.95	172.20	5.74	193.20	6.57
	14	98.14	3.20	114.00	3.73	129.92	4.28	151.20	5.05	172.20	5.86	193.20	6.70
	25	98.14	3.27	114.00	3.81	129.92	4.37	151.20	5.15	172.20	5.98	193.20	6.84
	30	98.14	3.33	114.00	3.89	129.92	4.47	151.20	5.27	172.20	6.13	193.20	7.00
	35	98.14	3.40	114.00	3.98	129.92	4.57	151.20	5.40	172.20	6.27	193.20	7.17
	40	98.14	3.48	114.00	4.06	129.92	4.67	151.20	5.53	172.20	6.42	193.20	7.34
	45	98.14	3.55	114.00	4.16	129.92	4.79	151.20	5.67	172.20	6.59	193.20	7.53
	50	98.14	3.63	114.00	4.26	129.92	4.90	151.20	5.81	172.20	6.75	193.20	7.72
	55	98.14	3.71	114.00	4.35	129.92	5.02	151.20	5.96	172.20	6.93	193.20	7.93
	60	98.14	3.80	114.00	4.47	129.92	5.16	151.20	6.12	172.20	7.12	193.20	8.14
	65	98.14	3.96	114.00	4.65	129.92	5.37	151.20	6.38	172.20	7.48	193.20	8.79
	70	98.14	4.00	114.00	4.71	129.92	5.44	151.20	6.64	172.20	8.03	191.80	9.39
	75	98.14	4.11	114.00	4.98	129.92	5.91	151.20	7.29	172.20	8.84	187.60	9.97
	80	98.14	4.48	114.00	5.45	129.92	6.48	151.20	8.01	172.20	9.71	184.10	10.57
	85	98.14	4.89	114.00	5.95	129.92	7.09	151.20	8.77	171.85	10.60	180.60	11.17
	90	98.14	5.31	114.00	6.48	129.92	7.73	151.20	9.58	169.93	11.41	177.10	11.77
	95	98.14	5.77	114.00	7.05	129.92	8.43	151.20	10.47	168.00	12.23	172.20	12.38
	100	98.14	6.26	114.00	7.67	129.92	9.19	151.20	11.43	165.20	12.87	168.70	13.00
	105	98.14	6.86	114.00	8.42	129.92	10.10	151.20	12.58	161.23	13.60	164.73	13.76
	110	98.14	7.62	114.00	9.36	129.92	11.25	151.20	14.06	155.40	14.45	156.80	14.45
	115	98.14	8.44	114.00	10.40	129.73	13.49	135.24	14.71	135.66	14.71	136.08	14.71
	118	98.14	8.94	111.50	10.78	112.87	12.44	116.31	13.41	116.67	13.41	117.03	13.41
	122	84.40	8.14	95.89	9.81	97.07	11.32	100.02	12.20	100.33	12.20	100.64	12.20
	125	72.58	7.40	82.46	8.93	83.48	10.30	86.02	11.10	86.29	11.10	86.55	11.10
80	5	87.22	2.81	101.40	3.25	115.55	3.70	134.40	4.35	153.30	5.03	172.20	5.73
	14	87.22	2.86	101.40	3.31	115.55	3.78	134.40	4.44	153.30	5.13	172.20	5.85
	25	87.22	2.92	101.40	3.38	115.55	3.86	134.40	4.53	153.30	5.24	172.20	5.97
	30	87.22	2.97	101.40	3.45	115.55	3.94	134.40	4.62	153.30	5.36	172.20	6.11
	35	87.22	3.03	101.40	3.52	115.55	4.03	134.40	4.73	153.30	5.48	172.20	6.26
	40	87.22	3.10	101.40	3.60	115.55	4.12	134.40	4.84	153.30	5.61	172.20	6.40
	45	87.22	3.16	101.40	3.68	115.55	4.21	134.40	4.97	153.30	5.75	172.20	6.57
	50	87.22	3.23	101.40	3.76	115.55	4.30	134.40	5.09	153.30	5.90	172.20	6.74
	55	87.22	3.30	101.40	3.85	115.55	4.41	134.40	5.21	153.30	6.05	172.20	6.92
	60	87.22	3.38	101.40	3.94	115.55	4.53	134.40	5.35	153.30	6.22	172.20	7.11
	65	87.22	3.51	101.40	4.10	115.55	4.72	134.40	5.57	153.30	6.49	172.20	7.46
	70	87.22	3.54	101.40	4.15	115.55	4.77	134.40	5.65	153.30	6.77	172.20	8.01
	75	87.22	3.63	101.40	4.31	115.55	5.06	134.40	6.18	153.30	7.45	172.20	8.81
	80	87.22	3.89	101.40	4.68	115.55	5.53	134.40	6.78	153.30	8.17	172.20	9.69
	85	87.22	4.23	101.40	5.10	115.55	6.04	134.40	7.41	153.30	8.95	172.20	10.62
	90	87.22	4.60	101.40	5.56	115.55	6.59	134.40	8.09	153.30	9.78	172.20	11.60
	95	87.22	4.99	101.40	6.03	115.55	7.16	134.40	8.83	153.30	10.68	169.40	12.28
	100	87.22	5.40	101.40	6.55	115.55	7.80	134.40	9.62	153.30	11.67	164.50	12.89
	105	87.22	5.90	101.40	7.18	115.55	8.55	134.40	10.58	153.30	12.83	161.47	13.63
	110	87.22	6.54	101.40	7.97	115.55	9.52	134.40	11.79	151.90	14.06	156.80	14.45
	115	87.22	7.24	101.40	8.84	115.55	10.57	134.40	13.15	135.66	14.71	136.08	14.71
	118	87.22	7.67	101.40	9.37	112.87	10.95	116.31	12.06	116.67	13.41	117.03	13.41
	122	75.01	6.98	87.20	8.53	97.07	9.96	100.02	10.98	100.33	12.20	100.64	12.20
	125	64.51	6.35	74.99	7.76	83.48	9.06	86.02	9.99	86.29	11.10	86.55	11.10

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	76.30	2.48	88.69	2.85	101.13	3.23	117.60	3.77	134.05	4.34	151.20	4.93
	14	76.30	2.53	88.69	2.91	101.13	3.30	117.60	3.85	134.05	4.42	151.20	5.03
	25	76.30	2.58	88.69	2.97	101.13	3.37	117.60	3.93	134.05	4.51	151.20	5.13
	30	76.30	2.63	88.69	3.02	101.13	3.43	117.60	4.01	134.05	4.62	151.20	5.25
	35	76.30	2.68	88.69	3.09	101.13	3.50	117.60	4.10	134.05	4.73	151.20	5.38
	40	76.30	2.73	88.69	3.15	101.13	3.58	117.60	4.19	134.05	4.84	151.20	5.51
	45	76.30	2.79	88.69	3.22	101.13	3.66	117.60	4.29	134.05	4.95	151.20	5.64
	50	76.30	2.84	88.69	3.29	101.13	3.75	117.60	4.39	134.05	5.07	151.20	5.78
	55	76.30	2.90	88.69	3.35	101.13	3.83	117.60	4.50	134.05	5.20	151.20	5.93
	60	76.30	2.97	88.69	3.44	101.13	3.92	117.60	4.61	134.05	5.34	151.20	6.09
	65	76.30	3.07	88.69	3.57	101.13	4.08	117.60	4.81	134.05	5.57	151.20	6.35
	70	76.30	3.10	88.69	3.61	101.13	4.13	117.60	4.86	134.05	5.65	151.20	6.60
	75	76.30	3.18	88.69	3.69	101.13	4.27	117.60	5.17	134.05	6.17	151.20	7.25
	80	76.30	3.34	88.69	3.98	101.13	4.66	117.60	5.66	134.05	6.76	151.20	7.96
	85	76.30	3.63	88.69	4.33	101.13	5.08	117.60	6.18	134.05	7.39	151.20	8.72
	90	76.30	3.93	88.69	4.70	101.13	5.53	117.60	6.73	134.05	8.07	151.20	9.53
	95	76.30	4.26	88.69	5.10	101.13	6.00	117.60	7.33	134.05	8.81	151.20	10.40
	100	76.30	4.60	88.69	5.53	101.13	6.52	117.60	7.97	134.05	9.59	151.20	11.36
	105	76.30	5.02	88.69	6.04	101.13	7.14	117.60	8.75	134.05	10.55	151.20	12.51
	110	76.30	5.56	88.69	6.70	101.13	7.93	117.60	9.74	134.05	11.76	151.20	13.93
	115	76.30	6.13	88.69	7.41	101.13	8.79	117.60	10.82	132.86	13.60	136.08	14.71
	118	76.30	6.50	88.69	7.86	101.13	9.32	105.84	10.32	116.67	12.66	117.03	13.41
	122	65.62	5.91	76.27	7.15	86.97	8.48	91.02	9.39	100.33	11.52	100.64	12.20
	125	56.43	5.38	65.60	6.50	74.79	7.72	78.28	8.55	86.29	10.49	86.55	11.10
60	5	65.38	2.18	75.99	2.48	86.61	2.79	100.80	3.23	114.94	3.68	129.08	4.16
	14	65.38	2.22	75.99	2.53	86.61	2.85	100.80	3.29	114.94	3.76	129.08	4.25
	25	65.38	2.27	75.99	2.58	86.61	2.91	100.80	3.36	114.94	3.83	129.08	4.33
	30	65.38	2.30	75.99	2.63	86.61	2.96	100.80	3.42	114.94	3.91	129.08	4.43
	35	65.38	2.35	75.99	2.68	86.61	3.02	100.80	3.50	114.94	4.00	129.08	4.53
	40	65.38	2.40	75.99	2.73	86.61	3.07	100.80	3.57	114.94	4.09	129.08	4.63
	45	65.38	2.44	75.99	2.78	86.61	3.14	100.80	3.65	114.94	4.19	129.08	4.75
	50	65.38	2.49	75.99	2.84	86.61	3.21	100.80	3.74	114.94	4.28	129.08	4.86
	55	65.38	2.53	75.99	2.90	86.61	3.28	100.80	3.82	114.94	4.39	129.08	4.99
	60	65.38	2.58	75.99	2.96	86.61	3.36	100.80	3.91	114.94	4.50	129.08	5.12
	65	65.38	2.66	75.99	3.06	86.61	3.48	100.80	4.06	114.94	4.69	129.08	5.33
	70	65.38	2.69	75.99	3.10	86.61	3.51	100.80	4.11	114.94	4.75	129.08	5.39
	75	65.38	2.75	75.99	3.17	86.61	3.61	100.80	4.24	114.94	5.02	129.08	5.86
	80	65.38	2.84	75.99	3.34	86.61	3.87	100.80	4.64	114.94	5.49	129.08	6.42
	85	65.38	3.08	75.99	3.63	86.61	4.21	100.80	5.05	114.94	5.99	129.08	7.01
	90	65.38	3.32	75.99	3.93	86.61	4.57	100.80	5.49	114.94	6.53	129.08	7.65
	95	65.38	3.59	75.99	4.25	86.61	4.95	100.80	5.98	114.94	7.11	129.08	8.33
	100	65.38	3.87	75.99	4.59	86.61	5.36	100.80	6.49	114.94	7.73	129.08	9.09
	105	65.38	4.21	75.99	5.01	86.61	5.86	100.80	7.10	114.94	8.49	129.08	9.98
	110	65.38	4.65	75.99	5.54	86.61	6.49	100.80	7.89	114.94	9.44	129.08	11.13
	115	65.38	5.12	75.99	6.12	86.61	7.19	100.80	8.75	114.94	10.49	129.08	12.38
	118	65.38	5.42	75.99	6.49	86.61	7.62	100.80	9.27	105.74	10.23	117.03	11.90
	122	56.23	4.94	65.35	5.91	74.49	6.93	86.69	8.44	90.94	9.31	100.64	10.83
	125	48.36	4.49	56.20	5.37	64.06	6.31	74.55	7.68	78.21	8.47	86.55	9.85
50	5	54.46	1.87	63.28	2.11	72.10	2.35	84.00	2.68	95.83	3.03	106.96	3.39
	14	54.46	1.91	63.28	2.15	72.10	2.40	84.00	2.74	95.83	3.09	106.96	3.46
	25	54.46	1.95	63.28	2.20	72.10	2.45	84.00	2.79	95.83	3.15	106.96	3.53
	30	54.46	1.98	63.28	2.23	72.10	2.49	84.00	2.84	95.83	3.20	106.96	3.61
	35	54.46	2.02	63.28	2.27	72.10	2.53	84.00	2.89	95.83	3.27	106.96	3.68
	40	54.46	2.06	63.28	2.30	72.10	2.56	84.00	2.94	95.83	3.34	106.96	3.76
	45	54.46	2.10	63.28	2.34	72.10	2.61	84.00	3.01	95.83	3.42	106.96	3.85
	50	54.46	2.13	63.28	2.39	72.10	2.66	84.00	3.09	95.83	3.50	106.96	3.93
	55	54.46	2.15	63.28	2.44	72.10	2.74	84.00	3.14	95.83	3.58	106.96	4.04
	60	54.46	2.20	63.28	2.48	72.10	2.79	84.00	3.21	95.83	3.67	106.96	4.14
	65	54.46	2.25	63.28	2.56	72.10	2.88	84.00	3.32	95.83	3.82	106.96	4.32
	70	54.46	2.29	63.28	2.58	72.10	2.90	84.00	3.37	95.83	3.84	106.96	4.18
	75	54.46	2.32	63.28	2.64	72.10	2.95	84.00	3.32	95.83	3.87	106.96	4.47
	80	54.46	2.35	63.28	2.69	72.10	3.08	84.00	3.62	95.83	4.21	106.96	4.88
	85	54.46	2.53	63.28	2.92	72.10	3.33	84.00	3.92	95.83	4.59	106.96	5.30
	90	54.46	2.71	63.28	3.15	72.10	3.61	84.00	4.25	95.83	4.99	106.96	5.77
	95	54.46	2.93	63.28	3.40	72.10	3.90	84.00	4.62	95.83	5.41	106.96	6.26
	100	54.46	3.14	63.28	3.65	72.10	4.20	84.00	5.00	95.83	5.87	106.96	6.82
	105	54.46	3.41	63.28	3.98	72.10	4.58	84.00	5.46	95.83	6.42	106.96	7.45
	110	54.46	3.74	63.28	4.37	72.10	5.05	84.00	6.04	95.83	7.11	106.96	8.33
	115	54.46	4.10	63.28	4.83	72.10	5.58	84.00	6.68	95.83	7.37	106.96	10.05
	118	54.46	4.35	63.28	5.12	72.10	5.92	84.00	7.08	95.83	7.81	106.96	10.65
	122	46.84	3.96	54.42	4.66	62.01	5.38	72.24	6.44	82.41	7.11	91.99	9.69
	125	40.28	3.60	46.80	4.24	53.33	4.90	62.13	5.86	70.88	6.47	79.11	8.82

Tc: Total Capacity

PI: Power Input

Table 55 —38VMA192HDS5-1, 38VMA192HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	161.60	5.39	188.00	6.38	214.93	7.41	249.60	8.83	270.17	9.34	276.57	8.96
	14	161.60	5.50	188.00	6.51	214.93	7.56	249.60	9.01	270.17	9.53	276.57	9.14
	25	161.60	5.61	188.00	6.65	214.93	7.72	249.60	9.19	270.17	9.72	276.57	9.33
	30	161.60	5.74	188.00	6.80	214.93	7.90	249.60	9.41	265.60	9.66	272.00	9.26
	35	161.60	5.88	188.00	6.97	214.93	8.09	249.60	9.64	261.60	9.59	268.00	9.18
	40	161.60	6.01	188.00	7.13	214.93	8.29	249.60	9.86	257.60	9.52	264.00	9.10
	45	161.60	6.16	188.00	7.32	214.93	8.50	245.60	9.83	252.80	9.45	259.20	9.02
	50	161.60	6.30	188.00	7.50	214.93	8.72	241.60	9.80	248.00	9.37	254.40	8.94
	55	161.60	6.47	188.00	7.69	214.93	8.94	237.60	9.73	244.00	9.35	250.40	9.17
	60	161.60	6.64	188.00	7.91	214.93	9.19	233.60	9.83	240.00	9.77	246.40	9.88
	65	161.60	6.93	188.00	8.29	214.13	9.86	226.00	10.56	233.60	10.91	240.00	11.03
	70	161.60	7.09	188.00	8.81	211.73	10.44	224.00	11.07	230.40	11.19	236.80	11.31
	75	161.60	7.78	188.00	9.69	209.60	11.22	220.80	11.77	227.20	11.90	233.60	12.03
	80	161.60	8.53	188.00	10.64	205.87	12.02	215.20	12.47	222.20	12.62	229.20	12.75
	85	161.60	9.35	188.00	11.67	203.20	12.86	211.20	13.18	217.60	13.34	224.00	13.50
	90	161.60	10.21	188.00	12.73	200.53	13.70	207.20	13.89	213.60	14.07	220.00	14.21
	95	161.60	11.13	185.60	13.55	196.80	14.44	203.20	14.61	208.80	14.78	209.60	14.83
	100	161.60	12.15	181.40	14.34	191.20	15.16	198.40	15.31	199.60	15.34	199.60	15.34
	105	161.60	13.37	178.80	15.29	187.02	16.03	189.33	16.09	189.33	16.09	189.33	16.09
	110	161.60	14.90	173.60	16.40	177.60	16.90	177.60	16.90	177.60	16.90	179.20	16.90
	115	153.60	17.05	153.84	17.05	154.13	17.15	154.56	17.20	155.04	17.20	155.52	17.20
	118	132.10	15.54	132.30	15.54	132.55	15.63	132.92	15.68	133.33	15.68	133.75	15.68
	122	113.60	14.14	113.78	14.14	114.00	14.23	114.31	14.27	114.67	14.27	115.02	14.27
	125	97.70	12.87	97.85	12.87	98.04	12.95	98.31	12.99	98.61	12.99	98.92	12.99
120	5	149.44	4.94	174.16	5.84	198.40	6.76	230.40	8.04	260.69	9.26	271.77	9.23
	14	149.44	5.04	174.16	5.96	198.40	6.90	230.40	8.21	260.69	9.45	271.77	9.42
	25	149.44	5.14	174.16	6.08	198.40	7.04	230.40	8.37	260.69	9.64	271.77	9.61
	30	149.44	5.25	174.16	6.21	198.40	7.20	230.40	8.57	258.40	9.72	267.20	9.54
	35	149.44	5.37	174.16	6.36	198.40	7.38	230.40	8.78	255.60	9.75	263.20	9.47
	40	149.44	5.50	174.16	6.51	198.40	7.56	230.40	9.00	252.80	9.78	259.20	9.39
	45	149.44	5.63	174.16	6.68	198.40	7.75	230.40	9.23	248.80	9.71	254.40	9.32
	50	149.44	5.77	174.16	6.84	198.40	7.94	230.40	9.47	244.80	9.64	249.60	9.24
	55	149.44	5.92	174.16	7.02	198.40	8.16	230.40	9.72	239.80	9.57	245.60	9.27
	60	149.44	6.07	174.16	7.21	198.40	8.38	228.80	9.88	235.20	9.77	241.60	9.81
	65	149.44	6.33	174.16	7.52	198.40	8.84	222.40	10.33	228.80	10.76	235.20	10.94
	70	149.44	6.41	174.16	7.86	198.40	9.47	220.80	11.01	227.20	11.11	233.60	11.22
	75	149.44	6.97	174.16	8.63	198.40	10.43	216.00	11.71	222.40	11.81	228.80	11.93
	80	149.44	7.63	174.16	9.47	198.13	11.44	212.00	12.40	218.40	12.53	224.80	12.66
	85	149.44	8.35	174.16	10.37	196.27	12.34	208.00	13.10	214.40	13.24	220.00	13.38
	90	149.44	9.11	174.16	11.34	193.60	13.16	204.00	13.80	209.20	13.96	215.20	14.12
	95	149.44	9.93	174.16	12.38	190.93	14.00	198.40	14.59	204.80	14.71	209.60	14.83
	100	149.44	10.83	174.16	13.53	187.20	14.88	194.40	15.23	199.00	15.34	199.60	15.34
	105	149.44	11.89	173.36	14.76	184.53	15.86	188.80	16.09	189.33	16.09	189.33	16.09
	110	149.44	13.26	170.56	15.99	177.60	16.90	177.60	16.90	177.60	16.90	179.20	16.90
	115	149.44	14.75	152.80	16.47	154.13	17.15	154.56	17.20	155.04	17.20	155.52	17.20
	118	132.10	13.82	132.30	15.12	132.55	15.63	132.92	15.68	133.33	15.68	133.75	15.68
	122	113.60	12.58	113.78	13.76	114.00	14.23	114.31	14.27	114.67	14.27	115.02	14.27
	125	97.70	11.45	97.85	12.52	98.04	12.95	98.31	12.99	98.61	12.99	98.92	12.99
110	5	137.12	4.50	159.08	5.30	181.33	6.12	211.20	7.27	240.80	8.47	266.97	9.49
	14	137.12	4.59	159.08	5.40	181.33	6.25	211.20	7.42	240.80	8.64	266.97	9.69
	25	137.12	4.68	159.08	5.51	181.33	6.38	211.20	7.57	240.80	8.82	266.97	9.88
	30	137.12	4.78	159.08	5.64	181.33	6.52	211.20	7.75	240.80	9.03	262.40	9.82
	35	137.12	4.89	159.08	5.77	181.33	6.68	211.20	7.94	240.80	9.25	258.40	9.76
	40	137.12	5.01	159.08	5.91	181.33	6.84	211.20	8.13	240.80	9.47	254.40	9.70
	45	137.12	5.12	159.08	6.05	181.33	7.01	211.20	8.34	239.20	9.59	250.40	9.62
	50	137.12	5.24	159.08	6.20	181.33	7.19	211.20	8.56	237.60	9.71	246.40	9.54
	55	137.12	5.37	159.08	6.36	181.33	7.37	211.20	8.78	235.40	9.79	240.80	9.48
	60	137.12	5.51	159.08	6.53	181.33	7.57	211.20	9.02	231.60	9.87	236.80	9.74
	65	137.12	5.74	159.08	6.81	181.33	7.90	211.20	9.63	224.20	10.44	230.40	10.86
	70	137.12	5.82	159.08	6.99	181.33	8.35	211.20	10.40	222.40	11.04	228.80	11.14
	75	137.12	6.20	159.08	7.63	181.33	9.18	211.20	11.46	218.40	11.74	224.00	11.84
	80	137.12	6.79	159.08	8.36	181.33	10.07	208.80	12.32	214.20	12.44	220.00	12.56
	85	137.12	7.41	159.08	9.15	181.33	11.04	204.80	13.02	209.60	13.14	216.00	13.27
	90	137.12	8.08	159.08	10.00	181.33	12.07	199.60	13.72	205.60	13.85	210.80	14.00
	95	137.12	8.80	159.08	10.91	181.33	13.20	195.20	14.55	201.60	14.64	206.40	14.72
	100	137.12	9.59	159.08	11.90	179.73	14.22	191.20	15.13	196.60	15.28	199.60	15.34
	105	137.12	10.51	159.08	13.09	177.42	15.24	186.67	15.93	189.33	16.09	189.33	16.09
	110	137.12	11.71	159.08	14.57	173.87	16.44	177.60	16.90	177.60	16.90	179.20	16.90
	115	137.12	13.02	149.72	16.04	154.13	17.15	154.56	17.20	155.04	17.20	155.52	17.20
	118	132.10	13.29	132.30	15.03	132.55	15.63	132.92	15.68	133.33	15.68	133.75	15.68
	122	113.60	12.09	113.78	13.67	114.00	14.23	114.31	14.27	114.67	14.27	115.02	14.27
	125	97.70	11.01	97.85	12.44	98.04	12.95	98.31	12.99	98.61	12.99	98.92	12.99

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	124.64	4.08	144.80	4.78	164.64	5.51	192.00	6.52	219.20	7.59	246.40	8.68
	14	124.64	4.17	144.80	4.88	164.64	5.62	192.00	6.65	219.20	7.74	246.40	8.85
	25	124.64	4.25	144.80	4.98	164.64	5.73	192.00	6.79	219.20	7.90	246.40	9.03
	30	124.64	4.34	144.80	5.08	164.64	5.86	192.00	6.94	219.20	8.08	246.40	9.24
	35	124.64	4.43	144.80	5.20	164.64	6.00	192.00	7.12	219.20	8.28	246.40	9.47
	40	124.64	4.52	144.80	5.32	164.64	6.14	192.00	7.29	219.20	8.48	246.40	9.70
	45	124.64	4.63	144.80	5.45	164.64	6.30	192.00	7.47	219.20	8.70	244.00	9.77
	50	124.64	4.73	144.80	5.58	164.64	6.45	192.00	7.66	219.20	8.92	241.60	9.85
	55	124.64	4.85	144.80	5.71	164.64	6.61	192.00	7.87	219.20	9.16	237.20	9.78
	60	124.64	4.97	144.80	5.87	164.64	6.79	192.00	8.08	219.20	9.40	232.00	9.84
	65	124.64	5.18	144.80	6.11	164.64	7.08	192.00	8.43	218.60	10.08	225.60	10.51
	70	124.64	5.24	144.80	6.18	164.64	7.30	192.00	9.03	216.00	10.73	224.00	11.05
	75	124.64	5.48	144.80	6.69	164.64	8.01	192.00	9.94	214.40	11.61	219.20	11.75
	80	124.64	5.98	144.80	7.33	164.64	8.78	192.00	10.92	210.20	12.36	215.20	12.46
	85	124.64	6.53	144.80	8.01	164.64	9.62	192.00	11.97	205.60	13.05	211.20	13.17
	90	124.64	7.11	144.80	8.75	164.64	10.51	192.00	13.10	201.60	13.76	206.00	13.88
	95	124.64	7.73	144.80	9.53	164.64	11.46	192.00	14.50	196.80	14.55	201.60	14.60
	100	124.64	8.41	144.80	10.38	164.64	12.51	188.00	15.01	192.80	15.18	197.20	15.30
	105	124.64	9.23	144.80	11.41	164.64	13.77	183.47	15.88	187.73	16.01	189.33	16.09
	110	124.64	10.26	144.80	12.70	164.64	15.36	177.60	16.90	177.60	16.90	179.20	16.90
	115	124.64	11.39	144.80	14.14	153.33	16.49	154.56	17.20	155.04	17.20	155.52	17.20
	118	124.64	12.07	127.42	13.19	132.55	15.11	132.92	15.68	133.33	15.68	133.75	15.68
	122	107.19	10.98	109.58	12.00	114.00	13.75	114.31	14.27	114.67	14.27	115.02	14.27
	125	92.18	10.00	94.24	10.92	98.04	12.51	98.31	12.99	98.61	12.99	98.92	12.99
90	5	112.16	3.67	130.28	4.28	148.48	4.91	172.80	5.79	196.80	6.72	220.80	7.68
	14	112.16	3.74	130.28	4.37	148.48	5.01	172.80	5.90	196.80	6.85	220.80	7.83
	25	112.16	3.82	130.28	4.46	148.48	5.11	172.80	6.02	196.80	6.99	220.80	7.99
	30	112.16	3.90	130.28	4.55	148.48	5.22	172.80	6.17	196.80	7.16	220.80	8.19
	35	112.16	3.98	130.28	4.65	148.48	5.34	172.80	6.32	196.80	7.34	220.80	8.39
	40	112.16	4.06	130.28	4.75	148.48	5.47	172.80	6.47	196.80	7.51	220.80	8.59
	45	112.16	4.16	130.28	4.86	148.48	5.60	172.80	6.63	196.80	7.70	220.80	8.81
	50	112.16	4.25	130.28	4.98	148.48	5.73	172.80	6.79	196.80	7.89	220.80	9.03
	55	112.16	4.34	130.28	5.09	148.48	5.87	172.80	6.96	196.80	8.10	220.80	9.27
	60	112.16	4.45	130.28	5.22	148.48	6.03	172.80	7.15	196.80	8.32	220.80	9.52
	65	112.16	4.63	130.28	5.44	148.48	6.28	172.80	7.46	196.80	8.75	220.80	10.28
	70	112.16	4.67	130.28	5.51	148.48	6.36	172.80	7.76	196.80	9.39	219.20	10.98
	75	112.16	4.81	130.28	5.83	148.48	6.92	172.80	8.52	196.80	10.34	214.40	11.66
	80	112.16	5.24	130.28	6.37	148.48	7.58	172.80	9.37	196.80	11.36	210.40	12.36
	85	112.16	5.72	130.28	6.95	148.48	8.29	172.80	10.25	196.40	12.40	206.40	13.06
	90	112.16	6.21	130.28	7.57	148.48	9.04	172.80	11.21	194.20	13.34	202.40	13.77
	95	112.16	6.74	130.28	8.24	148.48	9.85	172.80	12.24	192.00	14.30	196.80	14.48
	100	112.16	7.32	130.28	8.97	148.48	10.74	172.80	13.36	188.80	15.05	192.80	15.20
	105	112.16	8.02	130.28	9.84	148.48	11.81	172.80	14.71	184.27	15.91	188.27	16.09
	110	112.16	8.91	130.28	10.95	148.48	13.15	172.80	16.44	177.60	16.90	179.20	16.90
	115	112.16	9.86	130.28	12.16	148.27	15.78	154.56	17.20	155.04	17.20	155.52	17.20
	118	112.16	10.46	127.42	12.61	128.99	14.55	132.92	15.68	133.33	15.68	133.75	15.68
	122	96.46	9.52	109.58	11.47	110.93	13.24	114.31	14.27	114.67	14.27	115.02	14.27
	125	82.95	8.66	94.24	10.44	95.40	12.05	98.31	12.99	98.61	12.99	98.92	12.99
80	5	99.68	3.28	115.88	3.79	132.05	4.33	153.60	5.09	175.20	5.88	196.80	6.70
	14	99.68	3.35	115.88	3.87	132.05	4.42	153.60	5.19	175.20	6.00	196.80	6.84
	25	99.68	3.42	115.88	3.95	132.05	4.51	153.60	5.30	175.20	6.12	196.80	6.98
	30	99.68	3.47	115.88	4.03	132.05	4.60	153.60	5.40	175.20	6.26	196.80	7.14
	35	99.68	3.55	115.88	4.12	132.05	4.71	153.60	5.53	175.20	6.41	196.80	7.31
	40	99.68	3.62	115.88	4.21	132.05	4.82	153.60	5.66	175.20	6.56	196.80	7.49
	45	99.68	3.70	115.88	4.30	132.05	4.92	153.60	5.81	175.20	6.73	196.80	7.69
	50	99.68	3.78	115.88	4.39	132.05	5.03	153.60	5.95	175.20	6.90	196.80	7.89
	55	99.68	3.86	115.88	4.50	132.05	5.16	153.60	6.09	175.20	7.08	196.80	8.09
	60	99.68	3.95	115.88	4.61	132.05	5.29	153.60	6.26	175.20	7.27	196.80	8.31
	65	99.68	4.10	115.88	4.79	132.05	5.52	153.60	6.51	175.20	7.58	196.80	8.72
	70	99.68	4.14	115.88	4.85	132.05	5.58	153.60	6.61	175.20	7.92	196.80	9.36
	75	99.68	4.25	115.88	5.03	132.05	5.92	153.60	7.23	175.20	8.71	196.80	10.31
	80	99.68	4.55	115.88	5.47	132.05	6.47	153.60	7.92	175.20	9.55	196.80	11.33
	85	99.68	4.95	115.88	5.97	132.05	7.07	153.60	8.67	175.20	10.46	196.80	12.42
	90	99.68	5.38	115.88	6.50	132.05	7.70	153.60	9.46	175.20	11.44	196.80	13.56
	95	99.68	5.83	115.88	7.05	132.05	8.37	153.60	10.32	175.20	12.49	193.60	14.36
	100	99.68	6.31	115.88	7.66	132.05	9.12	153.60	11.25	175.20	13.65	188.00	15.07
	105	99.68	6.90	115.88	8.39	132.05	10.00	153.60	12.37	175.20	15.00	184.53	15.93
	110	99.68	7.64	115.88	9.32	132.05	11.13	153.60	13.79	173.60	16.44	179.20	16.90
	115	99.68	8.46	115.88	10.34	132.05	12.36	153.60	15.38	155.04	17.20	155.52	17.20
	118	99.68	8.97	115.88	10.96	128.99	12.80	132.92	14.10	133.33	15.68	133.75	15.68
	122	85.72	8.16	99.66	9.97	110.93	11.65	114.31	12.83	114.67	14.27	115.02	14.27
	125	73.72	7.43	85.70	9.07	95.40	10.60	98.31	11.68	98.61	12.99	98.92	12.99

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	87.20	2.90	101.36	3.33	115.57	3.78	134.40	4.41	153.20	5.07	172.80	5.77
	14	87.20	2.96	101.36	3.40	115.57	3.86	134.40	4.50	153.20	5.17	172.80	5.88
	25	87.20	3.02	101.36	3.47	115.57	3.94	134.40	4.59	153.20	5.28	172.80	6.00
	30	87.20	3.08	101.36	3.53	115.57	4.01	134.40	4.69	153.20	5.40	172.80	6.13
	35	87.20	3.14	101.36	3.61	115.57	4.10	134.40	4.80	153.20	5.53	172.80	6.29
	40	87.20	3.20	101.36	3.69	115.57	4.19	134.40	4.90	153.20	5.66	172.80	6.44
	45	87.20	3.26	101.36	3.77	115.57	4.29	134.40	5.02	153.20	5.79	172.80	6.60
	50	87.20	3.32	101.36	3.84	115.57	4.38	134.40	5.13	153.20	5.93	172.80	6.76
	55	87.20	3.39	101.36	3.92	115.57	4.48	134.40	5.26	153.20	6.08	172.80	6.93
	60	87.20	3.47	101.36	4.02	115.57	4.59	134.40	5.40	153.20	6.25	172.80	7.12
	65	87.20	3.59	101.36	4.18	115.57	4.77	134.40	5.62	153.20	6.51	172.80	7.43
	70	87.20	3.62	101.36	4.22	115.57	4.83	134.40	5.68	153.20	6.61	172.80	7.72
	75	87.20	3.71	101.36	4.32	115.57	5.00	134.40	6.04	153.20	7.22	172.80	8.48
	80	87.20	3.90	101.36	4.65	115.57	5.45	134.40	6.62	153.20	7.91	172.80	9.31
	85	87.20	4.25	101.36	5.06	115.57	5.94	134.40	7.22	153.20	8.64	172.80	10.20
	90	87.20	4.60	101.36	5.50	115.57	6.46	134.40	7.87	153.20	9.44	172.80	11.15
	95	87.20	4.98	101.36	5.96	115.57	7.02	134.40	8.57	153.20	10.30	172.80	12.16
	100	87.20	5.38	101.36	6.46	115.57	7.62	134.40	9.32	153.20	11.22	172.80	13.28
	105	87.20	5.87	101.36	7.06	115.57	8.35	134.40	10.23	153.20	12.34	172.80	14.63
	110	87.20	6.50	101.36	7.84	115.57	9.28	134.40	11.39	153.20	13.75	172.80	16.29
	115	87.20	7.17	101.36	8.67	115.57	10.28	134.40	12.65	151.84	15.91	155.52	17.20
	118	87.20	7.60	101.36	9.19	115.57	10.90	120.96	12.07	133.33	14.81	133.75	15.68
	122	74.99	6.92	87.17	8.36	99.39	9.92	104.03	10.98	114.67	13.47	115.02	14.27
	125	64.49	6.29	74.97	7.61	85.48	9.02	89.46	9.99	98.61	12.26	98.92	12.99
60	5	74.72	2.55	86.84	2.90	98.99	3.26	115.20	3.77	131.36	4.30	147.52	4.87
	14	74.72	2.60	86.84	2.96	98.99	3.33	115.20	3.85	131.36	4.39	147.52	4.97
	25	74.72	2.65	86.84	3.02	98.99	3.40	115.20	3.93	131.36	4.48	147.52	5.07
	30	74.72	2.69	86.84	3.07	98.99	3.46	115.20	4.00	131.36	4.57	147.52	5.18
	35	74.72	2.75	86.84	3.13	98.99	3.53	115.20	4.09	131.36	4.68	147.52	5.30
	40	74.72	2.80	86.84	3.19	98.99	3.59	115.20	4.17	131.36	4.78	147.52	5.42
	45	74.72	2.85	86.84	3.25	98.99	3.67	115.20	4.27	131.36	4.89	147.52	5.55
	50	74.72	2.91	86.84	3.32	98.99	3.75	115.20	4.37	131.36	5.01	147.52	5.68
	55	74.72	2.95	86.84	3.39	98.99	3.84	115.20	4.47	131.36	5.13	147.52	5.83
	60	74.72	3.02	86.84	3.46	98.99	3.93	115.20	4.57	131.36	5.27	147.52	5.98
	65	74.72	3.11	86.84	3.58	98.99	4.07	115.20	4.75	131.36	5.49	147.52	6.24
	70	74.72	3.15	86.84	3.62	98.99	4.11	115.20	4.81	131.36	5.55	147.52	6.30
	75	74.72	3.21	86.84	3.70	98.99	4.22	115.20	4.96	131.36	5.87	147.52	6.85
	80	74.72	3.33	86.84	3.90	98.99	4.52	115.20	5.42	131.36	6.42	147.52	7.50
	85	74.72	3.60	86.84	4.24	98.99	4.92	115.20	5.91	131.36	7.01	147.52	8.20
	90	74.72	3.89	86.84	4.59	98.99	5.34	115.20	6.42	131.36	7.64	147.52	8.95
	95	74.72	4.20	86.84	4.97	98.99	5.79	115.20	6.99	131.36	8.31	147.52	9.74
	100	74.72	4.53	86.84	5.37	98.99	6.27	115.20	7.58	131.36	9.04	147.52	10.63
	105	74.72	4.93	86.84	5.86	98.99	6.85	115.20	8.31	131.36	9.92	147.52	11.67
	110	74.72	5.43	86.84	6.47	98.99	7.59	115.20	9.23	131.36	11.04	147.52	13.02
	115	74.72	5.98	86.84	7.16	98.99	8.40	115.20	10.23	131.36	12.26	147.52	14.48
	118	74.72	6.34	86.84	7.59	98.99	8.91	115.20	10.84	120.85	11.96	133.75	13.91
	122	64.26	5.77	74.68	6.91	85.13	8.11	99.07	9.87	103.93	10.88	115.02	12.66
	125	55.26	5.25	64.23	6.28	73.21	7.38	85.20	8.98	89.38	9.90	98.92	11.52
50	5	62.24	2.19	72.32	2.47	82.40	2.75	96.00	3.13	109.52	3.54	122.24	3.97
	14	62.24	2.24	72.32	2.52	82.40	2.80	96.00	3.20	109.52	3.61	122.24	4.05
	25	62.24	2.28	72.32	2.57	82.40	2.86	96.00	3.26	109.52	3.69	122.24	4.13
	30	62.24	2.31	72.32	2.61	82.40	2.91	96.00	3.32	109.52	3.74	122.24	4.22
	35	62.24	2.36	72.32	2.65	82.40	2.96	96.00	3.38	109.52	3.82	122.24	4.31
	40	62.24	2.41	72.32	2.69	82.40	3.00	96.00	3.44	109.52	3.90	122.24	4.40
	45	62.24	2.45	72.32	2.74	82.40	3.06	96.00	3.52	109.52	4.00	122.24	4.50
	50	62.24	2.50	72.32	2.79	82.40	3.12	96.00	3.61	109.52	4.09	122.24	4.60
	55	62.24	2.51	72.32	2.85	82.40	3.20	96.00	3.67	109.52	4.18	122.24	4.73
	60	62.24	2.57	72.32	2.90	82.40	3.27	96.00	3.75	109.52	4.29	122.24	4.84
	65	62.24	2.63	72.32	2.99	82.40	3.37	96.00	3.88	109.52	4.46	122.24	5.05
	70	62.24	2.68	72.32	3.02	82.40	3.39	96.00	3.94	109.52	4.49	122.24	4.89
	75	62.24	2.71	72.32	3.09	82.40	3.45	96.00	3.88	109.52	4.52	122.24	5.22
	80	62.24	2.75	72.32	3.15	82.40	3.60	96.00	4.23	109.52	4.93	122.24	5.70
	85	62.24	2.95	72.32	3.42	82.40	3.90	96.00	4.59	109.52	5.37	122.24	6.20
	90	62.24	3.17	72.32	3.68	82.40	4.22	96.00	4.97	109.52	5.84	122.24	6.75
	95	62.24	3.43	72.32	3.97	82.40	4.56	96.00	5.40	109.52	6.33	122.24	7.32
	100	62.24	3.68	72.32	4.27	82.40	4.92	96.00	5.85	109.52	6.86	122.24	7.97
	105	62.24	3.99	72.32	4.65	82.40	5.35	96.00	6.38	109.52	7.51	122.24	8.71
	110	62.24	4.37	72.32	5.11	82.40	5.91	96.00	7.06	109.52	8.32	122.24	9.74
	115	62.24	4.80	72.32	5.65	82.40	6.53	96.00	7.81	109.52	8.62	122.24	11.75
	118	62.24	5.08	72.32	5.99	82.40	6.92	96.00	8.28	109.52	9.13	122.24	12.46
	122	53.53	4.63	62.20	5.45	70.86	6.29	82.56	7.53	94.19	8.31	105.13	11.34
	125	46.03	4.21	53.49	4.96	60.94	5.73	71.00	6.85	81.00	7.56	90.41	10.32

Tc: Total Capacity

PI: Power Input

Table 56 —38VMA216HDS5-1, 38VMA216HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	181.80	6.17	211.50	7.31	241.80	8.49	280.80	10.10	303.94	10.69	311.14	10.26
	14	181.80	6.29	211.50	7.46	241.80	8.66	280.80	10.31	303.94	10.91	311.14	10.47
	25	181.80	6.42	211.50	7.61	241.80	8.84	280.80	10.52	303.94	11.13	311.14	10.68
	30	181.80	6.57	211.50	7.79	241.80	9.04	280.80	10.77	298.80	11.06	306.00	10.60
	35	181.80	6.73	211.50	7.98	241.80	9.26	280.80	11.03	294.30	10.98	301.50	10.51
	40	181.80	6.88	211.50	8.16	241.80	9.49	280.80	11.29	289.80	10.90	297.00	10.42
	45	181.80	7.05	211.50	8.38	241.80	9.74	276.30	11.26	284.40	10.81	291.60	10.33
	50	181.80	7.22	211.50	8.59	241.80	9.99	271.80	11.22	279.00	10.73	286.20	10.23
	55	181.80	7.41	211.50	8.81	241.80	10.24	267.30	11.14	274.50	10.71	281.70	10.50
	60	181.80	7.61	211.50	9.05	241.80	10.52	262.80	11.25	270.00	11.19	277.20	11.31
	65	181.80	7.93	211.50	9.50	240.90	11.29	254.25	12.09	262.80	12.48	270.00	12.62
	70	181.80	8.12	211.50	10.08	238.20	11.96	252.00	12.67	259.20	12.81	266.40	12.95
	75	181.80	8.91	211.50	11.09	235.80	12.85	248.40	13.47	255.60	13.63	262.80	13.77
	80	181.80	9.77	211.50	12.18	231.60	13.77	242.10	14.28	249.98	14.45	257.85	14.60
	85	181.80	10.70	211.50	13.36	228.60	14.72	237.60	15.09	244.80	15.28	252.00	15.45
	90	181.80	11.69	211.50	14.57	225.60	15.69	233.10	15.91	240.30	16.10	247.50	16.27
	95	181.80	12.74	208.80	15.51	221.40	16.53	228.60	16.73	234.90	16.92	235.80	16.97
	100	181.80	13.91	204.08	16.42	215.10	17.36	223.20	17.53	224.55	17.56	224.55	17.56
	105	181.80	15.30	201.15	17.51	210.40	18.36	213.00	18.42	213.00	18.42	213.00	18.42
	110	181.80	17.06	195.30	18.77	199.80	19.34	199.80	19.34	199.80	19.34	201.60	19.34
	115	172.80	19.52	173.07	19.52	173.40	19.64	173.88	19.69	174.42	19.69	174.96	19.69
	118	148.61	17.79	148.84	17.79	149.12	17.90	149.54	17.95	150.00	17.95	150.47	17.95
	122	127.80	16.19	128.00	16.19	128.25	16.29	128.60	16.34	129.00	16.34	129.40	16.34
	125	109.91	14.73	110.08	14.73	110.29	14.82	110.60	14.87	110.94	14.87	111.28	14.87
120	5	168.12	5.65	195.93	6.68	223.20	7.74	259.20	9.21	293.27	10.60	305.74	10.57
	14	168.12	5.77	195.93	6.82	223.20	7.90	259.20	9.40	293.27	10.81	305.74	10.78
	25	168.12	5.89	195.93	6.96	223.20	8.06	259.20	9.59	293.27	11.03	305.74	11.00
	30	168.12	6.01	195.93	7.11	223.20	8.24	259.20	9.81	290.70	11.13	300.60	10.93
	35	168.12	6.15	195.93	7.28	223.20	8.45	259.20	10.06	287.55	11.16	296.10	10.84
	40	168.12	6.29	195.93	7.45	223.20	8.66	259.20	10.30	284.40	11.20	291.60	10.75
	45	168.12	6.45	195.93	7.64	223.20	8.87	259.20	10.57	279.90	11.12	286.20	10.67
	50	168.12	6.61	195.93	7.83	223.20	9.09	259.20	10.84	275.40	11.04	280.80	10.58
	55	168.12	6.78	195.93	8.04	223.20	9.34	259.20	11.12	269.78	10.96	276.30	10.61
	60	168.12	6.95	195.93	8.25	223.20	9.59	257.40	11.31	264.60	11.18	271.80	11.23
	65	168.12	7.25	195.93	8.61	223.20	10.13	250.20	11.82	257.40	12.32	264.60	12.52
	70	168.12	7.34	195.93	9.00	223.20	10.84	248.40	12.60	255.60	12.72	262.80	12.84
	75	168.12	7.98	195.93	9.88	223.20	11.94	243.00	13.40	250.20	13.52	257.40	13.66
	80	168.12	8.74	195.93	10.84	222.90	13.10	238.50	14.19	245.70	14.35	252.90	14.49
	85	168.12	9.56	195.93	11.87	220.80	14.13	234.00	15.00	241.20	15.16	247.50	15.32
	90	168.12	10.43	195.93	12.99	217.80	15.07	229.50	15.80	235.35	15.98	242.10	16.16
	95	168.12	11.36	195.93	14.17	214.80	16.03	223.20	16.70	230.40	16.84	235.80	16.97
	100	168.12	12.40	195.93	15.49	210.60	17.03	218.70	17.44	223.88	17.56	224.55	17.56
	105	168.12	13.62	195.03	16.90	207.60	18.16	212.40	18.42	213.00	18.42	213.00	18.42
	110	168.12	15.18	191.88	18.30	199.80	19.34	199.80	19.34	199.80	19.34	201.60	19.34
	115	168.12	16.89	171.90	18.86	173.40	19.64	173.88	19.69	174.42	19.69	174.96	19.69
	118	148.61	15.82	148.84	17.31	149.12	17.90	149.54	17.95	150.00	17.95	150.47	17.95
	122	127.80	14.40	128.00	15.75	128.25	16.29	128.60	16.34	129.00	16.34	129.40	16.34
	125	109.91	13.10	110.08	14.33	110.29	14.82	110.60	14.87	110.94	14.87	111.28	14.87
110	5	154.26	5.15	178.97	6.06	204.00	7.01	237.60	8.33	270.90	9.69	300.34	10.87
	14	154.26	5.25	178.97	6.19	204.00	7.15	237.60	8.50	270.90	9.89	300.34	11.09
	25	154.26	5.36	178.97	6.31	204.00	7.30	237.60	8.67	270.90	10.09	300.34	11.32
	30	154.26	5.47	178.97	6.45	204.00	7.46	237.60	8.87	270.90	10.33	295.20	11.24
	35	154.26	5.60	178.97	6.61	204.00	7.65	237.60	9.09	270.90	10.59	290.70	11.17
	40	154.26	5.73	178.97	6.77	204.00	7.83	237.60	9.31	270.90	10.84	286.20	11.10
	45	154.26	5.86	178.97	6.93	204.00	8.03	237.60	9.55	269.10	10.98	281.70	11.01
	50	154.26	6.00	178.97	7.09	204.00	8.23	237.60	9.79	267.30	11.12	277.20	10.93
	55	154.26	6.15	178.97	7.28	204.00	8.44	237.60	10.06	264.83	11.21	270.90	10.85
	60	154.26	6.31	178.97	7.47	204.00	8.67	237.60	10.33	260.55	11.30	266.40	11.14
	65	154.26	6.57	178.97	7.80	204.00	9.05	237.60	11.03	252.23	11.95	259.20	12.43
	70	154.26	6.66	178.97	8.00	204.00	9.56	237.60	11.90	250.20	12.64	257.40	12.76
	75	154.26	7.09	178.97	8.74	204.00	10.51	237.60	13.12	245.70	13.44	252.00	13.56
	80	154.26	7.77	178.97	9.58	204.00	11.53	234.90	14.10	240.98	14.24	247.50	14.38
	85	154.26	8.49	178.97	10.48	204.00	12.64	230.40	14.91	235.80	15.05	243.00	15.20
	90	154.26	9.25	178.97	11.45	204.00	13.82	224.55	15.70	231.30	15.86	237.15	16.02
	95	154.26	10.07	178.97	12.49	204.00	15.11	219.60	16.65	226.80	16.76	232.20	16.85
	100	154.26	10.98	178.97	13.63	202.20	16.28	215.10	17.32	221.18	17.49	224.55	17.56
	105	154.26	12.04	178.97	14.99	199.60	17.44	210.00	18.24	213.00	18.42	213.00	18.42
	110	154.26	13.40	178.97	16.68	195.60	18.82	199.80	19.34	199.80	19.34	201.60	19.34
	115	154.26	14.90	168.44	18.36	173.40	19.64	173.88	19.69	174.42	19.69	174.96	19.69
	118	148.61	15.22	148.84	17.20	149.12	17.90	149.54	17.95	150.00	17.95	150.47	17.95
	122	127.80	13.85	128.00	15.65	128.25	16.29	128.60	16.34	129.00	16.34	129.40	16.34
	125	109.91	12.60	110.08	14.24	110.29	14.82	110.60	14.87	110.94	14.87	111.28	14.87

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	140.22	4.67	162.90	5.47	185.22	6.30	216.00	7.46	246.60	8.68	277.20	9.93
	14	140.22	4.77	162.90	5.58	185.22	6.43	216.00	7.62	246.60	8.86	277.20	10.14
	25	140.22	4.87	162.90	5.70	185.22	6.56	216.00	7.77	246.60	9.04	277.20	10.34
	30	140.22	4.97	162.90	5.82	185.22	6.70	216.00	7.95	246.60	9.25	277.20	10.58
	35	140.22	5.07	162.90	5.95	185.22	6.87	216.00	8.15	246.60	9.48	277.20	10.84
	40	140.22	5.18	162.90	6.09	185.22	7.03	216.00	8.35	246.60	9.71	277.20	11.10
	45	140.22	5.30	162.90	6.24	185.22	7.21	216.00	8.56	246.60	9.96	274.50	11.19
	50	140.22	5.42	162.90	6.39	185.22	7.38	216.00	8.77	246.60	10.21	271.80	11.28
	55	140.22	5.55	162.90	6.54	185.22	7.57	216.00	9.01	246.60	10.48	266.85	11.19
	60	140.22	5.69	162.90	6.72	185.22	7.78	216.00	9.25	246.60	10.77	261.00	11.27
	65	140.22	5.93	162.90	7.00	185.22	8.11	216.00	9.65	245.93	11.54	253.80	12.03
	70	140.22	6.00	162.90	7.08	185.22	8.36	216.00	10.33	243.00	12.29	252.00	12.65
	75	140.22	6.27	162.90	7.66	185.22	9.17	216.00	11.38	241.20	13.29	246.60	13.45
	80	140.22	6.85	162.90	8.39	185.22	10.05	216.00	12.50	236.48	14.14	242.10	14.26
	85	140.22	7.48	162.90	9.18	185.22	11.01	216.00	13.71	231.30	14.94	237.60	15.07
	90	140.22	8.14	162.90	10.02	185.22	12.03	216.00	15.00	226.80	15.75	231.75	15.89
	95	140.22	8.85	162.90	10.91	185.22	13.12	216.00	16.60	221.40	16.65	226.80	16.71
	100	140.22	9.63	162.90	11.88	185.22	14.32	211.50	17.18	216.90	17.37	221.85	17.52
	105	140.22	10.57	162.90	13.06	185.22	15.76	206.40	18.18	211.20	18.33	213.00	18.42
	110	140.22	11.75	162.90	14.54	185.22	17.59	199.80	19.34	199.80	19.34	201.60	19.34
	115	140.22	13.04	162.90	16.19	172.50	18.87	173.88	19.69	174.42	19.69	174.96	19.69
	118	140.22	13.82	143.35	15.10	149.12	17.30	149.54	17.95	150.00	17.95	150.47	17.95
	122	120.59	12.57	123.28	13.74	128.25	15.74	128.60	16.34	129.00	16.34	129.40	16.34
	125	103.71	11.44	106.02	12.50	110.29	14.32	110.60	14.87	110.94	14.87	111.28	14.87
90	5	126.18	4.20	146.57	4.90	167.04	5.62	194.40	6.62	221.40	7.69	248.40	8.79
	14	126.18	4.29	146.57	5.00	167.04	5.73	194.40	6.76	221.40	7.85	248.40	8.97
	25	126.18	4.37	146.57	5.10	167.04	5.85	194.40	6.90	221.40	8.01	248.40	9.15
	30	126.18	4.46	146.57	5.21	167.04	5.98	194.40	7.06	221.40	8.20	248.40	9.38
	35	126.18	4.56	146.57	5.32	167.04	6.12	194.40	7.23	221.40	8.40	248.40	9.60
	40	126.18	4.65	146.57	5.44	167.04	6.26	194.40	7.41	221.40	8.60	248.40	9.83
	45	126.18	4.76	146.57	5.57	167.04	6.41	194.40	7.59	221.40	8.82	248.40	10.08
	50	126.18	4.86	146.57	5.70	167.04	6.56	194.40	7.77	221.40	9.04	248.40	10.33
	55	126.18	4.97	146.57	5.83	167.04	6.72	194.40	7.97	221.40	9.28	248.40	10.62
	60	126.18	5.09	146.57	5.98	167.04	6.90	194.40	8.19	221.40	9.53	248.40	10.90
	65	126.18	5.30	146.57	6.23	167.04	7.18	194.40	8.54	221.40	10.01	248.40	11.77
	70	126.18	5.35	146.57	6.30	167.04	7.28	194.40	8.89	221.40	10.75	246.60	12.57
	75	126.18	5.51	146.57	6.67	167.04	7.92	194.40	9.76	221.40	11.83	241.20	13.35
	80	126.18	6.00	146.57	7.29	167.04	8.68	194.40	10.72	221.40	13.00	236.70	14.16
	85	126.18	6.54	146.57	7.96	167.04	9.49	194.40	11.74	220.95	14.19	232.20	14.95
	90	126.18	7.11	146.57	8.67	167.04	10.35	194.40	12.83	218.48	15.27	227.70	15.76
	95	126.18	7.72	146.57	9.43	167.04	11.28	194.40	14.01	216.00	16.37	221.40	16.57
	100	126.18	8.38	146.57	10.27	167.04	12.30	194.40	15.30	212.40	17.22	216.90	17.40
	105	126.18	9.18	146.57	11.27	167.04	13.52	194.40	16.84	207.30	18.21	211.80	18.42
	110	126.18	10.20	146.57	12.53	167.04	15.06	194.40	18.82	199.80	19.34	201.60	19.34
	115	126.18	11.29	146.57	13.92	166.80	18.06	173.88	19.69	174.42	19.69	174.96	19.69
	118	126.18	11.97	143.35	14.43	145.12	16.66	149.54	17.95	150.00	17.95	150.47	17.95
	122	108.51	10.89	123.28	13.13	124.80	15.16	128.60	16.34	129.00	16.34	129.40	16.34
	125	93.32	9.91	106.02	11.95	107.33	13.79	110.60	14.87	110.94	14.87	111.28	14.87
80	5	112.14	3.76	130.37	4.34	148.56	4.96	172.80	5.82	197.10	6.73	221.40	7.67
	14	112.14	3.83	130.37	4.43	148.56	5.06	172.80	5.94	197.10	6.87	221.40	7.83
	25	112.14	3.91	130.37	4.52	148.56	5.16	172.80	6.06	197.10	7.01	221.40	7.99
	30	112.14	3.97	130.37	4.61	148.56	5.27	172.80	6.19	197.10	7.17	221.40	8.17
	35	112.14	4.06	130.37	4.71	148.56	5.39	172.80	6.33	197.10	7.34	221.40	8.37
	40	112.14	4.15	130.37	4.81	148.56	5.51	172.80	6.48	197.10	7.51	221.40	8.57
	45	112.14	4.23	130.37	4.92	148.56	5.64	172.80	6.65	197.10	7.70	221.40	8.80
	50	112.14	4.32	130.37	5.03	148.56	5.76	172.80	6.81	197.10	7.89	221.40	9.03
	55	112.14	4.41	130.37	5.15	148.56	5.91	172.80	6.98	197.10	8.10	221.40	9.27
	60	112.14	4.52	130.37	5.27	148.56	6.06	172.80	7.16	197.10	8.32	221.40	9.52
	65	112.14	4.70	130.37	5.48	148.56	6.32	172.80	7.45	197.10	8.68	221.40	9.99
	70	112.14	4.74	130.37	5.55	148.56	6.39	172.80	7.56	197.10	9.06	221.40	10.72
	75	112.14	4.86	130.37	5.76	148.56	6.77	172.80	8.28	197.10	9.97	221.40	11.80
	80	112.14	5.21	130.37	6.27	148.56	7.40	172.80	9.07	197.10	10.93	221.40	12.97
	85	112.14	5.66	130.37	6.83	148.56	8.09	172.80	9.93	197.10	11.98	221.40	14.22
	90	112.14	6.16	130.37	7.44	148.56	8.82	172.80	10.83	197.10	13.09	221.40	15.53
	95	112.14	6.67	130.37	8.07	148.56	9.59	172.80	11.82	197.10	14.30	217.80	16.43
	100	112.14	7.23	130.37	8.77	148.56	10.44	172.80	12.88	197.10	15.62	211.50	17.25
	105	112.14	7.89	130.37	9.61	148.56	11.45	172.80	14.16	197.10	17.17	207.60	18.24
	110	112.14	8.75	130.37	10.67	148.56	12.74	172.80	15.79	195.30	18.82	201.60	19.34
	115	112.14	9.69	130.37	11.83	148.56	14.15	172.80	17.60	174.42	19.69	174.96	19.69
	118	112.14	10.27	130.37	12.54	145.12	14.65	149.54	16.15	150.00	17.95	150.47	17.95
	122	96.44	9.35	112.11	11.41	124.80	13.33	128.60	14.69	129.00	16.34	129.40	16.34
	125	82.94	8.51	96.42	10.39	107.33	12.13	110.60	13.37	110.94	14.87	111.28	14.87

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	98.10	3.32	114.03	3.81	130.02	4.33	151.20	5.05	172.35	5.80	194.40	6.60
	14	98.10	3.39	114.03	3.89	130.02	4.42	151.20	5.15	172.35	5.92	194.40	6.74
	25	98.10	3.46	114.03	3.97	130.02	4.51	151.20	5.26	172.35	6.04	194.40	6.87
	30	98.10	3.52	114.03	4.04	130.02	4.59	151.20	5.37	172.35	6.19	194.40	7.02
	35	98.10	3.59	114.03	4.13	130.02	4.69	151.20	5.49	172.35	6.33	194.40	7.20
	40	98.10	3.66	114.03	4.22	130.02	4.79	151.20	5.61	172.35	6.47	194.40	7.37
	45	98.10	3.73	114.03	4.31	130.02	4.91	151.20	5.74	172.35	6.63	194.40	7.55
	50	98.10	3.80	114.03	4.40	130.02	5.02	151.20	5.87	172.35	6.79	194.40	7.74
	55	98.10	3.89	114.03	4.49	130.02	5.13	151.20	6.03	172.35	6.96	194.40	7.94
	60	98.10	3.97	114.03	4.60	130.02	5.25	151.20	6.18	172.35	7.15	194.40	8.16
	65	98.10	4.11	114.03	4.78	130.02	5.46	151.20	6.44	172.35	7.45	194.40	8.50
	70	98.10	4.15	114.03	4.83	130.02	5.53	151.20	6.50	172.35	7.56	194.40	8.84
	75	98.10	4.25	114.03	4.95	130.02	5.72	151.20	6.92	172.35	8.26	194.40	9.71
	80	98.10	4.47	114.03	5.32	130.02	6.23	151.20	7.58	172.35	9.05	194.40	10.66
	85	98.10	4.86	114.03	5.80	130.02	6.80	151.20	8.27	172.35	9.89	194.40	11.68
	90	98.10	5.27	114.03	6.29	130.02	7.40	151.20	9.01	172.35	10.80	194.40	12.76
	95	98.10	5.70	114.03	6.82	130.02	8.03	151.20	9.81	172.35	11.79	194.40	13.92
	100	98.10	6.16	114.03	7.40	130.02	8.73	151.20	10.67	172.35	12.84	194.40	15.21
	105	98.10	6.72	114.03	8.08	130.02	9.56	151.20	11.71	172.35	14.13	194.40	16.75
	110	98.10	7.44	114.03	8.97	130.02	10.62	151.20	13.04	172.35	15.75	194.40	18.65
	115	98.10	8.21	114.03	9.92	130.02	11.77	151.20	14.48	170.82	18.21	174.96	19.69
	118	98.10	8.70	114.03	10.52	130.02	12.48	136.08	13.82	150.00	16.95	150.47	17.95
	122	84.37	7.92	98.07	9.57	111.82	11.35	117.03	12.57	129.00	15.43	129.40	16.34
	125	72.55	7.21	84.34	8.71	96.16	10.33	100.64	11.44	110.94	14.04	111.28	14.87
60	5	84.06	2.91	97.70	3.32	111.36	3.74	129.60	4.32	147.78	4.93	165.96	5.57
	14	84.06	2.97	97.70	3.39	111.36	3.81	129.60	4.41	147.78	5.03	165.96	5.68
	25	84.06	3.03	97.70	3.46	111.36	3.89	129.60	4.50	147.78	5.13	165.96	5.80
	30	84.06	3.08	97.70	3.52	111.36	3.96	129.60	4.58	147.78	5.24	165.96	5.93
	35	84.06	3.15	97.70	3.58	111.36	4.04	129.60	4.68	147.78	5.35	165.96	6.06
	40	84.06	3.21	97.70	3.65	111.36	4.11	129.60	4.78	147.78	5.47	165.96	6.20
	45	84.06	3.27	97.70	3.73	111.36	4.20	129.60	4.89	147.78	5.60	165.96	6.35
	50	84.06	3.33	97.70	3.80	111.36	4.29	129.60	5.00	147.78	5.73	165.96	6.50
	55	84.06	3.38	97.70	3.88	111.36	4.39	129.60	5.11	147.78	5.88	165.96	6.67
	60	84.06	3.46	97.70	3.96	111.36	4.50	129.60	5.24	147.78	6.03	165.96	6.85
	65	84.06	3.56	97.70	4.10	111.36	4.66	129.60	5.44	147.78	6.28	165.96	7.14
	70	84.06	3.61	97.70	4.14	111.36	4.71	129.60	5.51	147.78	6.35	165.96	7.22
	75	84.06	3.68	97.70	4.24	111.36	4.83	129.60	5.68	147.78	6.72	165.96	7.84
	80	84.06	3.81	97.70	4.46	111.36	5.18	129.60	6.21	147.78	7.35	165.96	8.59
	85	84.06	4.12	97.70	4.85	111.36	5.63	129.60	6.76	147.78	8.02	165.96	9.38
	90	84.06	4.45	97.70	5.26	111.36	6.12	129.60	7.35	147.78	8.74	165.96	10.24
	95	84.06	4.81	97.70	5.69	111.36	6.63	129.60	8.00	147.78	9.52	165.96	11.15
	100	84.06	5.18	97.70	6.15	111.36	7.18	129.60	8.68	147.78	10.35	165.96	12.16
	105	84.06	5.64	97.70	6.70	111.36	7.84	129.60	9.51	147.78	11.36	165.96	13.36
	110	84.06	6.22	97.70	7.41	111.36	8.69	129.60	10.56	147.78	12.63	165.96	14.90
	115	84.06	6.85	97.70	8.20	111.36	9.62	129.60	11.71	147.78	14.04	165.96	16.57
	118	84.06	7.26	97.70	8.69	111.36	10.20	129.60	12.41	135.96	13.69	150.47	15.93
	122	72.29	6.61	84.02	7.91	95.77	9.28	111.46	11.30	116.92	12.46	129.40	14.49
	125	62.17	6.01	72.26	7.19	82.36	8.44	95.85	10.28	100.55	11.34	111.28	13.19
50	5	70.02	2.51	81.36	2.83	92.70	3.15	108.00	3.59	123.21	4.05	137.52	4.54
	14	70.02	2.56	81.36	2.88	92.70	3.21	108.00	3.66	123.21	4.13	137.52	4.63
	25	70.02	2.61	81.36	2.94	92.70	3.28	108.00	3.74	123.21	4.22	137.52	4.73
	30	70.02	2.65	81.36	2.99	92.70	3.33	108.00	3.80	123.21	4.29	137.52	4.83
	35	70.02	2.70	81.36	3.03	92.70	3.38	108.00	3.87	123.21	4.38	137.52	4.93
	40	70.02	2.75	81.36	3.08	92.70	3.43	108.00	3.94	123.21	4.47	137.52	5.04
	45	70.02	2.81	81.36	3.14	92.70	3.50	108.00	4.03	123.21	4.57	137.52	5.15
	50	70.02	2.86	81.36	3.20	92.70	3.57	108.00	4.13	123.21	4.68	137.52	5.26
	55	70.02	2.88	81.36	3.26	92.70	3.66	108.00	4.20	123.21	4.79	137.52	5.41
	60	70.02	2.95	81.36	3.32	92.70	3.74	108.00	4.30	123.21	4.91	137.52	5.54
	65	70.02	3.01	81.36	3.42	92.70	3.86	108.00	4.44	123.21	5.11	137.52	5.78
	70	70.02	3.07	81.36	3.46	92.70	3.88	108.00	4.51	123.21	5.14	137.52	5.59
	75	70.02	3.10	81.36	3.53	92.70	3.94	108.00	4.44	123.21	5.18	137.52	5.98
	80	70.02	3.15	81.36	3.61	92.70	4.12	108.00	4.84	123.21	5.64	137.52	6.53
	85	70.02	3.38	81.36	3.91	92.70	4.46	108.00	5.25	123.21	6.15	137.52	7.09
	90	70.02	3.63	81.36	4.22	92.70	4.83	108.00	5.69	123.21	6.68	137.52	7.72
	95	70.02	3.92	81.36	4.55	92.70	5.22	108.00	6.19	123.21	7.24	137.52	8.38
	100	70.02	4.21	81.36	4.89	92.70	5.63	108.00	6.69	123.21	7.85	137.52	9.12
	105	70.02	4.57	81.36	5.32	92.70	6.13	108.00	7.31	123.21	8.59	137.52	9.97
	110	70.02	5.00	81.36	5.85	92.70	6.76	108.00	8.09	123.21	9.52	137.52	11.15
	115	70.02	5.49	81.36	6.47	92.70	7.47	108.00	8.94	123.21	9.86	137.52	13.45
	118	70.02	5.82	81.36	6.86	92.70	7.92	108.00	9.48	123.21	10.46	137.52	14.26
	122	60.22	5.30	69.97	6.24	79.72	7.21	92.88	8.62	105.96	9.51	118.27	12.98
	125	51.79	4.82	60.17	5.68	68.56	6.56	79.88	7.85	91.13	8.66	101.71	11.81

Tc: Total Capacity

PI: Power Input

Table 57 —38VMA240HDS5-1, 38VMA240HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	202.00	6.95	235.00	8.23	268.67	9.56	312.00	11.38	337.71	12.04	345.71	11.56
	14	202.00	7.09	235.00	8.40	268.67	9.75	312.00	11.62	337.71	12.29	345.71	11.79
	25	202.00	7.23	235.00	8.57	268.67	9.95	312.00	11.85	337.71	12.54	345.71	12.03
	30	202.00	7.40	235.00	8.77	268.67	10.18	312.00	12.13	332.00	12.46	340.00	11.94
	35	202.00	7.58	235.00	8.98	268.67	10.43	312.00	12.43	327.00	12.37	335.00	11.84
	40	202.00	7.75	235.00	9.20	268.67	10.69	312.00	12.72	322.00	12.28	330.00	11.74
	45	202.00	7.94	235.00	9.44	268.67	10.97	307.00	12.68	316.00	12.18	324.00	11.63
	50	202.00	8.13	235.00	9.67	268.67	11.25	302.00	12.64	310.00	12.08	318.00	11.52
	55	202.00	8.35	235.00	9.92	268.67	11.53	297.00	12.55	305.00	12.06	313.00	11.82
	60	202.00	8.57	235.00	10.20	268.67	11.85	292.00	12.67	300.00	12.60	308.00	12.74
	65	202.00	8.94	235.00	10.70	267.67	12.71	282.50	13.62	292.00	14.06	300.00	14.22
	70	202.00	9.15	235.00	11.36	264.67	13.47	280.00	14.27	288.00	14.43	296.00	14.59
	75	202.00	10.03	235.00	12.49	262.00	14.48	276.00	15.18	284.00	15.35	292.00	15.51
	80	202.00	11.00	235.00	13.72	257.33	15.51	269.00	16.08	277.75	16.28	286.50	16.45
	85	202.00	12.05	235.00	15.05	254.00	16.59	264.00	17.00	272.00	17.21	280.00	17.40
	90	202.00	13.16	235.00	16.41	250.67	17.67	259.00	17.92	267.00	18.14	275.00	18.33
	95	202.00	14.35	232.00	17.47	246.00	18.62	254.00	18.85	261.00	19.06	262.00	19.12
	100	202.00	15.67	226.75	18.49	239.00	19.56	248.00	19.75	249.50	19.78	249.50	19.78
	105	202.00	17.24	223.50	19.72	233.78	20.68	236.67	20.74	236.67	20.74	236.67	20.74
	110	202.00	19.22	217.00	21.15	222.00	21.79	222.00	21.79	222.00	21.79	224.00	21.79
	115	192.00	21.99	192.30	21.99	192.67	22.12	193.20	22.18	193.80	22.18	194.40	22.18
	118	165.12	20.04	165.38	20.04	165.69	20.16	166.15	20.22	166.67	20.22	167.18	20.22
	122	142.00	18.24	142.23	18.24	142.50	18.35	142.89	18.40	143.33	18.40	143.78	18.40
	125	122.12	16.60	122.31	16.60	122.55	16.70	122.89	16.75	123.27	16.75	123.65	16.75
120	5	186.80	6.37	217.70	7.53	248.00	8.72	288.00	10.37	325.86	11.94	339.71	11.90
	14	186.80	6.50	217.70	7.68	248.00	8.89	288.00	10.58	325.86	12.18	339.71	12.15
	25	186.80	6.63	217.70	7.84	248.00	9.08	288.00	10.80	325.86	12.43	339.71	12.39
	30	186.80	6.77	217.70	8.01	248.00	9.29	288.00	11.05	323.00	12.54	334.00	12.31
	35	186.80	6.93	217.70	8.20	248.00	9.52	288.00	11.33	319.50	12.57	329.00	12.21
	40	186.80	7.09	217.70	8.40	248.00	9.75	288.00	11.60	316.00	12.61	324.00	12.11
	45	186.80	7.26	217.70	8.61	248.00	10.00	288.00	11.91	311.00	12.53	318.00	12.01
	50	186.80	7.44	217.70	8.82	248.00	10.24	288.00	12.21	306.00	12.44	312.00	11.92
	55	186.80	7.64	217.70	9.06	248.00	10.52	288.00	12.53	299.75	12.34	307.00	11.95
	60	186.80	7.83	217.70	9.30	248.00	10.80	286.00	12.74	294.00	12.59	302.00	12.65
	65	186.80	8.16	217.70	9.70	248.00	11.41	278.00	13.32	286.00	13.88	294.00	14.11
	70	186.80	8.27	217.70	10.14	248.00	12.21	276.00	14.19	284.00	14.33	292.00	14.47
	75	186.80	8.99	217.70	11.13	248.00	13.45	270.00	15.10	278.00	15.23	286.00	15.39
	80	186.80	9.84	217.70	12.21	247.67	14.75	265.00	15.99	273.00	16.16	281.00	16.32
	85	186.80	10.77	217.70	13.37	245.33	15.92	260.00	16.89	268.00	17.08	275.00	17.26
	90	186.80	11.75	217.70	14.63	242.00	16.97	255.00	17.80	261.50	18.00	269.00	18.20
	95	186.80	12.80	217.70	15.97	238.67	18.06	248.00	18.82	256.00	18.97	262.00	19.12
	100	186.80	13.96	217.70	17.45	234.00	19.19	243.00	19.65	248.75	19.78	249.50	19.78
	105	186.80	15.34	216.70	19.04	230.67	20.46	236.00	20.74	236.67	20.74	236.67	20.74
	110	186.80	17.10	213.20	20.62	222.00	21.79	222.00	21.79	222.00	21.79	224.00	21.79
	115	186.80	19.02	191.00	21.25	192.67	22.12	193.20	22.18	193.80	22.18	194.40	22.18
	118	165.12	17.82	165.38	19.50	165.69	20.16	166.15	20.22	166.67	20.22	167.18	20.22
	122	142.00	16.22	142.23	17.75	142.50	18.35	142.89	18.40	143.33	18.40	143.78	18.40
	125	122.12	14.76	122.31	16.15	122.55	16.70	122.89	16.75	123.27	16.75	123.65	16.75
110	5	171.40	5.80	198.85	6.83	226.67	7.90	264.00	9.38	301.00	10.92	333.71	12.24
	14	171.40	5.92	198.85	6.97	226.67	8.06	264.00	9.57	301.00	11.14	333.71	12.49
	25	171.40	6.04	198.85	7.11	226.67	8.22	264.00	9.77	301.00	11.37	333.71	12.75
	30	171.40	6.16	198.85	7.27	226.67	8.41	264.00	9.99	301.00	11.64	328.00	12.66
	35	171.40	6.31	198.85	7.45	226.67	8.62	264.00	10.24	301.00	11.93	323.00	12.58
	40	171.40	6.46	198.85	7.62	226.67	8.82	264.00	10.48	301.00	12.21	318.00	12.51
	45	171.40	6.61	198.85	7.81	226.67	9.04	264.00	10.76	299.00	12.37	313.00	12.41
	50	171.40	6.75	198.85	7.99	226.67	9.27	264.00	11.03	297.00	12.53	308.00	12.31
	55	171.40	6.93	198.85	8.20	226.67	9.51	264.00	11.33	294.25	12.63	301.00	12.22
	60	171.40	7.11	198.85	8.42	226.67	9.76	264.00	11.63	289.50	12.73	296.00	12.55
	65	171.40	7.41	198.85	8.79	226.67	10.19	264.00	12.42	280.25	13.47	288.00	14.01
	70	171.40	7.50	198.85	9.02	226.67	10.77	264.00	13.41	278.00	14.24	286.00	14.37
	75	171.40	7.99	198.85	9.85	226.67	11.84	264.00	14.78	273.00	15.14	280.00	15.27
	80	171.40	8.76	198.85	10.79	226.67	12.99	261.00	15.89	267.75	16.04	275.00	16.20
	85	171.40	9.56	198.85	11.81	226.67	14.24	256.00	16.80	262.00	16.95	270.00	17.12
	90	171.40	10.42	198.85	12.89	226.67	15.57	249.50	17.69	257.00	17.87	263.50	18.05
	95	171.40	11.35	198.85	14.07	226.67	17.02	244.00	18.76	252.00	18.88	258.00	18.98
	100	171.40	12.36	198.85	15.35	224.67	18.34	239.00	19.51	245.75	19.71	249.50	19.78
	105	171.40	13.56	198.85	16.88	221.78	19.65	233.33	20.55	236.67	20.74	236.67	20.74
	110	171.40	15.10	198.85	18.79	217.33	21.20	222.00	21.79	222.00	21.79	224.00	21.79
	115	171.40	16.79	187.15	20.69	192.67	22.12	193.20	22.18	193.80	22.18	194.40	22.18
	118	165.12	17.14	165.38	19.38	165.69	20.16	166.15	20.22	166.67	20.22	167.18	20.22
	122	142.00	15.60	142.23	17.63	142.50	18.35	142.89	18.40	143.33	18.40	143.78	18.40
	125	122.12	14.19	122.31	16.05	122.55	16.70	122.89	16.75	123.27	16.75	123.65	16.75

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	155.80	5.27	181.00	6.16	205.80	7.10	240.00	8.41	274.00	9.78	308.00	11.19
	14	155.80	5.37	181.00	6.29	205.80	7.25	240.00	8.58	274.00	9.98	308.00	11.42
	25	155.80	5.48	181.00	6.42	205.80	7.39	240.00	8.76	274.00	10.19	308.00	11.65
	30	155.80	5.60	181.00	6.55	205.80	7.55	240.00	8.95	274.00	10.42	308.00	11.92
	35	155.80	5.71	181.00	6.71	205.80	7.74	240.00	9.18	274.00	10.68	308.00	12.21
	40	155.80	5.83	181.00	6.86	205.80	7.92	240.00	9.40	274.00	10.94	308.00	12.51
	45	155.80	5.97	181.00	7.03	205.80	8.12	240.00	9.64	274.00	11.22	305.00	12.60
	50	155.80	6.11	181.00	7.20	205.80	8.32	240.00	9.88	274.00	11.50	302.00	12.70
	55	155.80	6.25	181.00	7.37	205.80	8.53	240.00	10.14	274.00	11.81	296.50	12.61
	60	155.80	6.41	181.00	7.57	205.80	8.76	240.00	10.41	274.00	12.13	290.00	12.69
	65	155.80	6.68	181.00	7.88	205.80	9.13	240.00	10.88	273.25	13.00	282.00	13.56
	70	155.80	6.75	181.00	7.98	205.80	9.42	240.00	11.64	270.00	13.84	280.00	14.25
	75	155.80	7.07	181.00	8.63	205.80	10.33	240.00	12.82	268.00	14.97	274.00	15.16
	80	155.80	7.72	181.00	9.46	205.80	11.32	240.00	14.09	262.75	15.93	269.00	16.06
	85	155.80	8.42	181.00	10.34	205.80	12.40	240.00	15.44	257.00	16.83	264.00	16.98
	90	155.80	9.17	181.00	11.28	205.80	13.55	240.00	16.90	252.00	17.74	257.50	17.90
	95	155.80	9.97	181.00	12.28	205.80	14.78	240.00	18.70	246.00	18.76	252.00	18.83
	100	155.80	10.85	181.00	13.38	205.80	16.13	235.00	19.36	241.00	19.57	246.50	19.74
	105	155.80	11.90	181.00	14.71	205.80	17.75	229.33	20.48	234.67	20.65	236.67	20.74
	110	155.80	13.23	181.00	16.38	205.80	19.82	222.00	21.79	222.00	21.79	224.00	21.79
	115	155.80	14.68	181.00	18.23	191.67	21.26	193.20	22.18	193.80	22.18	194.40	22.18
	118	155.80	15.57	159.28	17.01	165.69	19.48	166.15	20.22	166.67	20.22	167.18	20.22
	122	133.99	14.17	136.98	15.48	142.50	17.73	142.89	18.40	143.33	18.40	143.78	18.40
	125	115.23	12.89	117.80	14.08	122.55	16.13	122.89	16.75	123.27	16.75	123.65	16.75
90	5	140.20	4.73	162.85	5.52	185.60	6.33	216.00	7.46	246.00	8.66	276.00	9.90
	14	140.20	4.83	162.85	5.63	185.60	6.46	216.00	7.61	246.00	8.84	276.00	10.10
	25	140.20	4.93	162.85	5.75	185.60	6.59	216.00	7.77	246.00	9.02	276.00	10.31
	30	140.20	5.03	162.85	5.87	185.60	6.73	216.00	7.95	246.00	9.24	276.00	10.56
	35	140.20	5.13	162.85	6.00	185.60	6.89	216.00	8.15	246.00	9.46	276.00	10.82
	40	140.20	5.24	162.85	6.13	185.60	7.05	216.00	8.34	246.00	9.69	276.00	11.07
	45	140.20	5.36	162.85	6.27	185.60	7.22	216.00	8.55	246.00	9.93	276.00	11.36
	50	140.20	5.48	162.85	6.42	185.60	7.39	216.00	8.76	246.00	10.18	276.00	11.64
	55	140.20	5.60	162.85	6.56	185.60	7.57	216.00	8.98	246.00	10.45	276.00	11.96
	60	140.20	5.73	162.85	6.73	185.60	7.77	216.00	9.23	246.00	10.73	276.00	12.28
	65	140.20	5.97	162.85	7.02	185.60	8.09	216.00	9.62	246.00	11.28	276.00	13.26
	70	140.20	6.03	162.85	7.10	185.60	8.21	216.00	10.01	246.00	12.11	274.00	14.15
	75	140.20	6.20	162.85	7.51	185.60	8.92	216.00	10.99	246.00	13.33	268.00	15.04
	80	140.20	6.76	162.85	8.21	185.60	9.78	216.00	12.08	246.00	14.65	263.00	15.95
	85	140.20	7.37	162.85	8.97	185.60	10.69	216.00	13.22	245.50	15.99	258.00	16.84
	90	140.20	8.01	162.85	9.77	185.60	11.66	216.00	14.45	242.75	17.21	253.00	17.76
	95	140.20	8.70	162.85	10.63	185.60	12.71	216.00	15.78	240.00	18.44	246.00	18.67
	100	140.20	9.44	162.85	11.57	185.60	13.86	216.00	17.23	236.00	19.40	241.00	19.60
	105	140.20	10.35	162.85	12.69	185.60	15.23	216.00	18.97	230.33	20.52	235.33	20.74
	110	140.20	11.48	162.85	14.12	185.60	16.96	216.00	21.20	222.00	21.79	224.00	21.79
	115	140.20	12.72	162.85	15.68	185.33	20.35	193.20	22.18	193.80	22.18	194.40	22.18
	118	140.20	13.49	159.28	16.26	161.24	18.76	166.15	20.22	166.67	20.22	167.18	20.22
	122	120.57	12.27	136.98	14.79	138.67	17.07	142.89	18.40	143.33	18.40	143.78	18.40
	125	103.69	11.17	117.80	13.46	119.25	15.54	122.89	16.75	123.27	16.75	123.65	16.75
80	5	124.60	4.23	144.85	4.89	165.07	5.58	192.00	6.56	219.00	7.58	246.00	8.64
	14	124.60	4.32	144.85	4.99	165.07	5.70	192.00	6.69	219.00	7.74	246.00	8.82
	25	124.60	4.41	144.85	5.10	165.07	5.81	192.00	6.83	219.00	7.90	246.00	9.00
	30	124.60	4.48	144.85	5.20	165.07	5.94	192.00	6.97	219.00	8.08	246.00	9.21
	35	124.60	4.57	144.85	5.31	165.07	6.07	192.00	7.14	219.00	8.27	246.00	9.43
	40	124.60	4.67	144.85	5.42	165.07	6.21	192.00	7.30	219.00	8.46	246.00	9.66
	45	124.60	4.77	144.85	5.54	165.07	6.35	192.00	7.49	219.00	8.68	246.00	9.91
	50	124.60	4.87	144.85	5.66	165.07	6.49	192.00	7.68	219.00	8.89	246.00	10.17
	55	124.60	4.97	144.85	5.80	165.07	6.66	192.00	7.86	219.00	9.13	246.00	10.44
	60	124.60	5.09	144.85	5.94	165.07	6.83	192.00	8.07	219.00	9.37	246.00	10.72
	65	124.60	5.29	144.85	6.18	165.07	7.12	192.00	8.40	219.00	9.78	246.00	11.25
	70	124.60	5.34	144.85	6.25	165.07	7.20	192.00	8.52	219.00	10.21	246.00	12.07
	75	124.60	5.48	144.85	6.49	165.07	7.63	192.00	9.33	219.00	11.23	246.00	13.29
	80	124.60	5.87	144.85	7.06	165.07	8.34	192.00	10.22	219.00	12.31	246.00	14.61
	85	124.60	6.38	144.85	7.70	165.07	9.11	192.00	11.18	219.00	13.49	246.00	16.02
	90	124.60	6.94	144.85	8.38	165.07	9.93	192.00	12.20	219.00	14.75	246.00	17.49
	95	124.60	7.52	144.85	9.09	165.07	10.80	192.00	13.31	219.00	16.11	242.00	18.51
	100	124.60	8.14	144.85	9.88	165.07	11.76	192.00	14.51	219.00	17.60	235.00	19.44
	105	124.60	8.89	144.85	10.82	165.07	12.90	192.00	15.95	219.00	19.35	230.67	20.55
	110	124.60	9.86	144.85	12.02	165.07	14.35	192.00	17.79	217.00	21.20	224.00	21.79
	115	124.60	10.92	144.85	13.33	165.07	15.94	192.00	19.83	193.80	22.18	194.40	22.18
	118	124.60	11.57	144.85	14.13	161.24	16.51	166.15	18.19	166.67	20.22	167.18	20.22
	122	107.16	10.53	124.57	12.86	138.67	15.02	142.89	16.55	143.33	18.40	143.78	18.40
	125	92.15	9.58	107.13	11.70	119.25	13.67	122.89	15.06	123.27	16.75	123.65	16.75

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	109.00	3.74	126.70	4.30	144.47	4.88	168.00	5.69	191.50	6.54	216.00	7.44
	14	109.00	3.82	126.70	4.38	144.47	4.97	168.00	5.80	191.50	6.67	216.00	7.59
	25	109.00	3.90	126.70	4.47	144.47	5.08	168.00	5.92	191.50	6.81	216.00	7.74
	30	109.00	3.97	126.70	4.55	144.47	5.17	168.00	6.05	191.50	6.97	216.00	7.91
	35	109.00	4.04	126.70	4.66	144.47	5.28	168.00	6.18	191.50	7.13	216.00	8.11
	40	109.00	4.12	126.70	4.76	144.47	5.40	168.00	6.32	191.50	7.29	216.00	8.30
	45	109.00	4.20	126.70	4.86	144.47	5.53	168.00	6.47	191.50	7.47	216.00	8.51
	50	109.00	4.28	126.70	4.96	144.47	5.65	168.00	6.62	191.50	7.65	216.00	8.72
	55	109.00	4.38	126.70	5.06	144.47	5.77	168.00	6.79	191.50	7.85	216.00	8.94
	60	109.00	4.48	126.70	5.18	144.47	5.92	168.00	6.96	191.50	8.05	216.00	9.19
	65	109.00	4.63	126.70	5.39	144.47	6.16	168.00	7.25	191.50	8.40	216.00	9.58
	70	109.00	4.67	126.70	5.44	144.47	6.23	168.00	7.32	191.50	8.52	216.00	9.95
	75	109.00	4.79	126.70	5.57	144.47	6.45	168.00	7.79	191.50	9.31	216.00	10.94
	80	109.00	5.04	126.70	6.00	144.47	7.02	168.00	8.54	191.50	10.20	216.00	12.01
	85	109.00	5.48	126.70	6.53	144.47	7.66	168.00	9.32	191.50	11.15	216.00	13.15
	90	109.00	5.93	126.70	7.09	144.47	8.34	168.00	10.15	191.50	12.17	216.00	14.38
	95	109.00	6.42	126.70	7.69	144.47	9.05	168.00	11.05	191.50	13.28	216.00	15.69
	100	109.00	6.94	126.70	8.34	144.47	9.83	168.00	12.02	191.50	14.47	216.00	17.13
	105	109.00	7.56	126.70	9.11	144.47	10.77	168.00	13.19	191.50	15.91	216.00	18.87
	110	109.00	8.38	126.70	10.11	144.47	11.96	168.00	14.68	191.50	17.74	216.00	21.01
	115	109.00	9.25	126.70	11.18	144.47	13.26	168.00	16.31	189.80	20.52	194.40	22.18
	118	109.00	9.80	126.70	11.85	144.47	14.05	151.20	15.56	166.67	19.10	167.18	20.22
	122	93.74	8.92	108.96	10.78	124.24	12.79	130.03	14.16	143.33	17.38	143.78	18.40
	125	80.62	8.12	93.71	9.81	106.85	11.64	111.83	12.89	123.27	15.81	123.65	16.75
60	5	93.40	3.28	108.55	3.74	123.73	4.21	144.00	4.86	164.20	5.55	184.40	6.28
	14	93.40	3.35	108.55	3.82	123.73	4.30	144.00	4.96	164.20	5.66	184.40	6.40
	25	93.40	3.42	108.55	3.89	123.73	4.38	144.00	5.07	164.20	5.78	184.40	6.53
	30	93.40	3.47	108.55	3.96	123.73	4.46	144.00	5.16	164.20	5.90	184.40	6.67
	35	93.40	3.54	108.55	4.04	123.73	4.55	144.00	5.27	164.20	6.03	184.40	6.83
	40	93.40	3.61	108.55	4.11	123.73	4.63	144.00	5.38	164.20	6.16	184.40	6.99
	45	93.40	3.68	108.55	4.20	123.73	4.73	144.00	5.51	164.20	6.31	184.40	7.16
	50	93.40	3.75	108.55	4.28	123.73	4.84	144.00	5.63	164.20	6.46	184.40	7.32
	55	93.40	3.81	108.55	4.37	123.73	4.95	144.00	5.76	164.20	6.62	184.40	7.52
	60	93.40	3.90	108.55	4.46	123.73	5.07	144.00	5.90	164.20	6.79	184.40	7.72
	65	93.40	4.01	108.55	4.62	123.73	5.25	144.00	6.13	164.20	7.07	184.40	8.04
	70	93.40	4.06	108.55	4.67	123.73	5.30	144.00	6.20	164.20	7.16	184.40	8.13
	75	93.40	4.14	108.55	4.78	123.73	5.44	144.00	6.40	164.20	7.57	184.40	8.83
	80	93.40	4.29	108.55	5.03	123.73	5.83	144.00	6.99	164.20	8.27	184.40	9.68
	85	93.40	4.64	108.55	5.47	123.73	6.34	144.00	7.62	164.20	9.04	184.40	10.57
	90	93.40	5.01	108.55	5.92	123.73	6.89	144.00	8.28	164.20	9.85	184.40	11.54
	95	93.40	5.42	108.55	6.41	123.73	7.47	144.00	9.01	164.20	10.72	184.40	12.56
	100	93.40	5.84	108.55	6.92	123.73	8.09	144.00	9.78	164.20	11.66	184.40	13.70
	105	93.40	6.35	108.55	7.55	123.73	8.84	144.00	10.71	164.20	12.80	184.40	15.05
	110	93.40	7.01	108.55	8.35	123.73	9.79	144.00	11.90	164.20	14.23	184.40	16.79
	115	93.40	7.72	108.55	9.23	123.73	10.84	144.00	13.19	164.20	15.81	184.40	18.67
	118	93.40	8.18	108.55	9.79	123.73	11.49	144.00	13.98	151.06	15.42	167.18	17.94
	122	80.32	7.44	93.35	8.91	106.41	10.45	123.84	12.73	129.92	14.03	143.78	16.33
	125	69.08	6.77	80.28	8.10	91.51	9.51	106.50	11.58	111.73	12.77	123.65	14.86
50	5	77.80	2.83	90.40	3.18	103.00	3.54	120.00	4.04	136.90	4.56	152.80	5.12
	14	77.80	2.88	90.40	3.25	103.00	3.62	120.00	4.13	136.90	4.66	152.80	5.22
	25	77.80	2.94	90.40	3.31	103.00	3.69	120.00	4.21	136.90	4.75	152.80	5.33
	30	77.80	2.98	90.40	3.37	103.00	3.76	120.00	4.28	136.90	4.83	152.80	5.44
	35	77.80	3.04	90.40	3.42	103.00	3.81	120.00	4.36	136.90	4.93	152.80	5.56
	40	77.80	3.10	90.40	3.47	103.00	3.87	120.00	4.44	136.90	5.04	152.80	5.67
	45	77.80	3.16	90.40	3.54	103.00	3.94	120.00	4.54	136.90	5.15	152.80	5.80
	50	77.80	3.22	90.40	3.60	103.00	4.02	120.00	4.65	136.90	5.27	152.80	5.93
	55	77.80	3.24	90.40	3.68	103.00	4.13	120.00	4.74	136.90	5.40	152.80	6.10
	60	77.80	3.32	90.40	3.74	103.00	4.21	120.00	4.84	136.90	5.53	152.80	6.24
	65	77.80	3.40	90.40	3.86	103.00	4.35	120.00	5.00	136.90	5.75	152.80	6.51
	70	77.80	3.46	90.40	3.90	103.00	4.37	120.00	5.08	136.90	5.79	152.80	6.30
	75	77.80	3.49	90.40	3.98	103.00	4.44	120.00	5.01	136.90	5.83	152.80	6.73
	80	77.80	3.54	90.40	4.06	103.00	4.64	120.00	5.45	136.90	6.35	152.80	7.35
	85	77.80	3.81	90.40	4.40	103.00	5.03	120.00	5.92	136.90	6.93	152.80	7.99
	90	77.80	4.09	90.40	4.75	103.00	5.45	120.00	6.41	136.90	7.53	152.80	8.70
	95	77.80	4.42	90.40	5.12	103.00	5.88	120.00	6.97	136.90	8.16	152.80	9.44
	100	77.80	4.74	90.40	5.51	103.00	6.34	120.00	7.54	136.90	8.85	152.80	10.28
	105	77.80	5.14	90.40	6.00	103.00	6.90	120.00	8.23	136.90	9.68	152.80	11.24
	110	77.80	5.63	90.40	6.59	103.00	7.62	120.00	9.11	136.90	10.73	152.80	12.56
	115	77.80	6.18	90.40	7.29	103.00	8.42	120.00	10.07	136.90	11.11	152.80	15.16
	118	77.80	6.56	90.40	7.73	103.00	8.92	120.00	10.68	136.90	11.78	152.80	16.07
	122	66.91	5.97	77.74	7.03	88.58	8.12	103.20	9.71	117.73	10.72	131.41	14.62
	125	57.54	5.43	66.86	6.40	76.18	7.39	88.75	8.84	101.25	9.75	113.01	13.30

Tc: Total Capacity

PI: Power Input

Table 58 —38VMA264HDS5-1, 38VMA264HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	222.20	8.99	258.50	10.65	295.53	12.37	343.20	14.73	371.49	15.59	380.29	14.96
	14	222.20	9.17	258.50	10.87	295.53	12.62	343.20	15.03	371.49	15.90	380.29	15.26
	25	222.20	9.36	258.50	11.09	295.53	12.88	343.20	15.34	371.49	16.23	380.29	15.57
	30	222.20	9.58	258.50	11.35	295.53	13.18	343.20	15.70	365.20	16.12	374.00	15.45
	35	222.20	9.81	258.50	11.63	295.53	13.50	343.20	16.08	359.70	16.01	368.50	15.32
	40	222.20	10.04	258.50	11.90	295.53	13.83	343.20	16.46	354.20	15.89	363.00	15.19
	45	222.20	10.28	258.50	12.21	295.53	14.19	337.70	16.41	347.60	15.76	356.40	15.05
	50	222.20	10.52	258.50	12.52	295.53	14.56	332.20	16.36	341.00	15.64	349.80	14.91
	55	222.20	10.80	258.50	12.84	295.53	14.93	326.70	16.24	335.50	15.61	344.30	15.30
	60	222.20	11.09	258.50	13.20	295.53	15.34	321.20	16.40	330.00	16.31	338.80	16.49
	65	222.20	11.57	258.50	13.84	294.43	16.45	310.75	17.63	321.20	18.20	330.00	18.40
	70	222.20	11.84	258.50	14.70	291.13	17.43	308.00	18.47	316.80	18.67	325.60	18.88
	75	222.20	12.98	258.50	16.16	288.20	18.73	303.60	19.64	312.40	19.87	321.20	20.07
	80	222.20	14.24	258.50	17.76	283.07	20.07	295.90	20.81	305.53	21.06	315.15	21.28
	85	222.20	15.60	258.50	19.48	279.40	21.46	290.40	22.00	299.20	22.27	308.00	22.52
	90	222.20	17.04	258.50	21.24	275.73	22.87	284.90	23.19	293.70	23.48	302.50	23.72
	95	222.20	18.57	255.20	22.61	270.60	24.09	279.40	24.39	287.10	24.67	288.20	24.75
	100	222.20	20.27	249.43	23.93	262.90	25.31	272.80	25.56	274.45	25.60	274.45	25.60
	105	222.20	22.31	245.85	25.52	257.16	26.76	260.33	26.85	260.33	26.85	260.33	26.85
	110	222.20	24.87	238.70	27.37	244.20	28.20	244.20	28.20	244.20	28.20	246.40	28.20
	115	211.20	28.46	211.53	28.46	211.93	28.62	212.52	28.71	213.18	28.71	213.84	28.71
	118	181.63	25.94	181.92	25.94	182.26	26.09	182.77	26.17	183.33	26.17	183.90	26.17
	122	156.20	23.61	156.45	23.61	156.75	23.75	157.18	23.82	157.67	23.82	158.16	23.82
	125	134.34	21.48	134.54	21.48	134.80	21.61	135.17	21.67	135.59	21.67	136.01	21.67
120	5	205.48	8.24	239.47	9.74	272.80	11.28	316.80	13.42	358.44	15.45	373.69	15.40
	14	205.48	8.41	239.47	9.94	272.80	11.51	316.80	13.70	358.44	15.76	373.69	15.72
	25	205.48	8.58	239.47	10.14	272.80	11.75	316.80	13.98	358.44	16.09	373.69	16.04
	30	205.48	8.77	239.47	10.37	272.80	12.02	316.80	14.30	355.30	16.22	367.40	15.93
	35	205.48	8.97	239.47	10.62	272.80	12.32	316.80	14.66	351.45	16.27	361.90	15.80
	40	205.48	9.17	239.47	10.87	272.80	12.62	316.80	15.02	347.60	16.32	356.40	15.68
	45	205.48	9.40	239.47	11.14	272.80	12.94	316.80	15.41	342.10	16.21	349.80	15.55
	50	205.48	9.63	239.47	11.42	272.80	13.25	316.80	15.80	336.60	16.09	343.20	15.42
	55	205.48	9.88	239.47	11.72	272.80	13.61	316.80	16.22	329.73	15.97	337.70	15.47
	60	205.48	10.14	239.47	12.03	272.80	13.98	314.60	16.49	323.40	16.30	332.20	16.37
	65	205.48	10.56	239.47	12.56	272.80	14.76	305.80	17.24	314.60	17.96	323.40	18.25
	70	205.48	10.70	239.47	13.12	272.80	15.80	303.60	18.37	312.40	18.55	321.20	18.72
	75	205.48	11.64	239.47	14.40	272.80	17.40	297.00	19.54	305.80	19.72	314.60	19.92
	80	205.48	12.73	239.47	15.80	272.43	19.09	291.50	20.69	300.30	20.92	309.10	21.13
	85	205.48	13.94	239.47	17.31	269.87	20.60	286.00	21.86	294.80	22.10	302.50	22.33
	90	205.48	15.21	239.47	18.93	266.20	21.96	280.50	23.04	287.65	23.30	295.90	23.56
	95	205.48	16.57	239.47	20.66	262.53	23.37	272.80	24.35	281.60	24.55	288.20	24.75
	100	205.48	18.07	239.47	22.58	257.40	24.83	267.30	25.43	273.63	25.60	274.45	25.60
	105	205.48	19.85	238.37	24.64	253.73	26.47	259.60	26.85	260.33	26.85	260.33	26.85
	110	205.48	22.13	234.52	26.68	244.20	28.20	244.20	28.20	244.20	28.20	246.40	28.20
	115	205.48	24.62	210.10	27.50	211.93	28.62	212.52	28.71	213.18	28.71	213.84	28.71
	118	181.63	23.07	181.92	25.24	182.26	26.09	182.77	26.17	183.33	26.17	183.90	26.17
	122	156.20	20.99	156.45	22.96	156.75	23.75	157.18	23.82	157.67	23.82	158.16	23.82
	125	134.34	19.10	134.54	20.90	134.80	21.61	135.17	21.67	135.59	21.67	136.01	21.67
110	5	188.54	7.50	218.74	8.84	249.33	10.22	290.40	12.14	331.10	14.13	367.09	15.84
	14	188.54	7.66	218.74	9.02	249.33	10.43	290.40	12.39	331.10	14.42	367.09	16.17
	25	188.54	7.81	218.74	9.20	249.33	10.64	290.40	12.64	331.10	14.71	367.09	16.50
	30	188.54	7.98	218.74	9.41	249.33	10.88	290.40	12.93	331.10	15.07	360.80	16.39
	35	188.54	8.17	218.74	9.64	249.33	11.15	290.40	13.25	331.10	15.43	355.30	16.29
	40	188.54	8.36	218.74	9.86	249.33	11.42	290.40	13.57	331.10	15.80	349.80	16.18
	45	188.54	8.55	218.74	10.10	249.33	11.70	290.40	13.92	328.90	16.01	344.30	16.06
	50	188.54	8.74	218.74	10.34	249.33	11.99	290.40	14.28	326.70	16.21	338.80	15.93
	55	188.54	8.96	218.74	10.61	249.33	12.30	290.40	14.66	323.68	16.34	331.10	15.82
	60	188.54	9.20	218.74	10.89	249.33	12.64	290.40	15.05	318.45	16.47	325.60	16.25
	65	188.54	9.58	218.74	11.37	249.33	13.19	290.40	16.08	308.28	17.43	316.80	18.13
	70	188.54	9.71	218.74	11.67	249.33	13.93	290.40	17.35	305.80	18.43	314.60	18.60
	75	188.54	10.34	218.74	12.74	249.33	15.32	290.40	19.13	300.30	19.59	308.00	19.77
	80	188.54	11.33	218.74	13.96	249.33	16.81	287.10	20.56	294.53	20.76	302.50	20.97
	85	188.54	12.37	218.74	15.28	249.33	18.42	281.60	21.74	288.20	21.94	297.00	22.15
	90	188.54	13.49	218.74	16.69	249.33	20.15	274.45	22.89	282.70	23.12	289.85	23.36
	95	188.54	14.68	218.74	18.21	249.33	22.03	268.40	24.28	277.20	24.43	283.80	24.57
	100	188.54	16.00	218.74	19.87	247.13	23.74	262.90	25.25	270.33	25.50	274.45	25.60
	105	188.54	17.55	218.74	21.85	243.96	25.43	256.67	26.59	260.33	26.85	260.33	26.85
	110	188.54	19.54	218.74	24.32	239.07	27.44	244.20	28.20	244.20	28.20	246.40	28.20
	115	188.54	21.72	205.87	26.77	211.93	28.62	212.52	28.71	213.18	28.71	213.84	28.71
	118	181.63	22.18	181.92	25.08	182.26	26.09	182.77	26.17	183.33	26.17	183.90	26.17
	122	156.20	20.19	156.45	22.82	156.75	23.75	157.18	23.82	157.67	23.82	158.16	23.82
	125	134.34	18.37	134.54	20.77	134.80	21.61	135.17	21.67	135.59	21.67	136.01	21.67

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	171.38	6.81	199.10	7.98	226.38	9.19	264.00	10.88	301.40	12.66	338.80	14.48
	14	171.38	6.95	199.10	8.14	226.38	9.38	264.00	11.10	301.40	12.92	338.80	14.78
	25	171.38	7.10	199.10	8.31	226.38	9.57	264.00	11.33	301.40	13.18	338.80	15.08
	30	171.38	7.24	199.10	8.48	226.38	9.77	264.00	11.59	301.40	13.49	338.80	15.42
	35	171.38	7.39	199.10	8.68	226.38	10.01	264.00	11.88	301.40	13.82	338.80	15.80
	40	171.38	7.55	199.10	8.88	226.38	10.26	264.00	12.17	301.40	14.15	338.80	16.18
	45	171.38	7.72	199.10	9.10	226.38	10.51	264.00	12.47	301.40	14.52	335.50	16.31
	50	171.38	7.90	199.10	9.31	226.38	10.76	264.00	12.78	301.40	14.89	332.20	16.44
	55	171.38	8.09	199.10	9.54	226.38	11.04	264.00	13.13	301.40	15.29	326.15	16.32
	60	171.38	8.30	199.10	9.79	226.38	11.34	264.00	13.48	301.40	15.69	319.00	16.43
	65	171.38	8.65	199.10	10.20	226.38	11.82	264.00	14.08	300.58	16.82	310.20	17.54
	70	171.38	8.74	199.10	10.32	226.38	12.19	264.00	15.07	297.00	17.91	308.00	18.45
	75	171.38	9.15	199.10	11.17	226.38	13.36	264.00	16.59	294.80	19.37	301.40	19.61
	80	171.38	9.98	199.10	12.24	226.38	14.65	264.00	18.23	289.03	20.62	295.90	20.79
	85	171.38	10.90	199.10	13.38	226.38	16.05	264.00	19.98	282.70	21.79	290.40	21.98
	90	171.38	11.87	199.10	14.60	226.38	17.54	264.00	21.87	277.20	22.96	283.25	23.16
	95	171.38	12.91	199.10	15.90	226.38	19.13	264.00	24.20	270.60	24.28	277.20	24.36
	100	171.38	14.04	199.10	17.32	226.38	20.88	258.50	25.05	265.10	25.33	271.15	25.54
	105	171.38	15.40	199.10	19.04	226.38	22.98	252.27	26.51	258.13	26.72	260.33	26.85
	110	171.38	17.12	199.10	21.20	226.38	25.64	244.20	28.20	244.20	28.20	246.40	28.20
	115	171.38	19.00	199.10	23.60	210.83	27.52	212.52	28.71	213.18	28.71	213.84	28.71
	118	171.38	20.14	175.21	22.01	182.26	25.21	182.77	26.17	183.33	26.17	183.90	26.17
	122	147.39	18.33	150.68	20.03	156.75	22.94	157.18	23.82	157.67	23.82	158.16	23.82
	125	126.75	16.68	129.58	18.23	134.80	20.88	135.17	21.67	135.59	21.67	136.01	21.67
90	5	154.22	6.12	179.14	7.14	204.16	8.19	237.60	9.66	270.60	11.21	303.60	12.81
	14	154.22	6.25	179.14	7.29	204.16	8.36	237.60	9.85	270.60	11.44	303.60	13.08
	25	154.22	6.38	179.14	7.44	204.16	8.53	237.60	10.05	270.60	11.67	303.60	13.34
	30	154.22	6.50	179.14	7.59	204.16	8.71	237.60	10.29	270.60	11.95	303.60	13.67
	35	154.22	6.64	179.14	7.76	204.16	8.92	237.60	10.54	270.60	12.25	303.60	14.00
	40	154.22	6.78	179.14	7.93	204.16	9.12	237.60	10.80	270.60	12.54	303.60	14.33
	45	154.22	6.94	179.14	8.12	204.16	9.34	237.60	11.06	270.60	12.86	303.60	14.70
	50	154.22	7.09	179.14	8.31	204.16	9.56	237.60	11.33	270.60	13.17	303.60	15.07
	55	154.22	7.25	179.14	8.50	204.16	9.80	237.60	11.62	270.60	13.53	303.60	15.48
	60	154.22	7.42	179.14	8.71	204.16	10.06	237.60	11.94	270.60	13.89	303.60	15.89
	65	154.22	7.72	179.14	9.08	204.16	10.47	237.60	12.45	270.60	14.60	303.60	17.16
	70	154.22	7.80	179.14	9.19	204.16	10.62	237.60	12.96	270.60	15.68	301.40	18.32
	75	154.22	8.03	179.14	9.72	204.16	11.54	237.60	14.23	270.60	17.25	294.80	19.46
	80	154.22	8.75	179.14	10.63	204.16	12.65	237.60	15.63	270.60	18.96	289.30	20.64
	85	154.22	9.54	179.14	11.61	204.16	13.83	237.60	17.11	270.05	20.69	283.80	21.80
	90	154.22	10.37	179.14	12.64	204.16	15.09	237.60	18.71	267.03	22.27	278.30	22.98
	95	154.22	11.26	179.14	13.75	204.16	16.45	237.60	20.43	264.00	23.87	270.60	24.16
	100	154.22	12.22	179.14	14.97	204.16	17.93	237.60	22.30	259.60	25.11	265.10	25.37
	105	154.22	13.39	179.14	16.43	204.16	19.71	237.60	24.55	253.37	26.55	258.87	26.85
	110	154.22	14.86	179.14	18.27	204.16	21.95	237.60	27.44	244.20	28.20	246.40	28.20
	115	154.22	16.46	179.14	20.29	203.87	26.33	212.52	28.71	213.18	28.71	213.84	28.71
	118	154.22	17.45	175.21	21.04	177.36	24.28	182.77	26.17	183.33	26.17	183.90	26.17
	122	132.63	15.88	150.68	19.15	152.53	22.10	157.18	23.82	157.67	23.82	158.16	23.82
	125	114.06	14.45	129.58	17.42	131.18	20.11	135.17	21.67	135.59	21.67	136.01	21.67
80	5	137.06	5.48	159.34	6.33	181.57	7.23	211.20	8.49	240.90	9.81	270.60	11.18
	14	137.06	5.59	159.34	6.46	181.57	7.37	211.20	8.66	240.90	10.01	270.60	11.41
	25	137.06	5.70	159.34	6.59	181.57	7.52	211.20	8.84	240.90	10.22	270.60	11.64
	30	137.06	5.79	159.34	6.73	181.57	7.68	211.20	9.02	240.90	10.45	270.60	11.92
	35	137.06	5.92	159.34	6.87	181.57	7.86	211.20	9.24	240.90	10.70	270.60	12.21
	40	137.06	6.05	159.34	7.02	181.57	8.04	211.20	9.45	240.90	10.95	270.60	12.50
	45	137.06	6.17	159.34	7.17	181.57	8.22	211.20	9.69	240.90	11.23	270.60	12.83
	50	137.06	6.30	159.34	7.33	181.57	8.40	211.20	9.93	240.90	11.51	270.60	13.16
	55	137.06	6.43	159.34	7.51	181.57	8.61	211.20	10.17	240.90	11.81	270.60	13.51
	60	137.06	6.59	159.34	7.69	181.57	8.83	211.20	10.44	240.90	12.13	270.60	13.87
	65	137.06	6.85	159.34	8.00	181.57	9.21	211.20	10.87	240.90	12.66	270.60	14.56
	70	137.06	6.91	159.34	8.09	181.57	9.32	211.20	11.03	240.90	13.21	270.60	15.62
	75	137.06	7.09	159.34	8.40	181.57	9.87	211.20	12.07	240.90	14.53	270.60	17.20
	80	137.06	7.60	159.34	9.14	181.57	10.79	211.20	13.22	240.90	15.94	270.60	18.90
	85	137.06	8.26	159.34	9.96	181.57	11.79	211.20	14.47	240.90	17.46	270.60	20.73
	90	137.06	8.97	159.34	10.85	181.57	12.85	211.20	15.79	240.90	19.09	270.60	22.64
	95	137.06	9.73	159.34	11.77	181.57	13.97	211.20	17.23	240.90	20.85	266.20	23.96
	100	137.06	10.54	159.34	12.79	181.57	15.21	211.20	18.78	240.90	22.78	258.50	25.15
	105	137.06	11.51	159.34	14.01	181.57	16.69	211.20	20.65	240.90	25.04	253.73	26.59
	110	137.06	12.75	159.34	15.56	181.57	18.57	211.20	23.02	238.70	27.44	246.40	28.20
	115	137.06	14.13	159.34	17.25	181.57	20.63	211.20	25.66	213.18	28.71	213.84	28.71
	118	137.06	14.97	159.34	18.29	177.36	21.36	182.77	23.54	183.33	26.17	183.90	26.17
	122	117.87	13.63	137.03	16.64	152.53	19.44	157.18	21.42	157.67	23.82	158.16	23.82
	125	101.37	12.40	117.84	15.14	131.18	17.69	135.17	19.49	135.59	21.67	136.01	21.67

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	119.90	4.84	139.37	5.56	158.91	6.31	184.80	7.36	210.65	8.46	237.60	9.62
	14	119.90	4.94	139.37	5.67	158.91	6.44	184.80	7.51	210.65	8.63	237.60	9.82
	25	119.90	5.04	139.37	5.79	158.91	6.57	184.80	7.66	210.65	8.81	237.60	10.02
	30	119.90	5.13	139.37	5.89	158.91	6.69	184.80	7.83	210.65	9.02	237.60	10.24
	35	119.90	5.23	139.37	6.02	158.91	6.84	184.80	8.00	210.65	9.23	237.60	10.49
	40	119.90	5.34	139.37	6.15	158.91	6.99	184.80	8.18	210.65	9.44	237.60	10.75
	45	119.90	5.44	139.37	6.28	158.91	7.15	184.80	8.37	210.65	9.67	237.60	11.01
	50	119.90	5.54	139.37	6.42	158.91	7.32	184.80	8.56	210.65	9.90	237.60	11.28
	55	119.90	5.67	139.37	6.55	158.91	7.47	184.80	8.78	210.65	10.15	237.60	11.57
	60	119.90	5.79	139.37	6.71	158.91	7.66	184.80	9.01	210.65	10.42	237.60	11.89
	65	119.90	6.00	139.37	6.97	158.91	7.97	184.80	9.38	210.65	10.86	237.60	12.40
	70	119.90	6.05	139.37	7.04	158.91	8.06	184.80	9.48	210.65	11.03	237.60	12.88
	75	119.90	6.20	139.37	7.21	158.91	8.34	184.80	10.09	210.65	12.04	237.60	14.15
	80	119.90	6.52	139.37	7.76	158.91	9.09	184.80	11.05	210.65	13.20	237.60	15.54
	85	119.90	7.09	139.37	8.45	158.91	9.91	184.80	12.06	210.65	14.42	237.60	17.02
	90	119.90	7.68	139.37	9.17	158.91	10.79	184.80	13.14	210.65	15.75	237.60	18.60
	95	119.90	8.31	139.37	9.95	158.91	11.71	184.80	14.30	210.65	17.19	237.60	20.30
	100	119.90	8.98	139.37	10.79	158.91	12.72	184.80	15.56	210.65	18.72	237.60	22.17
	105	119.90	9.79	139.37	11.78	158.91	13.94	184.80	17.07	210.65	20.59	237.60	24.42
	110	119.90	10.85	139.37	13.08	158.91	15.48	184.80	19.00	210.65	22.95	237.60	27.18
	115	119.90	11.97	139.37	14.46	158.91	17.16	184.80	21.11	208.78	26.55	213.84	28.71
	118	119.90	12.68	139.37	15.33	158.91	18.19	166.32	20.14	183.33	24.71	183.90	26.17
	122	103.11	11.54	119.86	13.95	136.67	16.55	143.04	18.33	157.67	22.49	158.16	23.82
	125	88.68	10.50	103.08	12.70	117.53	15.06	123.01	16.68	135.59	20.46	136.01	21.67
60	5	102.74	4.25	119.41	4.84	136.11	5.45	158.40	6.30	180.62	7.18	202.84	8.12
	14	102.74	4.34	119.41	4.94	136.11	5.56	158.40	6.42	180.62	7.33	202.84	8.29
	25	102.74	4.42	119.41	5.04	136.11	5.67	158.40	6.55	180.62	7.48	202.84	8.46
	30	102.74	4.50	119.41	5.13	136.11	5.78	158.40	6.68	180.62	7.63	202.84	8.64
	35	102.74	4.59	119.41	5.22	136.11	5.89	158.40	6.82	180.62	7.81	202.84	8.84
	40	102.74	4.67	119.41	5.32	136.11	6.00	158.40	6.96	180.62	7.98	202.84	9.04
	45	102.74	4.76	119.41	5.43	136.11	6.13	158.40	7.13	180.62	8.17	202.84	9.26
	50	102.74	4.85	119.41	5.54	136.11	6.26	158.40	7.29	180.62	8.36	202.84	9.48
	55	102.74	4.93	119.41	5.65	136.11	6.41	158.40	7.46	180.62	8.57	202.84	9.73
	60	102.74	5.04	119.41	5.78	136.11	6.55	158.40	7.63	180.62	8.79	202.84	9.98
	65	102.74	5.20	119.41	5.98	136.11	6.80	158.40	7.93	180.62	9.16	202.84	10.41
	70	102.74	5.26	119.41	6.04	136.11	6.86	158.40	8.03	180.62	9.26	202.84	10.52
	75	102.74	5.36	119.41	6.18	136.11	7.05	158.40	8.28	180.62	9.79	202.84	11.43
	80	102.74	5.55	119.41	6.51	136.11	7.55	158.40	9.05	180.62	10.71	202.84	12.53
	85	102.74	6.01	119.41	7.08	136.11	8.21	158.40	9.86	180.62	11.69	202.84	13.68
	90	102.74	6.48	119.41	7.66	136.11	8.92	158.40	10.72	180.62	12.74	202.84	14.93
	95	102.74	7.01	119.41	8.29	136.11	9.66	158.40	11.66	180.62	13.87	202.84	16.26
	100	102.74	7.56	119.41	8.96	136.11	10.46	158.40	12.66	180.62	15.09	202.84	17.73
	105	102.74	8.22	119.41	9.77	136.11	11.44	158.40	13.86	180.62	16.56	202.84	19.48
	110	102.74	9.07	119.41	10.80	136.11	12.67	158.40	15.40	180.62	18.42	202.84	21.72
	115	102.74	9.98	119.41	11.95	136.11	14.02	158.40	17.07	180.62	20.46	202.84	24.16
	118	102.74	10.58	119.41	12.66	136.11	14.87	158.40	18.10	166.17	19.96	183.90	23.22
	122	88.36	9.63	102.69	11.52	117.05	13.53	136.22	16.47	142.91	18.16	158.16	21.13
	125	75.99	8.76	88.31	10.49	100.66	12.31	117.15	14.99	122.90	16.53	136.01	19.23
50	5	85.58	3.66	99.44	4.12	113.30	4.59	132.00	5.23	150.59	5.91	168.08	6.62
	14	85.58	3.73	99.44	4.20	113.30	4.68	132.00	5.34	150.59	6.03	168.08	6.75
	25	85.58	3.81	99.44	4.29	113.30	4.78	132.00	5.45	150.59	6.15	168.08	6.89
	30	85.58	3.86	99.44	4.36	113.30	4.86	132.00	5.54	150.59	6.25	168.08	7.04
	35	85.58	3.94	99.44	4.42	113.30	4.93	132.00	5.64	150.59	6.38	168.08	7.19
	40	85.58	4.01	99.44	4.49	113.30	5.01	132.00	5.74	150.59	6.52	168.08	7.34
	45	85.58	4.09	99.44	4.58	113.30	5.10	132.00	5.88	150.59	6.67	168.08	7.51
	50	85.58	4.17	99.44	4.66	113.30	5.20	132.00	6.02	150.59	6.82	168.08	7.67
	55	85.58	4.19	99.44	4.76	113.30	5.34	132.00	6.13	150.59	6.98	168.08	7.89
	60	85.58	4.29	99.44	4.85	113.30	5.45	132.00	6.26	150.59	7.16	168.08	8.08
	65	85.58	4.40	99.44	4.99	113.30	5.63	132.00	6.47	150.59	7.45	168.08	8.42
	70	85.58	4.47	99.44	5.04	113.30	5.66	132.00	6.58	150.59	7.49	168.08	8.16
	75	85.58	4.52	99.44	5.15	113.30	5.75	132.00	6.48	150.59	7.55	168.08	8.71
	80	85.58	4.59	99.44	5.26	113.30	6.01	132.00	7.06	150.59	8.22	168.08	9.51
	85	85.58	4.93	99.44	5.70	113.30	6.51	132.00	7.66	150.59	8.96	168.08	10.34
	90	85.58	5.29	99.44	6.15	113.30	7.05	132.00	8.30	150.59	9.74	168.08	11.26
	95	85.58	5.72	99.44	6.63	113.30	7.61	132.00	9.02	150.59	10.56	168.08	12.22
	100	85.58	6.14	99.44	7.13	113.30	8.20	132.00	9.76	150.59	11.45	168.08	13.30
	105	85.58	6.66	99.44	7.76	113.30	8.93	132.00	10.65	150.59	12.53	168.08	14.54
	110	85.58	7.29	99.44	8.53	113.30	9.86	132.00	11.79	150.59	13.88	168.08	16.26
	115	85.58	8.00	99.44	9.43	113.30	10.89	132.00	13.03	150.59	14.38	168.08	19.61
	118	85.58	8.48	99.44	10.00	113.30	11.54	132.00	13.82	150.59	15.24	168.08	20.79
	122	73.60	7.72	85.52	9.10	97.44	10.51	113.52	12.57	129.51	13.87	144.55	18.92
	125	63.29	7.02	73.55	8.28	83.80	9.56	97.63	11.44	111.38	12.62	124.31	17.22

Tc: Total Capacity

PI: Power Input

Table 59 —38VMA288HDS5-1, 38VMA288HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	242.40	10.18	282.00	12.06	322.40	14.01	374.40	16.68	405.26	17.65	414.86	16.94
	14	242.40	10.39	282.00	12.31	322.40	14.29	374.40	17.02	405.26	18.01	414.86	17.28
	25	242.40	10.60	282.00	12.56	322.40	14.58	374.40	17.37	405.26	18.38	414.86	17.63
	30	242.40	10.84	282.00	12.85	322.40	14.92	374.40	17.78	398.40	18.25	408.00	17.49
	35	242.40	11.10	282.00	13.16	322.40	15.29	374.40	18.21	392.40	18.12	402.00	17.35
	40	242.40	11.36	282.00	13.48	322.40	15.66	374.40	18.64	386.40	17.99	396.00	17.20
	45	242.40	11.64	282.00	13.83	322.40	16.07	368.40	18.58	379.20	17.85	388.80	17.04
	50	242.40	11.91	282.00	14.17	322.40	16.48	362.40	18.53	372.00	17.71	381.60	16.89
	55	242.40	12.23	282.00	14.54	322.40	16.90	356.40	18.39	366.00	17.68	375.60	17.32
	60	242.40	12.56	282.00	14.94	322.40	17.37	350.40	18.57	360.00	18.47	369.60	18.67
	65	242.40	13.10	282.00	15.67	321.20	18.63	339.00	19.96	350.40	20.61	360.00	20.83
	70	242.40	13.40	282.00	16.64	317.60	19.73	336.00	20.91	345.60	21.14	355.20	21.37
	75	242.40	14.70	282.00	18.30	314.40	21.21	331.20	22.24	340.80	22.50	350.40	22.73
	80	242.40	16.12	282.00	20.11	308.80	22.72	322.80	23.57	333.30	23.85	343.80	24.10
	85	242.40	17.66	282.00	22.05	304.80	24.30	316.80	24.91	326.40	25.21	336.00	25.50
	90	242.40	19.29	282.00	24.05	300.80	25.90	310.80	26.26	320.40	26.58	330.00	26.86
	95	242.40	21.03	278.40	25.60	295.20	27.28	304.80	27.62	313.20	27.93	314.40	28.02
	100	242.40	22.96	272.10	27.10	286.80	28.66	297.60	28.94	299.40	28.98	299.40	28.98
	105	242.40	25.26	268.20	28.90	280.53	30.30	284.00	30.40	284.00	30.40	284.00	30.40
	110	242.40	28.16	260.40	30.99	266.40	31.93	266.40	31.93	266.40	31.93	268.80	31.93
	115	230.40	32.22	230.76	32.22	231.20	32.41	231.84	32.51	232.56	32.51	233.28	32.51
	118	198.14	29.37	198.45	29.37	198.83	29.54	199.38	29.63	200.00	29.63	200.62	29.63
	122	170.40	26.73	170.67	26.73	171.00	26.89	171.47	26.97	172.00	26.97	172.53	26.97
	125	146.55	24.32	146.78	24.32	147.06	24.47	147.46	24.54	147.92	24.54	148.38	24.54
120	5	224.16	9.33	261.24	11.03	297.60	12.77	345.60	15.20	391.03	17.49	407.66	17.44
	14	224.16	9.52	261.24	11.26	297.60	13.03	345.60	15.51	391.03	17.85	407.66	17.80
	25	224.16	9.72	261.24	11.48	297.60	13.30	345.60	15.83	391.03	18.21	407.66	18.16
	30	224.16	9.92	261.24	11.74	297.60	13.61	345.60	16.20	387.60	18.37	400.80	18.04
	35	224.16	10.15	261.24	12.02	297.60	13.95	345.60	16.60	383.40	18.42	394.80	17.89
	40	224.16	10.38	261.24	12.30	297.60	14.29	345.60	17.00	379.20	18.48	388.80	17.75
	45	224.16	10.64	261.24	12.62	297.60	14.65	345.60	17.45	373.20	18.35	381.60	17.60
	50	224.16	10.90	261.24	12.93	297.60	15.01	345.60	17.89	367.20	18.22	374.40	17.46
	55	224.16	11.19	261.24	13.27	297.60	15.41	345.60	18.36	359.70	18.09	368.40	17.51
	60	224.16	11.48	261.24	13.62	297.60	15.83	343.20	18.67	352.80	18.45	362.40	18.54
	65	224.16	11.96	261.24	14.22	297.60	16.71	333.60	19.52	343.20	20.33	352.80	20.67
	70	224.16	12.11	261.24	14.85	297.60	17.89	331.20	20.80	340.80	21.00	350.40	21.20
	75	224.16	13.17	261.24	16.30	297.60	19.70	324.00	22.12	333.60	22.32	343.20	22.55
	80	224.16	14.42	261.24	17.89	297.20	21.62	318.00	23.42	327.60	23.68	337.20	23.92
	85	224.16	15.78	261.24	19.60	294.40	23.32	312.00	24.75	321.60	25.02	330.00	25.29
	90	224.16	17.22	261.24	21.44	290.40	24.87	306.00	26.08	313.80	26.38	322.80	26.67
	95	224.16	18.76	261.24	23.39	286.40	26.46	297.60	27.57	307.20	27.80	314.40	28.02
	100	224.16	20.46	261.24	25.56	280.80	28.12	291.60	28.79	298.50	28.98	299.40	28.98
	105	224.16	22.48	260.04	27.90	276.80	29.97	283.20	30.40	284.00	30.40	284.00	30.40
	110	224.16	25.06	255.84	30.21	266.40	31.93	266.40	31.93	266.40	31.93	268.80	31.93
	115	224.16	27.87	229.20	31.13	231.20	32.41	231.84	32.51	232.56	32.51	233.28	32.51
	118	198.14	26.12	198.45	28.57	198.83	29.54	199.38	29.63	200.00	29.63	200.62	29.63
	122	170.40	23.77	170.67	26.00	171.00	26.89	171.47	26.97	172.00	26.97	172.53	26.97
	125	146.55	21.63	146.78	23.66	147.06	24.47	147.46	24.54	147.92	24.54	148.38	24.54
110	5	205.68	8.50	238.62	10.01	272.00	11.57	316.80	13.75	361.20	16.00	400.46	17.94
	14	205.68	8.67	238.62	10.21	272.00	11.81	316.80	14.03	361.20	16.32	400.46	18.30
	25	205.68	8.85	238.62	10.42	272.00	12.05	316.80	14.31	361.20	16.66	400.46	18.68
	30	205.68	9.03	238.62	10.65	272.00	12.32	316.80	14.64	361.20	17.06	393.60	18.55
	35	205.68	9.25	238.62	10.91	272.00	12.62	316.80	15.00	361.20	17.48	387.60	18.44
	40	205.68	9.46	238.62	11.17	272.00	12.93	316.80	15.36	361.20	17.89	381.60	18.32
	45	205.68	9.68	238.62	11.44	272.00	13.25	316.80	15.76	358.80	18.12	375.60	18.18
	50	205.68	9.90	238.62	11.71	272.00	13.58	316.80	16.17	356.40	18.35	369.60	18.04
	55	205.68	10.15	238.62	12.01	272.00	13.93	316.80	16.60	353.10	18.50	361.20	17.91
	60	205.68	10.41	238.62	12.33	272.00	14.31	316.80	17.04	347.40	18.65	355.20	18.40
	65	205.68	10.85	238.62	12.87	272.00	14.93	316.80	18.20	336.30	19.73	345.60	20.52
	70	205.68	10.99	238.62	13.21	272.00	15.77	316.80	19.65	333.60	20.87	343.20	21.06
	75	205.68	11.71	238.62	14.43	272.00	17.35	316.80	21.66	327.60	22.18	336.00	22.38
	80	205.68	12.83	238.62	15.81	272.00	19.03	313.20	23.28	321.30	23.51	330.00	23.74
	85	205.68	14.01	238.62	17.30	272.00	20.86	307.20	24.61	314.40	24.84	324.00	25.08
	90	205.68	15.27	238.62	18.89	272.00	22.81	299.40	25.92	308.40	26.18	316.20	26.45
	95	205.68	16.63	238.62	20.62	272.00	24.94	292.80	27.49	302.40	27.66	309.60	27.82
	100	205.68	18.12	238.62	22.50	269.60	26.88	286.80	28.59	294.90	28.87	299.40	28.98
	105	205.68	19.87	238.62	24.74	266.13	28.79	280.00	30.11	284.00	30.40	284.00	30.40
	110	205.68	22.12	238.62	27.54	260.80	31.07	266.40	31.93	266.40	31.93	268.80	31.93
	115	205.68	24.59	224.58	30.31	231.20	32.41	231.84	32.51	232.56	32.51	233.28	32.51
	118	198.14	25.12	198.45	28.39	198.83	29.54	199.38	29.63	200.00	29.63	200.62	29.63
	122	170.40	22.86	170.67	25.84	171.00	26.89	171.47	26.97	172.00	26.97	172.53	26.97
	125	146.55	20.80	146.78	23.51	147.06	24.47	147.46	24.54	147.92	24.54	148.38	24.54

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	186.96	7.72	217.20	9.03	246.96	10.40	288.00	12.32	328.80	14.33	369.60	16.39
	14	186.96	7.87	217.20	9.22	246.96	10.62	288.00	12.57	328.80	14.63	369.60	16.73
	25	186.96	8.03	217.20	9.41	246.96	10.83	288.00	12.83	328.80	14.93	369.60	17.07
	30	186.96	8.20	217.20	9.60	246.96	11.07	288.00	13.12	328.80	15.27	369.60	17.46
	35	186.96	8.37	217.20	9.83	246.96	11.34	288.00	13.45	328.80	15.65	369.60	17.89
	40	186.96	8.54	217.20	10.05	246.96	11.61	288.00	13.78	328.80	16.02	369.60	18.32
	45	186.96	8.74	217.20	10.30	246.96	11.90	288.00	14.12	328.80	16.44	366.00	18.47
	50	186.96	8.95	217.20	10.54	246.96	12.19	288.00	14.47	328.80	16.86	362.40	18.61
	55	186.96	9.16	217.20	10.80	246.96	12.50	288.00	14.86	328.80	17.31	355.80	18.47
	60	186.96	9.39	217.20	11.09	246.96	12.84	288.00	15.26	328.80	17.77	348.00	18.60
	65	186.96	9.79	217.20	11.55	246.96	13.38	288.00	15.94	327.90	19.04	338.40	19.86
	70	186.96	9.90	217.20	11.69	246.96	13.80	288.00	17.06	324.00	20.28	336.00	20.88
	75	186.96	10.36	217.20	12.64	246.96	15.13	288.00	18.78	321.60	21.93	328.80	22.21
	80	186.96	11.31	217.20	13.86	246.96	16.59	288.00	20.64	315.30	23.35	322.80	23.54
	85	186.96	12.34	217.20	15.15	246.96	18.17	288.00	22.62	308.40	24.67	316.80	24.88
	90	186.96	13.44	217.20	16.53	246.96	19.86	288.00	24.76	302.40	26.00	309.00	26.23
	95	186.96	14.61	217.20	18.00	246.96	21.66	288.00	27.40	295.20	27.49	302.40	27.59
	100	186.96	15.89	217.20	19.61	246.96	23.64	282.00	28.36	289.20	28.68	295.80	28.92
	105	186.96	17.44	217.20	21.56	246.96	26.01	275.20	30.01	281.60	30.25	284.00	30.40
	110	186.96	19.39	217.20	24.01	246.96	29.03	266.40	31.93	266.40	31.93	268.80	31.93
	115	186.96	21.52	217.20	26.72	230.00	31.15	231.84	32.51	232.56	32.51	233.28	32.51
	118	186.96	22.81	191.14	24.92	198.83	28.55	199.38	29.63	200.00	29.63	200.62	29.63
	122	160.79	20.76	164.38	22.68	171.00	25.98	171.47	26.97	172.00	26.97	172.53	26.97
	125	138.28	18.89	141.36	20.64	147.06	23.64	147.46	24.54	147.92	24.54	148.38	24.54
90	5	168.24	6.93	195.42	8.09	222.72	9.27	259.20	10.93	295.20	12.69	331.20	14.51
	14	168.24	7.08	195.42	8.25	222.72	9.46	259.20	11.16	295.20	12.95	331.20	14.80
	25	168.24	7.22	195.42	8.42	222.72	9.65	259.20	11.38	295.20	13.22	331.20	15.11
	30	168.24	7.36	195.42	8.59	222.72	9.87	259.20	11.65	295.20	13.53	331.20	15.48
	35	168.24	7.52	195.42	8.78	222.72	10.10	259.20	11.94	295.20	13.87	331.20	15.85
	40	168.24	7.68	195.42	8.97	222.72	10.33	259.20	12.23	295.20	14.20	331.20	16.22
	45	168.24	7.85	195.42	9.19	222.72	10.58	259.20	12.53	295.20	14.56	331.20	16.64
	50	168.24	8.03	195.42	9.41	222.72	10.83	259.20	12.83	295.20	14.92	331.20	17.06
	55	168.24	8.21	195.42	9.62	222.72	11.10	259.20	13.16	295.20	15.31	331.20	17.53
	60	168.24	8.40	195.42	9.87	222.72	11.39	259.20	13.52	295.20	15.73	331.20	17.99
	65	168.24	8.74	195.42	10.28	222.72	11.86	259.20	14.10	295.20	16.53	331.20	19.43
	70	168.24	8.83	195.42	10.41	222.72	12.02	259.20	14.67	295.20	17.75	328.80	20.74
	75	168.24	9.09	195.42	11.01	222.72	13.07	259.20	16.11	295.20	19.53	321.60	22.03
	80	168.24	9.90	195.42	12.03	222.72	14.33	259.20	17.70	295.20	21.46	315.60	23.37
	85	168.24	10.80	195.42	13.14	222.72	15.66	259.20	19.37	294.60	23.42	309.60	24.68
	90	168.24	11.74	195.42	14.31	222.72	17.08	259.20	21.18	291.30	25.21	303.60	26.02
	95	168.24	12.74	195.42	15.57	222.72	18.62	259.20	23.13	288.00	27.03	295.20	27.36
	100	168.24	13.84	195.42	16.95	222.72	20.30	259.20	25.25	283.20	28.43	289.20	28.72
	105	168.24	15.16	195.42	18.60	222.72	22.31	259.20	27.80	276.40	30.06	282.40	30.40
	110	168.24	16.83	195.42	20.69	222.72	24.85	259.20	31.07	266.40	31.93	268.80	31.93
	115	168.24	18.64	195.42	22.98	222.40	29.81	231.84	32.51	232.56	32.51	233.28	32.51
	118	168.24	19.76	191.14	23.82	193.49	27.49	199.38	29.63	200.00	29.63	200.62	29.63
	122	144.69	17.98	164.38	21.68	166.40	25.02	171.47	26.97	172.00	26.97	172.53	26.97
	125	124.43	16.36	141.36	19.73	143.10	22.77	147.46	24.54	147.92	24.54	148.38	24.54
80	5	149.52	6.20	173.82	7.17	198.08	8.18	230.40	9.61	262.80	11.11	295.20	12.66
	14	149.52	6.33	173.82	7.32	198.08	8.35	230.40	9.81	262.80	11.34	295.20	12.92
	25	149.52	6.46	173.82	7.47	198.08	8.52	230.40	10.01	262.80	11.57	295.20	13.18
	30	149.52	6.56	173.82	7.62	198.08	8.70	230.40	10.21	262.80	11.84	295.20	13.49
	35	149.52	6.70	173.82	7.78	198.08	8.90	230.40	10.46	262.80	12.12	295.20	13.82
	40	149.52	6.85	173.82	7.95	198.08	9.10	230.40	10.70	262.80	12.40	295.20	14.15
	45	149.52	6.99	173.82	8.12	198.08	9.31	230.40	10.97	262.80	12.71	295.20	14.53
	50	149.52	7.13	173.82	8.30	198.08	9.51	230.40	11.25	262.80	13.03	295.20	14.90
	55	149.52	7.28	173.82	8.50	198.08	9.75	230.40	11.51	262.80	13.38	295.20	15.30
	60	149.52	7.46	173.82	8.71	198.08	10.00	230.40	11.82	262.80	13.74	295.20	15.71
	65	149.52	7.75	173.82	9.05	198.08	10.43	230.40	12.30	262.80	14.33	295.20	16.48
	70	149.52	7.82	173.82	9.16	198.08	10.55	230.40	12.48	262.80	14.96	295.20	17.69
	75	149.52	8.03	173.82	9.51	198.08	11.18	230.40	13.66	262.80	16.45	295.20	19.47
	80	149.52	8.60	173.82	10.34	198.08	12.22	230.40	14.97	262.80	18.04	295.20	21.40
	85	149.52	9.35	173.82	11.28	198.08	13.35	230.40	16.38	262.80	19.77	295.20	23.47
	90	149.52	10.16	173.82	12.28	198.08	14.55	230.40	17.88	262.80	21.61	295.20	25.63
	95	149.52	11.02	173.82	13.33	198.08	15.82	230.40	19.50	262.80	23.60	290.40	27.13
	100	149.52	11.93	173.82	14.48	198.08	17.23	230.40	21.26	262.80	25.79	282.00	28.48
	105	149.52	13.03	173.82	15.86	198.08	18.90	230.40	23.38	262.80	28.35	276.80	30.11
	110	149.52	14.44	173.82	17.61	198.08	21.03	230.40	26.06	260.40	31.07	268.80	31.93
	115	149.52	15.99	173.82	19.53	198.08	23.36	230.40	29.05	232.56	32.51	233.28	32.51
	118	149.52	16.95	173.82	20.70	193.49	24.19	199.38	26.65	200.00	29.63	200.62	29.63
	122	128.59	15.43	149.49	18.84	166.40	22.01	171.47	24.25	172.00	26.97	172.53	26.97
	125	110.58	14.04	128.56	17.15	143.10	20.03	147.46	22.07	147.92	24.54	148.38	24.54

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	130.80	5.48	152.04	6.30	173.36	7.14	201.60	8.33	229.80	9.58	259.20	10.90
	14	130.80	5.59	152.04	6.42	173.36	7.29	201.60	8.50	229.80	9.78	259.20	11.12
	25	130.80	5.71	152.04	6.56	173.36	7.44	201.60	8.67	229.80	9.98	259.20	11.35
	30	130.80	5.81	152.04	6.67	173.36	7.58	201.60	8.86	229.80	10.21	259.20	11.59
	35	130.80	5.93	152.04	6.82	173.36	7.74	201.60	9.06	229.80	10.45	259.20	11.88
	40	130.80	6.04	152.04	6.97	173.36	7.91	201.60	9.26	229.80	10.69	259.20	12.17
	45	130.80	6.16	152.04	7.12	173.36	8.10	201.60	9.48	229.80	10.95	259.20	12.47
	50	130.80	6.27	152.04	7.26	173.36	8.28	201.60	9.69	229.80	11.20	259.20	12.77
	55	130.80	6.41	152.04	7.41	173.36	8.46	201.60	9.95	229.80	11.50	259.20	13.10
	60	130.80	6.56	152.04	7.59	173.36	8.67	201.60	10.20	229.80	11.80	259.20	13.46
	65	130.80	6.79	152.04	7.89	173.36	9.02	201.60	10.62	229.80	12.30	259.20	14.04
	70	130.80	6.85	152.04	7.97	173.36	9.13	201.60	10.73	229.80	12.48	259.20	14.58
	75	130.80	7.02	152.04	8.16	173.36	9.44	201.60	11.42	229.80	13.64	259.20	16.02
	80	130.80	7.38	152.04	8.79	173.36	10.29	201.60	12.51	229.80	14.94	259.20	17.59
	85	130.80	8.03	152.04	9.57	173.36	11.22	201.60	13.65	229.80	16.33	259.20	19.27
	90	130.80	8.69	152.04	10.39	173.36	12.21	201.60	14.88	229.80	17.83	259.20	21.06
	95	130.80	9.41	152.04	11.26	173.36	13.26	201.60	16.20	229.80	19.46	259.20	22.98
	100	130.80	10.17	152.04	12.21	173.36	14.40	201.60	17.62	229.80	21.20	259.20	25.10
	105	130.80	11.08	152.04	13.34	173.36	15.78	201.60	19.33	229.80	23.31	259.20	27.64
	110	130.80	12.28	152.04	14.81	173.36	17.53	201.60	21.52	229.80	25.99	259.20	30.78
	115	130.80	13.55	152.04	16.38	173.36	19.43	201.60	23.90	227.76	30.06	233.28	32.51
	118	130.80	14.36	152.04	17.36	173.36	20.59	181.44	22.80	200.00	27.98	200.62	29.63
	122	112.49	13.07	130.75	15.80	149.09	18.74	156.04	20.75	172.00	25.46	172.53	26.97
	125	96.74	11.89	112.45	14.37	128.22	17.05	134.19	18.88	147.92	23.17	148.38	24.54
60	5	112.08	4.81	130.26	5.48	148.48	6.17	172.80	7.13	197.04	8.13	221.28	9.20
	14	112.08	4.91	130.26	5.59	148.48	6.29	172.80	7.27	197.04	8.30	221.28	9.38
	25	112.08	5.01	130.26	5.71	148.48	6.42	172.80	7.42	197.04	8.47	221.28	9.57
	30	112.08	5.09	130.26	5.80	148.48	6.54	172.80	7.57	197.04	8.64	221.28	9.78
	35	112.08	5.19	130.26	5.92	148.48	6.66	172.80	7.72	197.04	8.84	221.28	10.01
	40	112.08	5.29	130.26	6.03	148.48	6.79	172.80	7.88	197.04	9.03	221.28	10.24
	45	112.08	5.39	130.26	6.15	148.48	6.94	172.80	8.07	197.04	9.25	221.28	10.49
	50	112.08	5.49	130.26	6.27	148.48	7.09	172.80	8.26	197.04	9.46	221.28	10.73
	55	112.08	5.58	130.26	6.40	148.48	7.25	172.80	8.44	197.04	9.70	221.28	11.02
	60	112.08	5.71	130.26	6.54	148.48	7.42	172.80	8.64	197.04	9.95	221.28	11.31
	65	112.08	5.88	130.26	6.77	148.48	7.70	172.80	8.97	197.04	10.37	221.28	11.79
	70	112.08	5.95	130.26	6.84	148.48	7.77	172.80	9.09	197.04	10.49	221.28	11.91
	75	112.08	6.07	130.26	7.00	148.48	7.98	172.80	9.38	197.04	11.09	221.28	12.94
	80	112.08	6.29	130.26	7.37	148.48	8.55	172.80	10.25	197.04	12.12	221.28	14.18
	85	112.08	6.80	130.26	8.01	148.48	9.30	172.80	11.16	197.04	13.24	221.28	15.49
	90	112.08	7.34	130.26	8.67	148.48	10.10	172.80	12.14	197.04	14.43	221.28	16.91
	95	112.08	7.94	130.26	9.38	148.48	10.94	172.80	13.20	197.04	15.71	221.28	18.41
	100	112.08	8.56	130.26	10.14	148.48	11.85	172.80	14.33	197.04	17.08	221.28	20.08
	105	112.08	9.31	130.26	11.07	148.48	12.95	172.80	15.70	197.04	18.75	221.28	22.05
	110	112.08	10.27	130.26	12.23	148.48	14.34	172.80	17.43	197.04	20.86	221.28	24.59
	115	112.08	11.31	130.26	13.53	148.48	15.88	172.80	19.33	197.04	23.17	221.28	27.36
	118	112.08	11.98	130.26	14.34	148.48	16.83	172.80	20.49	181.28	22.60	200.62	26.29
	122	96.39	10.90	112.02	13.05	127.69	15.32	148.61	18.65	155.90	20.56	172.53	23.92
	125	82.89	9.92	96.34	11.87	109.82	13.94	127.80	16.97	134.07	18.71	148.38	21.77
50	5	93.36	4.14	108.48	4.66	123.60	5.19	144.00	5.92	164.28	6.69	183.36	7.49
	14	93.36	4.22	108.48	4.76	123.60	5.30	144.00	6.04	164.28	6.82	183.36	7.65
	25	93.36	4.31	108.48	4.86	123.60	5.41	144.00	6.17	164.28	6.96	183.36	7.80
	30	93.36	4.37	108.48	4.93	123.60	5.50	144.00	6.27	164.28	7.08	183.36	7.97
	35	93.36	4.46	108.48	5.01	123.60	5.59	144.00	6.39	164.28	7.23	183.36	8.14
	40	93.36	4.55	108.48	5.08	123.60	5.67	144.00	6.50	164.28	7.38	183.36	8.31
	45	93.36	4.63	108.48	5.18	123.60	5.78	144.00	6.66	164.28	7.55	183.36	8.50
	50	93.36	4.72	108.48	5.28	123.60	5.89	144.00	6.82	164.28	7.72	183.36	8.69
	55	93.36	4.75	108.48	5.39	123.60	6.05	144.00	6.94	164.28	7.91	183.36	8.93
	60	93.36	4.86	108.48	5.49	123.60	6.18	144.00	7.09	164.28	8.10	183.36	9.15
	65	93.36	4.98	108.48	5.65	123.60	6.37	144.00	7.33	164.28	8.43	183.36	9.54
	70	93.36	5.06	108.48	5.71	123.60	6.41	144.00	7.45	164.28	8.49	183.36	9.23
	75	93.36	5.12	108.48	5.83	123.60	6.51	144.00	7.34	164.28	8.54	183.36	9.87
	80	93.36	5.19	108.48	5.95	123.60	6.80	144.00	7.99	164.28	9.31	183.36	10.77
	85	93.36	5.58	108.48	6.45	123.60	7.37	144.00	8.67	164.28	10.15	183.36	11.71
	90	93.36	5.99	108.48	6.96	123.60	7.98	144.00	9.40	164.28	11.03	183.36	12.75
	95	93.36	6.47	108.48	7.51	123.60	8.62	144.00	10.21	164.28	11.95	183.36	13.84
	100	93.36	6.95	108.48	8.07	123.60	9.29	144.00	11.05	164.28	12.96	183.36	15.06
	105	93.36	7.54	108.48	8.79	123.60	10.11	144.00	12.06	164.28	14.19	183.36	16.46
	110	93.36	8.26	108.48	9.66	123.60	11.16	144.00	13.35	164.28	15.72	183.36	18.41
	115	93.36	9.06	108.48	10.68	123.60	12.33	144.00	14.76	164.28	16.28	183.36	22.21
	118	93.36	9.60	108.48	11.32	123.60	13.07	144.00	15.64	164.28	17.26	183.36	23.54
	122	80.29	8.74	93.29	10.30	106.30	11.89	123.84	14.23	141.28	15.71	157.69	21.42
	125	69.05	7.95	80.23	9.37	91.41	10.82	106.50	12.95	121.50	14.29	135.61	19.49

Tc: Total Capacity

PI: Power Input

Table 60 —38VMA312HDS5-1, 38VMA312HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	262.60	9.55	305.50	11.31	349.27	13.14	405.60	15.64	439.03	16.55	449.43	15.88
	14	262.60	9.74	305.50	11.54	349.27	13.41	405.60	15.96	439.03	16.89	449.43	16.21
	25	262.60	9.94	305.50	11.78	349.27	13.68	405.60	16.29	439.03	17.24	449.43	16.54
	30	262.60	10.17	305.50	12.05	349.27	13.99	405.60	16.67	431.60	17.12	442.00	16.40
	35	262.60	10.41	305.50	12.35	349.27	14.34	405.60	17.08	425.10	17.00	435.50	16.27
	40	262.60	10.66	305.50	12.64	349.27	14.69	405.60	17.48	418.60	16.88	429.00	16.13
	45	262.60	10.91	305.50	12.97	349.27	15.07	399.10	17.43	410.80	16.74	421.20	15.99
	50	262.60	11.17	305.50	13.30	349.27	15.46	392.60	17.38	403.00	16.61	413.40	15.84
	55	262.60	11.47	305.50	13.63	349.27	15.85	386.10	17.25	396.50	16.58	406.90	16.25
	60	262.60	11.78	305.50	14.01	349.27	16.29	379.60	17.42	390.00	17.32	400.40	17.51
	65	262.60	12.28	305.50	14.70	347.97	17.47	367.25	18.72	379.60	19.33	390.00	19.54
	70	262.60	12.57	305.50	15.61	344.07	18.51	364.00	19.62	374.40	19.83	384.80	20.05
	75	262.60	13.79	305.50	17.17	340.60	19.89	358.80	20.86	369.20	21.10	379.60	21.32
	80	262.60	15.12	305.50	18.86	334.53	21.31	349.70	22.10	361.08	22.37	372.45	22.60
	85	262.60	16.57	305.50	20.68	330.20	22.79	343.20	23.37	353.60	23.65	364.00	23.92
	90	262.60	18.09	305.50	22.56	325.87	24.29	336.70	24.63	347.10	24.93	357.50	25.19
	95	262.60	19.72	301.60	24.01	319.80	25.59	330.20	25.90	339.30	26.20	340.60	26.28
	100	262.60	21.53	294.78	25.42	310.70	26.88	322.40	27.14	324.35	27.18	324.35	27.18
	105	262.60	23.69	290.55	27.10	303.91	28.42	307.67	28.51	307.67	28.51	307.67	28.51
	110	262.60	26.41	282.10	29.07	288.60	29.95	288.60	29.95	288.60	29.95	291.20	29.95
	115	249.60	30.22	249.99	30.22	250.47	30.40	251.16	30.49	251.94	30.49	252.72	30.49
	118	214.66	27.55	214.99	27.55	215.40	27.71	216.00	27.79	216.67	27.79	217.34	27.79
	122	184.60	25.07	184.89	25.07	185.25	25.22	185.76	25.29	186.33	25.29	186.91	25.29
	125	158.76	22.81	159.01	22.81	159.31	22.95	159.75	23.02	160.25	23.02	160.74	23.02
120	5	242.84	8.75	283.01	10.35	322.40	11.98	374.40	14.26	423.61	16.41	441.63	16.36
	14	242.84	8.93	283.01	10.56	322.40	12.22	374.40	14.55	423.61	16.74	441.63	16.69
	25	242.84	9.12	283.01	10.77	322.40	12.47	374.40	14.84	423.61	17.08	441.63	17.03
	30	242.84	9.31	283.01	11.01	322.40	12.76	374.40	15.19	419.90	17.23	434.20	16.92
	35	242.84	9.52	283.01	11.27	322.40	13.08	374.40	15.57	415.35	17.28	427.70	16.78
	40	242.84	9.74	283.01	11.54	322.40	13.40	374.40	15.95	410.80	17.34	421.20	16.65
	45	242.84	9.98	283.01	11.83	322.40	13.74	374.40	16.36	404.30	17.21	413.40	16.51
	50	242.84	10.23	283.01	12.13	322.40	14.08	374.40	16.78	397.80	17.09	405.60	16.38
	55	242.84	10.50	283.01	12.45	322.40	14.46	374.40	17.22	389.68	16.96	399.10	16.42
	60	242.84	10.77	283.01	12.78	322.40	14.84	371.80	17.51	382.20	17.31	392.60	17.39
	65	242.84	11.22	283.01	13.34	322.40	15.68	361.40	18.31	371.80	19.07	382.20	19.39
	70	242.84	11.36	283.01	13.93	322.40	16.78	358.80	19.51	369.20	19.70	379.60	19.89
	75	242.84	12.36	283.01	15.29	322.40	18.48	351.00	20.75	361.40	20.94	371.80	21.15
	80	242.84	13.52	283.01	16.78	321.97	20.27	344.50	21.97	354.90	22.21	365.30	22.43
	85	242.84	14.80	283.01	18.38	318.93	21.88	338.00	23.22	348.40	23.47	357.50	23.72
	90	242.84	16.16	283.01	20.11	314.60	23.33	331.50	24.47	339.95	24.74	349.70	25.02
	95	242.84	17.59	283.01	21.94	310.27	24.81	322.40	25.86	332.80	26.08	340.60	26.28
	100	242.84	19.19	283.01	23.98	304.20	26.37	315.90	27.00	323.38	27.18	324.35	27.18
	105	242.84	21.08	281.71	26.17	299.87	28.11	306.80	28.51	307.67	28.51	307.67	28.51
	110	242.84	23.50	277.16	28.34	288.60	29.95	288.60	29.95	288.60	29.95	291.20	29.95
	115	242.84	26.14	248.30	29.20	250.47	30.40	251.16	30.49	251.94	30.49	252.72	30.49
	118	214.66	24.50	214.99	26.80	215.40	27.71	216.00	27.79	216.67	27.79	217.34	27.79
	122	184.60	22.29	184.89	24.39	185.25	25.22	185.76	25.29	186.33	25.29	186.91	25.29
	125	158.76	20.29	159.01	22.19	159.31	22.95	159.75	23.02	160.25	23.02	160.74	23.02
110	5	222.82	7.97	258.51	9.39	294.67	10.85	343.20	12.89	391.30	15.01	433.83	16.82
	14	222.82	8.13	258.51	9.58	294.67	11.07	343.20	13.16	391.30	15.31	433.83	17.17
	25	222.82	8.30	258.51	9.77	294.67	11.30	343.20	13.43	391.30	15.62	433.83	17.52
	30	222.82	8.47	258.51	9.99	294.67	11.56	343.20	13.73	391.30	16.00	426.40	17.40
	35	222.82	8.67	258.51	10.23	294.67	11.84	343.20	14.07	391.30	16.39	419.90	17.29
	40	222.82	8.88	258.51	10.48	294.67	12.12	343.20	14.41	391.30	16.78	413.40	17.19
	45	222.82	9.08	258.51	10.73	294.67	12.43	343.20	14.79	388.70	17.00	406.90	17.05
	50	222.82	9.28	258.51	10.98	294.67	12.74	343.20	15.16	386.10	17.21	400.40	16.92
	55	222.82	9.52	258.51	11.27	294.67	13.07	343.20	15.57	382.53	17.36	391.30	16.80
	60	222.82	9.77	258.51	11.57	294.67	13.42	343.20	15.99	376.35	17.49	384.80	17.25
	65	222.82	10.18	258.51	12.08	294.67	14.01	343.20	17.07	364.33	18.51	374.40	19.25
	70	222.82	10.31	258.51	12.39	294.67	14.79	343.20	18.43	361.40	19.57	371.80	19.75
	75	222.82	10.98	258.51	13.53	294.67	16.27	343.20	20.32	354.90	20.80	364.00	20.99
	80	222.82	12.03	258.51	14.83	294.67	17.85	339.30	21.83	348.08	22.05	357.50	22.27
	85	222.82	13.14	258.51	16.23	294.67	19.57	332.80	23.08	340.60	23.30	351.00	23.53
	90	222.82	14.33	258.51	17.72	294.67	21.40	324.35	24.31	334.10	24.56	342.55	24.81
	95	222.82	15.60	258.51	19.34	294.67	23.39	317.20	25.78	327.60	25.94	335.40	26.09
	100	222.82	16.99	258.51	21.10	292.07	25.21	310.70	26.81	319.48	27.08	324.35	27.18
	105	222.82	18.64	258.51	23.20	288.31	27.01	303.33	28.24	307.67	28.51	307.67	28.51
	110	222.82	20.75	258.51	25.83	282.53	29.14	288.60	29.95	288.60	29.95	291.20	29.95
	115	222.82	23.07	243.30	28.43	250.47	30.40	251.16	30.49	251.94	30.49	252.72	30.49
	118	214.66	23.56	214.99	26.63	215.40	27.71	216.00	27.79	216.67	27.79	217.34	27.79
	122	184.60	21.44	184.89	24.23	185.25	25.22	185.76	25.29	186.33	25.29	186.91	25.29
	125	158.76	19.51	159.01	22.05	159.31	22.95	159.75	23.02	160.25	23.02	160.74	23.02

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	202.54	7.24	235.30	8.47	267.54	9.76	312.00	11.56	356.20	13.45	400.40	15.38
	14	202.54	7.38	235.30	8.65	267.54	9.96	312.00	11.79	356.20	13.72	400.40	15.69
	25	202.54	7.54	235.30	8.82	267.54	10.16	312.00	12.03	356.20	14.00	400.40	16.01
	30	202.54	7.69	235.30	9.00	267.54	10.38	312.00	12.30	356.20	14.33	400.40	16.38
	35	202.54	7.85	235.30	9.22	267.54	10.64	312.00	12.61	356.20	14.68	400.40	16.78
	40	202.54	8.01	235.30	9.43	267.54	10.89	312.00	12.92	356.20	15.03	400.40	17.19
	45	202.54	8.20	235.30	9.66	267.54	11.16	312.00	13.25	356.20	15.42	396.50	17.32
	50	202.54	8.39	235.30	9.89	267.54	11.43	312.00	13.57	356.20	15.81	392.60	17.46
	55	202.54	8.59	235.30	10.13	267.54	11.72	312.00	13.94	356.20	16.23	385.45	17.33
	60	202.54	8.81	235.30	10.40	267.54	12.04	312.00	14.31	356.20	16.67	377.00	17.44
	65	202.54	9.19	235.30	10.83	267.54	12.55	312.00	14.95	355.23	17.86	366.60	18.63
	70	202.54	9.28	235.30	10.96	267.54	12.94	312.00	16.00	351.00	19.02	364.00	19.59
	75	202.54	9.71	235.30	11.86	267.54	14.19	312.00	17.62	348.40	20.57	356.20	20.83
	80	202.54	10.60	235.30	13.00	267.54	15.56	312.00	19.36	341.58	21.90	349.70	22.08
	85	202.54	11.57	235.30	14.21	267.54	17.04	312.00	21.22	334.10	23.14	343.20	23.34
	90	202.54	12.61	235.30	15.51	267.54	18.63	312.00	23.22	327.60	24.38	334.75	24.60
	95	202.54	13.71	235.30	16.88	267.54	20.32	312.00	25.70	319.80	25.78	327.60	25.88
	100	202.54	14.91	235.30	18.39	267.54	22.17	305.50	26.60	313.30	26.90	320.45	27.12
	105	202.54	16.36	235.30	20.22	267.54	24.40	298.13	28.15	305.07	28.38	307.67	28.51
	110	202.54	18.19	235.30	22.52	267.54	27.23	288.60	29.95	288.60	29.95	291.20	29.95
	115	202.54	20.18	235.30	25.06	249.17	29.22	251.16	30.49	251.94	30.49	252.72	30.49
	118	202.54	21.39	207.06	23.37	215.40	26.78	216.00	27.79	216.67	27.79	217.34	27.79
	122	174.18	19.47	178.08	21.27	185.25	24.37	185.76	25.29	186.33	25.29	186.91	25.29
	125	149.80	17.72	153.14	19.36	159.31	22.17	159.75	23.02	160.25	23.02	160.74	23.02
90	5	182.26	6.50	211.71	7.58	241.28	8.70	280.80	10.25	319.80	11.91	358.80	13.61
	14	182.26	6.64	211.71	7.74	241.28	8.87	280.80	10.46	319.80	12.15	358.80	13.89
	25	182.26	6.77	211.71	7.90	241.28	9.06	280.80	10.68	319.80	12.40	358.80	14.17
	30	182.26	6.91	211.71	8.06	241.28	9.25	280.80	10.93	319.80	12.69	358.80	14.52
	35	182.26	7.06	211.71	8.24	241.28	9.47	280.80	11.20	319.80	13.00	358.80	14.87
	40	182.26	7.20	211.71	8.42	241.28	9.69	280.80	11.47	319.80	13.32	358.80	15.22
	45	182.26	7.37	211.71	8.62	241.28	9.92	280.80	11.75	319.80	13.65	358.80	15.61
	50	182.26	7.53	211.71	8.82	241.28	10.15	280.80	12.03	319.80	13.99	358.80	16.00
	55	182.26	7.70	211.71	9.02	241.28	10.41	280.80	12.34	319.80	14.36	358.80	16.44
	60	182.26	7.88	211.71	9.25	241.28	10.68	280.80	12.68	319.80	14.75	358.80	16.88
	65	182.26	8.20	211.71	9.64	241.28	11.12	280.80	13.22	319.80	15.50	358.80	18.23
	70	182.26	8.28	211.71	9.76	241.28	11.28	280.80	13.76	319.80	16.65	356.20	19.45
	75	182.26	8.53	211.71	10.33	241.28	12.26	280.80	15.11	319.80	18.32	348.40	20.67
	80	182.26	9.29	211.71	11.29	241.28	13.44	280.80	16.60	319.80	20.13	341.90	21.92
	85	182.26	10.13	211.71	12.33	241.28	14.69	280.80	18.17	319.15	21.97	335.40	23.15
	90	182.26	11.02	211.71	13.42	241.28	16.02	280.80	19.86	315.58	23.65	328.90	24.40
	95	182.26	11.95	211.71	14.60	241.28	17.47	280.80	21.69	312.00	25.35	319.80	25.66
	100	182.26	12.98	211.71	15.90	241.28	19.04	280.80	23.68	306.80	26.67	313.30	26.94
	105	182.26	14.22	211.71	17.44	241.28	20.93	280.80	26.07	299.43	28.20	305.93	28.51
	110	182.26	15.78	211.71	19.41	241.28	23.31	280.80	29.14	288.60	29.95	291.20	29.95
	115	182.26	17.48	211.71	21.55	240.93	27.96	251.16	30.49	251.94	30.49	252.72	30.49
	118	182.26	18.53	207.06	22.34	209.61	25.79	216.00	27.79	216.67	27.79	217.34	27.79
	122	156.74	16.86	178.08	20.33	180.27	23.47	185.76	25.29	186.33	25.29	186.91	25.29
	125	134.80	15.35	153.14	18.50	155.03	21.35	159.75	23.02	160.25	23.02	160.74	23.02
80	5	161.98	5.82	188.31	6.73	214.59	7.67	249.60	9.01	284.70	10.42	319.80	11.88
	14	161.98	5.93	188.31	6.86	214.59	7.83	249.60	9.20	284.70	10.64	319.80	12.12
	25	161.98	6.06	188.31	7.00	214.59	7.99	249.60	9.39	284.70	10.85	319.80	12.37
	30	161.98	6.15	188.31	7.14	214.59	8.16	249.60	9.58	284.70	11.10	319.80	12.65
	35	161.98	6.29	188.31	7.30	214.59	8.35	249.60	9.81	284.70	11.37	319.80	12.96
	40	161.98	6.42	188.31	7.45	214.59	8.54	249.60	10.04	284.70	11.63	319.80	13.27
	45	161.98	6.56	188.31	7.62	214.59	8.73	249.60	10.29	284.70	11.93	319.80	13.63
	50	161.98	6.69	188.31	7.78	214.59	8.92	249.60	10.55	284.70	12.22	319.80	13.98
	55	161.98	6.83	188.31	7.97	214.59	9.15	249.60	10.80	284.70	12.55	319.80	14.35
	60	161.98	7.00	188.31	8.17	214.59	9.38	249.60	11.09	284.70	12.88	319.80	14.73
	65	161.98	7.27	188.31	8.49	214.59	9.78	249.60	11.54	284.70	13.44	319.80	15.46
	70	161.98	7.34	188.31	8.59	214.59	9.89	249.60	11.71	284.70	14.03	319.80	16.59
	75	161.98	7.53	188.31	8.92	214.59	10.49	249.60	12.82	284.70	15.43	319.80	18.27
	80	161.98	8.07	188.31	9.70	214.59	11.46	249.60	14.04	284.70	16.92	319.80	20.07
	85	161.98	8.77	188.31	10.58	214.59	12.52	249.60	15.37	284.70	18.54	319.80	22.02
	90	161.98	9.53	188.31	11.52	214.59	13.65	249.60	16.77	284.70	20.27	319.80	24.04
	95	161.98	10.33	188.31	12.50	214.59	14.84	249.60	18.29	284.70	22.14	314.60	25.44
	100	161.98	11.19	188.31	13.58	214.59	16.16	249.60	19.94	284.70	24.19	305.50	26.71
	105	161.98	12.22	188.31	14.87	214.59	17.72	249.60	21.93	284.70	26.59	299.87	28.24
	110	161.98	13.54	188.31	16.52	214.59	19.72	249.60	24.44	282.10	29.14	291.20	29.95
	115	161.98	15.00	188.31	18.32	214.59	21.91	249.60	27.25	251.94	30.49	252.72	30.49
	118	161.98	15.90	188.31	19.42	209.61	22.68	216.00	25.00	216.67	27.79	217.34	27.79
	122	139.30	14.47	161.94	17.67	180.27	20.64	185.76	22.75	186.33	25.29	186.91	25.29
	125	119.80	13.17	139.27	16.08	155.03	18.79	159.75	20.70	160.25	23.02	160.74	23.02

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	141.70	5.14	164.71	5.91	187.81	6.70	218.40	7.81	248.95	8.99	280.80	10.22
	14	141.70	5.25	164.71	6.03	187.81	6.84	218.40	7.97	248.95	9.17	280.80	10.43
	25	141.70	5.35	164.71	6.15	187.81	6.98	218.40	8.14	248.95	9.36	280.80	10.64
	30	141.70	5.45	164.71	6.26	187.81	7.11	218.40	8.31	248.95	9.58	280.80	10.87
	35	141.70	5.56	164.71	6.40	187.81	7.26	218.40	8.50	248.95	9.80	280.80	11.14
	40	141.70	5.67	164.71	6.54	187.81	7.42	218.40	8.69	248.95	10.02	280.80	11.41
	45	141.70	5.77	164.71	6.67	187.81	7.60	218.40	8.89	248.95	10.27	280.80	11.70
	50	141.70	5.88	164.71	6.81	187.81	7.77	218.40	9.09	248.95	10.51	280.80	11.98
	55	141.70	6.02	164.71	6.95	187.81	7.93	218.40	9.33	248.95	10.78	280.80	12.29
	60	141.70	6.15	164.71	7.12	187.81	8.13	218.40	9.56	248.95	11.07	280.80	12.63
	65	141.70	6.37	164.71	7.40	187.81	8.46	218.40	9.96	248.95	11.54	280.80	13.17
	70	141.70	6.42	164.71	7.47	187.81	8.56	218.40	10.06	248.95	11.71	280.80	13.68
	75	141.70	6.58	164.71	7.66	187.81	8.86	218.40	10.71	248.95	12.79	280.80	15.03
	80	141.70	6.92	164.71	8.24	187.81	9.65	218.40	11.73	248.95	14.01	280.80	16.50
	85	141.70	7.53	164.71	8.97	187.81	10.53	218.40	12.80	248.95	15.32	280.80	18.08
	90	141.70	8.16	164.71	9.74	187.81	11.46	218.40	13.96	248.95	16.72	280.80	19.76
	95	141.70	8.82	164.71	10.56	187.81	12.44	218.40	15.19	248.95	18.25	280.80	21.56
	100	141.70	9.54	164.71	11.46	187.81	13.51	218.40	16.53	248.95	19.88	280.80	23.54
	105	141.70	10.40	164.71	12.51	187.81	14.80	218.40	18.13	248.95	21.87	280.80	25.93
	110	141.70	11.52	164.71	13.89	187.81	16.44	218.40	20.18	248.95	24.38	280.80	28.87
	115	141.70	12.71	164.71	15.36	187.81	18.22	218.40	22.42	246.74	28.20	252.72	30.49
	118	141.70	13.47	164.71	16.28	187.81	19.31	196.56	21.39	216.67	26.24	217.34	27.79
	122	121.86	12.26	141.65	14.82	161.51	17.58	169.04	19.46	186.33	23.88	186.91	25.29
	125	104.80	11.16	121.82	13.48	138.90	15.99	145.38	17.71	160.25	21.73	160.74	23.02
60	5	121.42	4.51	141.12	5.14	160.85	5.79	187.20	6.69	213.46	7.63	239.72	8.63
	14	121.42	4.60	141.12	5.24	160.85	5.90	187.20	6.82	213.46	7.79	239.72	8.80
	25	121.42	4.70	141.12	5.35	160.85	6.02	187.20	6.96	213.46	7.94	239.72	8.98
	30	121.42	4.78	141.12	5.44	160.85	6.13	187.20	7.10	213.46	8.11	239.72	9.17
	35	121.42	4.87	141.12	5.55	160.85	6.25	187.20	7.24	213.46	8.29	239.72	9.39
	40	121.42	4.96	141.12	5.65	160.85	6.37	187.20	7.39	213.46	8.47	239.72	9.61
	45	121.42	5.06	141.12	5.77	160.85	6.51	187.20	7.57	213.46	8.67	239.72	9.83
	50	121.42	5.15	141.12	5.88	160.85	6.65	187.20	7.74	213.46	8.88	239.72	10.06
	55	121.42	5.23	141.12	6.00	160.85	6.80	187.20	7.92	213.46	9.10	239.72	10.33
	60	121.42	5.36	141.12	6.13	160.85	6.96	187.20	8.11	213.46	9.34	239.72	10.60
	65	121.42	5.52	141.12	6.35	160.85	7.22	187.20	8.42	213.46	9.72	239.72	11.06
	70	121.42	5.59	141.12	6.41	160.85	7.28	187.20	8.53	213.46	9.83	239.72	11.17
	75	121.42	5.69	141.12	6.56	160.85	7.48	187.20	8.80	213.46	10.40	239.72	12.14
	80	121.42	5.90	141.12	6.91	160.85	8.02	187.20	9.61	213.46	11.37	239.72	13.30
	85	121.42	6.38	141.12	7.51	160.85	8.72	187.20	10.47	213.46	12.42	239.72	14.53
	90	121.42	6.89	141.12	8.14	160.85	9.47	187.20	11.39	213.46	13.53	239.72	15.86
	95	121.42	7.45	141.12	8.80	160.85	10.26	187.20	12.38	213.46	14.73	239.72	17.27
	100	121.42	8.03	141.12	9.51	160.85	11.11	187.20	13.44	213.46	16.02	239.72	18.83
	105	121.42	8.73	141.12	10.38	160.85	12.14	187.20	14.72	213.46	17.59	239.72	20.69
	110	121.42	9.63	141.12	11.47	160.85	13.45	187.20	16.35	213.46	19.56	239.72	23.07
	115	121.42	10.60	141.12	12.69	160.85	14.89	187.20	18.13	213.46	21.73	239.72	25.66
	118	121.42	11.24	141.12	13.45	160.85	15.79	187.20	19.22	196.38	21.19	217.34	24.66
	122	104.42	10.23	121.36	12.24	138.33	14.37	160.99	17.49	168.89	19.29	186.91	22.44
	125	89.80	9.31	104.37	11.14	118.97	13.07	138.45	15.92	145.25	17.55	160.74	20.42
50	5	101.14	3.88	117.52	4.37	133.90	4.87	156.00	5.56	177.97	6.27	198.64	7.03
	14	101.14	3.96	117.52	4.46	133.90	4.97	156.00	5.67	177.97	6.40	198.64	7.17
	25	101.14	4.04	117.52	4.56	133.90	5.07	156.00	5.79	177.97	6.53	198.64	7.32
	30	101.14	4.10	117.52	4.63	133.90	5.16	156.00	5.88	177.97	6.64	198.64	7.47
	35	101.14	4.18	117.52	4.70	133.90	5.24	156.00	5.99	177.97	6.78	198.64	7.64
	40	101.14	4.26	117.52	4.77	133.90	5.32	156.00	6.10	177.97	6.92	198.64	7.80
	45	101.14	4.34	117.52	4.86	133.90	5.42	156.00	6.25	177.97	7.08	198.64	7.97
	50	101.14	4.42	117.52	4.95	133.90	5.52	156.00	6.39	177.97	7.24	198.64	8.15
	55	101.14	4.45	117.52	5.05	133.90	5.67	156.00	6.51	177.97	7.42	198.64	8.38
	60	101.14	4.56	117.52	5.15	133.90	5.79	156.00	6.65	177.97	7.60	198.64	8.58
	65	101.14	4.67	117.52	5.30	133.90	5.98	156.00	6.87	177.97	7.91	198.64	8.94
	70	101.14	4.75	117.52	5.36	133.90	6.01	156.00	6.99	177.97	7.96	198.64	8.66
	75	101.14	4.80	117.52	5.47	133.90	6.11	156.00	6.88	177.97	8.01	198.64	9.25
	80	101.14	4.87	117.52	5.58	133.90	6.38	156.00	7.49	177.97	8.73	198.64	10.10
	85	101.14	5.23	117.52	6.05	133.90	6.91	156.00	8.13	177.97	9.52	198.64	10.98
	90	101.14	5.62	117.52	6.53	133.90	7.49	156.00	8.82	177.97	10.34	198.64	11.96
	95	101.14	6.07	117.52	7.04	133.90	8.09	156.00	9.58	177.97	11.21	198.64	12.98
	100	101.14	6.52	117.52	7.57	133.90	8.71	156.00	10.36	177.97	12.16	198.64	14.12
	105	101.14	7.07	117.52	8.24	133.90	9.49	156.00	11.31	177.97	13.31	198.64	15.44
	110	101.14	7.74	117.52	9.06	133.90	10.47	156.00	12.52	177.97	14.75	198.64	17.27
	115	101.14	8.50	117.52	10.02	133.90	11.57	156.00	13.84	177.97	15.27	198.64	20.83
	118	101.14	9.01	117.52	10.62	133.90	12.26	156.00	14.67	177.97	16.19	198.64	22.08
	122	86.98	8.20	101.07	9.66	115.15	11.16	134.16	13.35	153.05	14.73	170.83	20.09
	125	74.80	7.46	86.92	8.79	99.03	10.15	115.38	12.15	131.63	13.41	146.91	18.28

Tc: Total Capacity

PI: Power Input

Table 61 — 38VMA336HDS5-1, 38VMA336HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	282.80	10.18	329.00	12.06	376.13	14.01	436.80	16.68	472.80	17.65	484.00	16.94
	14	282.80	10.39	329.00	12.31	376.13	14.29	436.80	17.02	472.80	18.01	484.00	17.28
	25	282.80	10.60	329.00	12.56	376.13	14.58	436.80	17.37	472.80	18.38	484.00	17.63
	30	282.80	10.84	329.00	12.85	376.13	14.92	436.80	17.78	464.80	18.25	476.00	17.49
	35	282.80	11.10	329.00	13.16	376.13	15.29	436.80	18.21	457.80	18.12	469.00	17.35
	40	282.80	11.36	329.00	13.48	376.13	15.66	436.80	18.64	450.80	17.99	462.00	17.20
	45	282.80	11.64	329.00	13.83	376.13	16.07	429.80	18.58	442.40	17.85	453.60	17.04
	50	282.80	11.91	329.00	14.17	376.13	16.48	422.80	18.53	434.00	17.71	445.20	16.89
	55	282.80	12.23	329.00	14.54	376.13	16.90	415.80	18.39	427.00	17.68	438.20	17.32
	60	282.80	12.56	329.00	14.94	376.13	17.37	408.80	18.57	420.00	18.47	431.20	18.67
	65	282.80	13.10	329.00	15.67	374.73	18.63	395.50	19.96	408.80	20.61	420.00	20.83
	70	282.80	13.40	329.00	16.64	370.53	19.73	392.00	20.91	403.20	21.14	414.40	21.37
	75	282.80	14.70	329.00	18.30	366.80	21.21	386.40	22.24	397.60	22.50	408.80	22.73
	80	282.80	16.12	329.00	20.11	360.27	22.72	376.60	23.57	388.85	23.85	401.10	24.10
	85	282.80	17.66	329.00	22.05	355.60	24.30	369.60	24.91	380.80	25.21	392.00	25.50
	90	282.80	19.29	329.00	24.05	350.93	25.90	362.60	26.26	373.80	26.58	385.00	26.86
	95	282.80	21.03	324.80	25.60	344.40	27.28	355.60	27.62	365.40	27.93	366.80	28.02
	100	282.80	22.96	317.45	27.10	334.60	28.66	347.20	28.94	349.30	28.98	349.30	28.98
	105	282.80	25.26	312.90	28.90	327.29	30.30	331.33	30.40	331.33	30.40	331.33	30.40
	110	282.80	28.16	303.80	30.99	310.80	31.93	310.80	31.93	310.80	31.93	313.60	31.93
	115	268.80	32.22	269.22	32.22	269.73	32.41	270.48	32.51	271.32	32.51	272.16	32.51
	118	231.17	29.37	231.53	29.37	231.97	29.54	232.61	29.63	233.34	29.63	234.06	29.63
	122	198.80	26.73	199.12	26.73	199.49	26.89	200.05	26.97	200.67	26.97	201.29	26.97
	125	170.97	24.32	171.24	24.32	171.57	24.47	172.04	24.54	172.57	24.54	173.11	24.54
120	5	261.52	9.33	304.78	11.03	347.20	12.77	403.20	15.20	456.20	17.49	475.60	17.44
	14	261.52	9.52	304.78	11.26	347.20	13.03	403.20	15.51	456.20	17.85	475.60	17.80
	25	261.52	9.72	304.78	11.48	347.20	13.30	403.20	15.83	456.20	18.21	475.60	18.16
	30	261.52	9.92	304.78	11.74	347.20	13.61	403.20	16.20	452.20	18.37	467.60	18.04
	35	261.52	10.15	304.78	12.02	347.20	13.95	403.20	16.60	447.30	18.42	460.60	17.89
	40	261.52	10.38	304.78	12.30	347.20	14.29	403.20	17.00	442.40	18.48	453.60	17.75
	45	261.52	10.64	304.78	12.62	347.20	14.65	403.20	17.45	435.40	18.35	445.20	17.60
	50	261.52	10.90	304.78	12.93	347.20	15.01	403.20	17.89	428.40	18.22	436.80	17.46
	55	261.52	11.19	304.78	13.27	347.20	15.41	403.20	18.36	419.65	18.09	429.80	17.51
	60	261.52	11.48	304.78	13.62	347.20	15.83	400.40	18.67	411.60	18.45	422.80	18.54
	65	261.52	11.96	304.78	14.22	347.20	16.71	389.20	19.52	400.40	20.33	411.60	20.67
	70	261.52	12.11	304.78	14.85	347.20	17.89	386.40	20.80	397.60	21.00	408.80	21.20
	75	261.52	13.17	304.78	16.30	347.20	19.70	378.00	22.12	389.20	22.32	400.40	22.55
	80	261.52	14.42	304.78	17.89	346.73	21.62	371.00	23.42	382.20	23.68	393.40	23.92
	85	261.52	15.78	304.78	19.60	343.47	23.32	364.00	24.75	375.20	25.02	385.00	25.29
	90	261.52	17.22	304.78	21.44	338.80	24.87	357.00	26.08	366.10	26.38	376.60	26.67
	95	261.52	18.76	304.78	23.39	334.13	26.46	347.20	27.57	358.40	27.80	366.80	28.02
	100	261.52	20.46	304.78	25.56	327.60	28.12	340.20	28.79	348.25	28.98	349.30	28.98
	105	261.52	22.48	303.38	27.90	322.93	29.97	330.40	30.40	331.33	30.40	331.33	30.40
	110	261.52	25.06	298.48	30.21	310.80	31.93	310.80	31.93	310.80	31.93	313.60	31.93
	115	261.52	27.87	267.40	31.13	269.73	32.41	270.48	32.51	271.32	32.51	272.16	32.51
	118	231.17	26.12	231.53	28.57	231.97	29.54	232.61	29.63	233.34	29.63	234.06	29.63
	122	198.80	23.77	199.12	26.00	199.49	26.89	200.05	26.97	200.67	26.97	201.29	26.97
	125	170.97	21.63	171.24	23.66	171.57	24.47	172.04	24.54	172.57	24.54	173.11	24.54
110	5	239.96	8.50	278.39	10.01	317.33	11.57	369.60	13.75	421.40	16.00	467.20	17.94
	14	239.96	8.67	278.39	10.21	317.33	11.81	369.60	14.03	421.40	16.32	467.20	18.30
	25	239.96	8.85	278.39	10.42	317.33	12.05	369.60	14.31	421.40	16.66	467.20	18.68
	30	239.96	9.03	278.39	10.65	317.33	12.32	369.60	14.64	421.40	17.06	459.20	18.55
	35	239.96	9.25	278.39	10.91	317.33	12.62	369.60	15.00	421.40	17.48	452.20	18.44
	40	239.96	9.46	278.39	11.17	317.33	12.93	369.60	15.36	421.40	17.89	445.20	18.32
	45	239.96	9.68	278.39	11.44	317.33	13.25	369.60	15.76	418.60	18.12	438.20	18.18
	50	239.96	9.90	278.39	11.71	317.33	13.58	369.60	16.17	415.80	18.35	431.20	18.04
	55	239.96	10.15	278.39	12.01	317.33	13.93	369.60	16.60	411.95	18.50	421.40	17.91
	60	239.96	10.41	278.39	12.33	317.33	14.31	369.60	17.04	405.30	18.65	414.40	18.40
	65	239.96	10.85	278.39	12.87	317.33	14.93	369.60	18.20	392.35	19.73	403.20	20.52
	70	239.96	10.99	278.39	13.21	317.33	15.77	369.60	19.65	389.20	20.87	400.40	21.06
	75	239.96	11.71	278.39	14.43	317.33	17.35	369.60	21.66	382.20	22.18	392.00	22.38
	80	239.96	12.83	278.39	15.81	317.33	19.03	365.40	23.28	374.85	23.51	385.00	23.74
	85	239.96	14.01	278.39	17.30	317.33	20.86	358.40	24.61	366.80	24.84	378.00	25.08
	90	239.96	15.27	278.39	18.89	317.33	22.81	349.30	25.92	359.80	26.18	368.90	26.45
	95	239.96	16.63	278.39	20.62	317.33	24.94	341.60	27.49	352.80	27.66	361.20	27.82
	100	239.96	18.12	278.39	22.50	314.53	26.88	334.60	28.59	344.05	28.87	349.30	28.98
	105	239.96	19.87	278.39	24.74	310.49	28.79	326.67	30.11	331.33	30.40	331.33	30.40
	110	239.96	22.12	278.39	27.54	304.27	31.07	310.80	31.93	310.80	31.93	313.60	31.93
	115	239.96	24.59	262.01	30.31	269.73	32.41	270.48	32.51	271.32	32.51	272.16	32.51
	118	231.17	25.12	231.53	28.39	231.97	29.54	232.61	29.63	233.34	29.63	234.06	29.63
	122	198.80	22.86	199.12	25.84	199.49	26.89	200.05	26.97	200.67	26.97	201.29	26.97
	125	170.97	20.80	171.24	23.51	171.57	24.47	172.04	24.54	172.57	24.54	173.11	24.54

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	218.12	7.72	253.40	9.03	288.12	10.40	336.00	12.32	383.60	14.33	431.20	16.39
	14	218.12	7.87	253.40	9.22	288.12	10.62	336.00	12.57	383.60	14.63	431.20	16.73
	25	218.12	8.03	253.40	9.41	288.12	10.83	336.00	12.83	383.60	14.93	431.20	17.07
	30	218.12	8.20	253.40	9.60	288.12	11.07	336.00	13.12	383.60	15.27	431.20	17.46
	35	218.12	8.37	253.40	9.83	288.12	11.34	336.00	13.45	383.60	15.65	431.20	17.89
	40	218.12	8.54	253.40	10.05	288.12	11.61	336.00	13.78	383.60	16.02	431.20	18.32
	45	218.12	8.74	253.40	10.30	288.12	11.90	336.00	14.12	383.60	16.44	427.00	18.47
	50	218.12	8.95	253.40	10.54	288.12	12.19	336.00	14.47	383.60	16.86	422.80	18.61
	55	218.12	9.16	253.40	10.80	288.12	12.50	336.00	14.86	383.60	17.31	415.10	18.47
	60	218.12	9.39	253.40	11.09	288.12	12.84	336.00	15.26	383.60	17.77	406.00	18.60
	65	218.12	9.79	253.40	11.55	288.12	13.38	336.00	15.94	382.55	19.04	394.80	19.86
	70	218.12	9.90	253.40	11.69	288.12	13.80	336.00	17.06	378.00	20.28	392.00	20.88
	75	218.12	10.36	253.40	12.64	288.12	15.13	336.00	18.78	375.20	21.93	383.60	22.21
	80	218.12	11.31	253.40	13.86	288.12	16.59	336.00	20.64	367.85	23.35	376.60	23.54
	85	218.12	12.34	253.40	15.15	288.12	18.17	336.00	22.62	359.80	24.67	369.60	24.88
	90	218.12	13.44	253.40	16.53	288.12	19.86	336.00	24.76	352.80	26.00	360.50	26.23
	95	218.12	14.61	253.40	18.00	288.12	21.66	336.00	27.40	344.40	27.49	352.80	27.59
	100	218.12	15.89	253.40	19.61	288.12	23.64	329.00	28.36	337.40	28.68	345.10	28.92
	105	218.12	17.44	253.40	21.56	288.12	26.01	321.07	30.01	328.53	30.25	331.33	30.40
	110	218.12	19.39	253.40	24.01	288.12	29.03	310.80	31.93	310.80	31.93	313.60	31.93
	115	218.12	21.52	253.40	26.72	268.33	31.15	270.48	32.51	271.32	32.51	272.16	32.51
	118	218.12	22.81	222.99	24.92	231.97	28.55	232.61	29.63	233.34	29.63	234.06	29.63
	122	187.58	20.76	191.77	22.68	199.49	25.98	200.05	26.97	200.67	26.97	201.29	26.97
	125	161.32	18.89	164.92	20.64	171.57	23.64	172.04	24.54	172.57	24.54	173.11	24.54
90	5	196.28	6.93	227.99	8.09	259.84	9.27	302.40	10.93	344.40	12.69	386.40	14.51
	14	196.28	7.08	227.99	8.25	259.84	9.46	302.40	11.16	344.40	12.95	386.40	14.80
	25	196.28	7.22	227.99	8.42	259.84	9.65	302.40	11.38	344.40	13.22	386.40	15.11
	30	196.28	7.36	227.99	8.59	259.84	9.87	302.40	11.65	344.40	13.53	386.40	15.48
	35	196.28	7.52	227.99	8.78	259.84	10.10	302.40	11.94	344.40	13.87	386.40	15.85
	40	196.28	7.68	227.99	8.97	259.84	10.33	302.40	12.23	344.40	14.20	386.40	16.22
	45	196.28	7.85	227.99	9.19	259.84	10.58	302.40	12.53	344.40	14.56	386.40	16.64
	50	196.28	8.03	227.99	9.41	259.84	10.83	302.40	12.83	344.40	14.92	386.40	17.06
	55	196.28	8.21	227.99	9.62	259.84	11.10	302.40	13.16	344.40	15.31	386.40	17.53
	60	196.28	8.40	227.99	9.87	259.84	11.39	302.40	13.52	344.40	15.73	386.40	17.99
	65	196.28	8.74	227.99	10.28	259.84	11.86	302.40	14.10	344.40	16.53	386.40	19.43
	70	196.28	8.83	227.99	10.41	259.84	12.02	302.40	14.67	344.40	17.75	383.60	20.74
	75	196.28	9.09	227.99	11.01	259.84	13.07	302.40	16.11	344.40	19.53	375.20	22.03
	80	196.28	9.90	227.99	12.03	259.84	14.33	302.40	17.70	344.40	21.46	368.20	23.37
	85	196.28	10.80	227.99	13.14	259.84	15.66	302.40	19.37	343.70	23.42	361.20	24.68
	90	196.28	11.74	227.99	14.31	259.84	17.08	302.40	21.18	339.85	25.21	354.20	26.02
	95	196.28	12.74	227.99	15.57	259.84	18.62	302.40	23.13	336.00	27.03	344.40	27.36
	100	196.28	13.84	227.99	16.95	259.84	20.30	302.40	25.25	330.40	28.43	337.40	28.72
	105	196.28	15.16	227.99	18.60	259.84	22.31	302.40	27.80	322.47	30.06	329.47	30.40
	110	196.28	16.83	227.99	20.69	259.84	24.85	302.40	31.07	310.80	31.93	313.60	31.93
	115	196.28	18.64	227.99	22.98	259.47	29.81	270.48	32.51	271.32	32.51	272.16	32.51
	118	196.28	19.76	222.99	23.82	225.74	27.49	232.61	29.63	233.34	29.63	234.06	29.63
	122	168.80	17.98	191.77	21.68	194.13	25.02	200.05	26.97	200.67	26.97	201.29	26.97
	125	145.17	16.36	164.92	19.73	166.95	22.77	172.04	24.54	172.57	24.54	173.11	24.54
80	5	174.44	6.20	202.79	7.17	231.09	8.18	268.80	9.61	306.60	11.11	344.40	12.66
	14	174.44	6.33	202.79	7.32	231.09	8.35	268.80	9.81	306.60	11.34	344.40	12.92
	25	174.44	6.46	202.79	7.47	231.09	8.52	268.80	10.01	306.60	11.57	344.40	13.18
	30	174.44	6.56	202.79	7.62	231.09	8.70	268.80	10.21	306.60	11.84	344.40	13.49
	35	174.44	6.70	202.79	7.78	231.09	8.90	268.80	10.46	306.60	12.12	344.40	13.82
	40	174.44	6.85	202.79	7.95	231.09	9.10	268.80	10.70	306.60	12.40	344.40	14.15
	45	174.44	6.99	202.79	8.12	231.09	9.31	268.80	10.97	306.60	12.71	344.40	14.53
	50	174.44	7.13	202.79	8.30	231.09	9.51	268.80	11.25	306.60	13.03	344.40	14.90
	55	174.44	7.28	202.79	8.50	231.09	9.75	268.80	11.51	306.60	13.38	344.40	15.30
	60	174.44	7.46	202.79	8.71	231.09	10.00	268.80	11.82	306.60	13.74	344.40	15.71
	65	174.44	7.75	202.79	9.05	231.09	10.43	268.80	12.30	306.60	14.33	344.40	16.48
	70	174.44	7.82	202.79	9.16	231.09	10.55	268.80	12.48	306.60	14.96	344.40	17.69
	75	174.44	8.03	202.79	9.51	231.09	11.18	268.80	13.66	306.60	16.45	344.40	19.47
	80	174.44	8.60	202.79	10.34	231.09	12.22	268.80	14.97	306.60	18.04	344.40	21.40
	85	174.44	9.35	202.79	11.28	231.09	13.35	268.80	16.38	306.60	19.77	344.40	23.47
	90	174.44	10.16	202.79	12.28	231.09	14.55	268.80	17.88	306.60	21.61	344.40	25.63
	95	174.44	11.02	202.79	13.33	231.09	15.82	268.80	19.50	306.60	23.60	338.80	27.13
	100	174.44	11.93	202.79	14.48	231.09	17.23	268.80	21.26	306.60	25.79	329.00	28.48
	105	174.44	13.03	202.79	15.86	231.09	18.90	268.80	23.38	306.60	28.35	322.93	30.11
	110	174.44	14.44	202.79	17.61	231.09	21.03	268.80	26.06	303.80	31.07	313.60	31.93
	115	174.44	15.99	202.79	19.53	231.09	23.36	268.80	29.05	271.32	32.51	272.16	32.51
	118	174.44	16.95	202.79	20.70	225.74	24.19	232.61	26.65	233.34	29.63	234.06	29.63
	122	150.02	15.43	174.40	18.84	194.13	22.01	200.05	24.25	200.67	26.97	201.29	26.97
	125	129.02	14.04	149.98	17.15	166.95	20.03	172.04	22.07	172.57	24.54	173.11	24.54

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	152.60	5.48	177.38	6.30	202.25	7.14	235.20	8.33	268.10	9.58	302.40	10.90
	14	152.60	5.59	177.38	6.42	202.25	7.29	235.20	8.50	268.10	9.78	302.40	11.12
	25	152.60	5.71	177.38	6.56	202.25	7.44	235.20	8.67	268.10	9.98	302.40	11.35
	30	152.60	5.81	177.38	6.67	202.25	7.58	235.20	8.86	268.10	10.21	302.40	11.59
	35	152.60	5.93	177.38	6.82	202.25	7.74	235.20	9.06	268.10	10.45	302.40	11.88
	40	152.60	6.04	177.38	6.97	202.25	7.91	235.20	9.26	268.10	10.69	302.40	12.17
	45	152.60	6.16	177.38	7.12	202.25	8.10	235.20	9.48	268.10	10.95	302.40	12.47
	50	152.60	6.27	177.38	7.26	202.25	8.28	235.20	9.69	268.10	11.20	302.40	12.77
	55	152.60	6.41	177.38	7.41	202.25	8.46	235.20	9.95	268.10	11.50	302.40	13.10
	60	152.60	6.56	177.38	7.59	202.25	8.67	235.20	10.20	268.10	11.80	302.40	13.46
	65	152.60	6.79	177.38	7.89	202.25	9.02	235.20	10.62	268.10	12.30	302.40	14.04
	70	152.60	6.85	177.38	7.97	202.25	9.13	235.20	10.73	268.10	12.48	302.40	14.58
	75	152.60	7.02	177.38	8.16	202.25	9.44	235.20	11.42	268.10	13.64	302.40	16.02
	80	152.60	7.38	177.38	8.79	202.25	10.29	235.20	12.51	268.10	14.94	302.40	17.59
	85	152.60	8.03	177.38	9.57	202.25	11.22	235.20	13.65	268.10	16.33	302.40	19.27
	90	152.60	8.69	177.38	10.39	202.25	12.21	235.20	14.88	268.10	17.83	302.40	21.06
	95	152.60	9.41	177.38	11.26	202.25	13.26	235.20	16.20	268.10	19.46	302.40	22.98
	100	152.60	10.17	177.38	12.21	202.25	14.40	235.20	17.62	268.10	21.20	302.40	25.10
	105	152.60	11.08	177.38	13.34	202.25	15.78	235.20	19.33	268.10	23.31	302.40	27.64
	110	152.60	12.28	177.38	14.81	202.25	17.53	235.20	21.52	268.10	25.99	302.40	30.78
	115	152.60	13.55	177.38	16.38	202.25	19.43	235.20	23.90	265.72	30.06	272.16	32.51
	118	152.60	14.36	177.38	17.36	202.25	20.59	211.68	22.80	233.34	27.98	234.06	29.63
	122	131.24	13.07	152.55	15.80	173.94	18.74	182.04	20.75	200.67	25.46	201.29	26.97
	125	112.86	11.89	131.19	14.37	149.59	17.05	156.56	18.88	172.57	23.17	173.11	24.54
60	5	130.76	4.81	151.97	5.48	173.23	6.17	201.60	7.13	229.88	8.13	258.16	9.20
	14	130.76	4.91	151.97	5.59	173.23	6.29	201.60	7.27	229.88	8.30	258.16	9.38
	25	130.76	5.01	151.97	5.71	173.23	6.42	201.60	7.42	229.88	8.47	258.16	9.57
	30	130.76	5.09	151.97	5.80	173.23	6.54	201.60	7.57	229.88	8.64	258.16	9.78
	35	130.76	5.19	151.97	5.92	173.23	6.66	201.60	7.72	229.88	8.84	258.16	10.01
	40	130.76	5.29	151.97	6.03	173.23	6.79	201.60	7.88	229.88	9.03	258.16	10.24
	45	130.76	5.39	151.97	6.15	173.23	6.94	201.60	8.07	229.88	9.25	258.16	10.49
	50	130.76	5.49	151.97	6.27	173.23	7.09	201.60	8.26	229.88	9.46	258.16	10.73
	55	130.76	5.58	151.97	6.40	173.23	7.25	201.60	8.44	229.88	9.70	258.16	11.02
	60	130.76	5.71	151.97	6.54	173.23	7.42	201.60	8.64	229.88	9.95	258.16	11.31
	65	130.76	5.88	151.97	6.77	173.23	7.70	201.60	8.97	229.88	10.37	258.16	11.79
	70	130.76	5.95	151.97	6.84	173.23	7.77	201.60	9.09	229.88	10.49	258.16	11.91
	75	130.76	6.07	151.97	7.00	173.23	7.98	201.60	9.38	229.88	11.09	258.16	12.94
	80	130.76	6.29	151.97	7.37	173.23	8.55	201.60	10.25	229.88	12.12	258.16	14.18
	85	130.76	6.80	151.97	8.01	173.23	9.30	201.60	11.16	229.88	13.24	258.16	15.49
	90	130.76	7.34	151.97	8.67	173.23	10.10	201.60	12.14	229.88	14.43	258.16	16.91
	95	130.76	7.94	151.97	9.38	173.23	10.94	201.60	13.20	229.88	15.71	258.16	18.41
	100	130.76	8.56	151.97	10.14	173.23	11.85	201.60	14.33	229.88	17.08	258.16	20.08
	105	130.76	9.31	151.97	11.07	173.23	12.95	201.60	15.70	229.88	18.75	258.16	22.05
	110	130.76	10.27	151.97	12.23	173.23	14.34	201.60	17.43	229.88	20.86	258.16	24.59
	115	130.76	11.31	151.97	13.53	173.23	15.88	201.60	19.33	229.88	23.17	258.16	27.36
	118	130.76	11.98	151.97	14.34	173.23	16.83	201.60	20.49	211.49	22.60	234.06	26.29
	122	112.45	10.90	130.69	13.05	148.97	15.32	173.38	18.65	181.88	20.56	201.29	23.92
	125	96.71	9.92	112.40	11.87	128.12	13.94	149.10	16.97	156.42	18.71	173.11	21.77
50	5	108.92	4.14	126.56	4.66	144.20	5.19	168.00	5.92	191.66	6.69	213.92	7.49
	14	108.92	4.22	126.56	4.76	144.20	5.30	168.00	6.04	191.66	6.82	213.92	7.65
	25	108.92	4.31	126.56	4.86	144.20	5.41	168.00	6.17	191.66	6.96	213.92	7.80
	30	108.92	4.37	126.56	4.93	144.20	5.50	168.00	6.27	191.66	7.08	213.92	7.97
	35	108.92	4.46	126.56	5.01	144.20	5.59	168.00	6.39	191.66	7.23	213.92	8.14
	40	108.92	4.55	126.56	5.08	144.20	5.67	168.00	6.50	191.66	7.38	213.92	8.31
	45	108.92	4.63	126.56	5.18	144.20	5.78	168.00	6.66	191.66	7.55	213.92	8.50
	50	108.92	4.72	126.56	5.28	144.20	5.89	168.00	6.82	191.66	7.72	213.92	8.69
	55	108.92	4.75	126.56	5.39	144.20	6.05	168.00	6.94	191.66	7.91	213.92	8.93
	60	108.92	4.86	126.56	5.49	144.20	6.18	168.00	7.09	191.66	8.10	213.92	9.15
	65	108.92	4.98	126.56	5.65	144.20	6.37	168.00	7.33	191.66	8.43	213.92	9.54
	70	108.92	5.06	126.56	5.71	144.20	6.41	168.00	7.45	191.66	8.49	213.92	9.23
	75	108.92	5.12	126.56	5.83	144.20	6.51	168.00	7.34	191.66	8.54	213.92	9.87
	80	108.92	5.19	126.56	5.95	144.20	6.80	168.00	7.99	191.66	9.31	213.92	10.77
	85	108.92	5.58	126.56	6.45	144.20	7.37	168.00	8.67	191.66	10.15	213.92	11.71
	90	108.92	5.99	126.56	6.96	144.20	7.98	168.00	9.40	191.66	11.03	213.92	12.75
	95	108.92	6.47	126.56	7.51	144.20	8.62	168.00	10.21	191.66	11.95	213.92	13.84
	100	108.92	6.95	126.56	8.07	144.20	9.29	168.00	11.05	191.66	12.96	213.92	15.06
	105	108.92	7.54	126.56	8.79	144.20	10.11	168.00	12.06	191.66	14.19	213.92	16.46
	110	108.92	8.26	126.56	9.66	144.20	11.16	168.00	13.35	191.66	15.72	213.92	18.41
	115	108.92	9.06	126.56	10.68	144.20	12.33	168.00	14.76	191.66	16.28	213.92	22.21
	118	108.92	9.60	126.56	11.32	144.20	13.07	168.00	15.64	191.66	17.26	213.92	23.54
	122	93.67	8.74	108.84	10.30	124.01	11.89	144.48	14.23	164.83	15.71	183.97	21.42
	125	80.56	7.95	93.60	9.37	106.65	10.82	124.25	12.95	141.75	14.29	158.22	19.49

Tc: Total Capacity

PI: Power Input

Table 62 —38VMA360HDS5-1, 38VMA360HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	303.00	11.11	352.50	13.16	403.00	15.28	468.00	18.20	506.57	19.26	518.57	18.48
	14	303.00	11.33	352.50	13.43	403.00	15.60	468.00	18.57	506.57	19.65	518.57	18.86
	25	303.00	11.57	352.50	13.70	403.00	15.92	468.00	18.95	506.57	20.05	518.57	19.24
	30	303.00	11.83	352.50	14.02	403.00	16.28	468.00	19.40	498.00	19.92	510.00	19.09
	35	303.00	12.12	352.50	14.37	403.00	16.68	468.00	19.87	490.50	19.78	502.50	18.93
	40	303.00	12.40	352.50	14.71	403.00	17.09	468.00	20.34	483.00	19.63	495.00	18.77
	45	303.00	12.70	352.50	15.09	403.00	17.54	460.50	20.28	474.00	19.48	486.00	18.60
	50	303.00	13.00	352.50	15.47	403.00	17.99	453.00	20.22	465.00	19.32	477.00	18.43
	55	303.00	13.35	352.50	15.86	403.00	18.44	445.50	20.07	457.50	19.29	469.50	18.91
	60	303.00	13.70	352.50	16.30	403.00	18.95	438.00	20.26	450.00	20.15	462.00	20.37
	65	303.00	14.29	352.50	17.10	401.50	20.33	423.75	21.78	438.00	22.49	450.00	22.73
	70	303.00	14.63	352.50	18.16	397.00	21.53	420.00	22.82	432.00	23.07	444.00	23.32
	75	303.00	16.04	352.50	19.97	393.00	23.15	414.00	24.26	426.00	24.55	438.00	24.80
	80	303.00	17.59	352.50	21.94	386.00	24.80	403.50	25.72	416.63	26.02	429.75	26.30
	85	303.00	19.27	352.50	24.06	381.00	26.52	396.00	27.18	408.00	27.51	420.00	27.83
	90	303.00	21.05	352.50	26.24	376.00	28.26	388.50	28.65	400.50	29.00	412.50	29.31
	95	303.00	22.95	348.00	27.94	369.00	29.77	381.00	30.13	391.50	30.48	393.00	30.57
	100	303.00	25.05	340.13	29.57	358.50	31.27	372.00	31.58	374.25	31.63	374.25	31.63
	105	303.00	27.56	335.25	31.53	350.67	33.06	355.00	33.17	355.00	33.17	355.00	33.17
	110	303.00	30.73	325.50	33.82	333.00	34.84	333.00	34.84	333.00	34.84	336.00	34.84
	115	288.00	35.16	288.45	35.16	289.00	35.37	289.80	35.47	290.70	35.47	291.60	35.47
	118	247.68	32.05	248.07	32.05	248.54	32.24	249.23	32.34	250.00	32.34	250.78	32.34
	122	213.00	29.17	213.34	29.17	213.74	29.34	214.34	29.43	215.00	29.43	215.67	29.43
	125	183.18	26.54	183.47	26.54	183.82	26.70	184.33	26.78	184.90	26.78	185.47	26.78
120	5	280.20	10.19	326.55	12.04	372.00	13.94	432.00	16.59	488.79	19.09	509.57	19.03
	14	280.20	10.39	326.55	12.28	372.00	14.22	432.00	16.92	488.79	19.48	509.57	19.42
	25	280.20	10.61	326.55	12.53	372.00	14.51	432.00	17.27	488.79	19.87	509.57	19.82
	30	280.20	10.83	326.55	12.81	372.00	14.85	432.00	17.67	484.50	20.04	501.00	19.68
	35	280.20	11.08	326.55	13.12	372.00	15.22	432.00	18.11	479.25	20.11	493.50	19.52
	40	280.20	11.33	326.55	13.43	372.00	15.59	432.00	18.55	474.00	20.17	486.00	19.37
	45	280.20	11.61	326.55	13.77	372.00	15.98	432.00	19.04	466.50	20.03	477.00	19.21
	50	280.20	11.90	326.55	14.11	372.00	16.38	432.00	19.52	459.00	19.89	468.00	19.05
	55	280.20	12.21	326.55	14.48	372.00	16.82	432.00	20.04	449.63	19.74	460.50	19.11
	60	280.20	12.52	326.55	14.87	372.00	17.27	429.00	20.37	441.00	20.14	453.00	20.23
	65	280.20	13.05	326.55	15.52	372.00	18.24	417.00	21.30	429.00	22.19	441.00	22.55
	70	280.20	13.22	326.55	16.21	372.00	19.52	414.00	22.70	426.00	22.92	438.00	23.13
	75	280.20	14.38	326.55	17.79	372.00	21.50	405.00	24.14	417.00	24.36	429.00	24.61
	80	280.20	15.73	326.55	19.52	371.50	23.59	397.50	25.56	409.50	25.84	421.50	26.10
	85	280.20	17.22	326.55	21.38	368.00	25.45	390.00	27.01	402.00	27.30	412.50	27.59
	90	280.20	18.80	326.55	23.39	363.00	27.14	382.50	28.46	392.25	28.79	403.50	29.11
	95	280.20	20.47	326.55	25.53	358.00	28.87	372.00	30.09	384.00	30.34	393.00	30.57
	100	280.20	22.33	326.55	27.89	351.00	30.68	364.50	31.41	373.13	31.63	374.25	31.63
	105	280.20	24.53	325.05	30.44	346.00	32.71	354.00	33.17	355.00	33.17	355.00	33.17
	110	280.20	27.34	319.80	32.97	333.00	34.84	333.00	34.84	333.00	34.84	336.00	34.84
	115	280.20	30.42	286.50	33.97	289.00	35.37	289.80	35.47	290.70	35.47	291.60	35.47
	118	247.68	28.50	248.07	31.18	248.54	32.24	249.23	32.34	250.00	32.34	250.78	32.34
	122	213.00	25.94	213.34	28.37	213.74	29.34	214.34	29.43	215.00	29.43	215.67	29.43
	125	183.18	23.60	183.47	25.82	183.82	26.70	184.33	26.78	184.90	26.78	185.47	26.78
110	5	257.10	9.27	298.28	10.92	340.00	12.63	396.00	15.00	451.50	17.46	500.57	19.57
	14	257.10	9.46	298.28	11.14	340.00	12.88	396.00	15.31	451.50	17.81	500.57	19.97
	25	257.10	9.65	298.28	11.37	340.00	13.15	396.00	15.62	451.50	18.18	500.57	20.38
	30	257.10	9.86	298.28	11.62	340.00	13.45	396.00	15.98	451.50	18.61	492.00	20.25
	35	257.10	10.09	298.28	11.90	340.00	13.78	396.00	16.37	451.50	19.07	484.50	20.12
	40	257.10	10.33	298.28	12.19	340.00	14.10	396.00	16.76	451.50	19.52	477.00	20.00
	45	257.10	10.56	298.28	12.48	340.00	14.46	396.00	17.20	448.50	19.78	469.50	19.84
	50	257.10	10.80	298.28	12.78	340.00	14.82	396.00	17.64	445.50	20.03	462.00	19.68
	55	257.10	11.07	298.28	13.11	340.00	15.20	396.00	18.11	441.38	20.19	451.50	19.54
	60	257.10	11.36	298.28	13.46	340.00	15.61	396.00	18.60	434.25	20.35	444.00	20.07
	65	257.10	11.84	298.28	14.05	340.00	16.30	396.00	19.86	420.38	21.53	432.00	22.40
	70	257.10	11.99	298.28	14.42	340.00	17.21	396.00	21.44	417.00	22.77	429.00	22.98
	75	257.10	12.78	298.28	15.74	340.00	18.93	396.00	23.64	409.50	24.20	420.00	24.42
	80	257.10	14.00	298.28	17.25	340.00	20.76	391.50	25.40	401.63	25.65	412.50	25.91
	85	257.10	15.29	298.28	18.88	340.00	22.76	384.00	26.85	393.00	27.11	405.00	27.37
	90	257.10	16.67	298.28	20.62	340.00	24.90	374.25	28.28	385.50	28.57	395.25	28.86
	95	257.10	18.14	298.28	22.50	340.00	27.22	366.00	29.99	378.00	30.18	387.00	30.35
	100	257.10	19.77	298.28	24.55	337.00	29.33	358.50	31.19	368.63	31.51	374.25	31.63
	105	257.10	21.68	298.28	26.99	332.67	31.42	350.00	32.86	355.00	33.17	355.00	33.17
	110	257.10	24.14	298.28	30.05	326.00	33.90	333.00	34.84	333.00	34.84	336.00	34.84
	115	257.10	26.84	280.73	33.08	289.00	35.37	289.80	35.47	290.70	35.47	291.60	35.47
	118	247.68	27.41	248.07	30.98	248.54	32.24	249.23	32.34	250.00	32.34	250.78	32.34
	122	213.00	24.94	213.34	28.20	213.74	29.34	214.34	29.43	215.00	29.43	215.67	29.43
	125	183.18	22.70	183.47	25.66	183.82	26.70	184.33	26.78	184.90	26.78	185.47	26.78

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	233.70	8.42	271.50	9.86	308.70	11.35	360.00	13.45	411.00	15.64	462.00	17.89
	14	233.70	8.59	271.50	10.06	308.70	11.58	360.00	13.72	411.00	15.96	462.00	18.26
	25	233.70	8.77	271.50	10.26	308.70	11.82	360.00	14.00	411.00	16.29	462.00	18.63
	30	233.70	8.95	271.50	10.48	308.70	12.07	360.00	14.31	411.00	16.67	462.00	19.05
	35	233.70	9.13	271.50	10.72	308.70	12.37	360.00	14.68	411.00	17.08	462.00	19.52
	40	233.70	9.32	271.50	10.97	308.70	12.67	360.00	15.04	411.00	17.48	462.00	20.00
	45	233.70	9.54	271.50	11.24	308.70	12.99	360.00	15.41	411.00	17.94	457.50	20.15
	50	233.70	9.76	271.50	11.50	308.70	13.30	360.00	15.79	411.00	18.39	453.00	20.31
	55	233.70	10.00	271.50	11.78	308.70	13.64	360.00	16.22	411.00	18.89	444.75	20.16
	60	233.70	10.25	271.50	12.10	308.70	14.01	360.00	16.65	411.00	19.39	435.00	20.29
	65	233.70	10.69	271.50	12.60	308.70	14.60	360.00	17.39	409.88	20.78	423.00	21.68
	70	233.70	10.80	271.50	12.75	308.70	15.06	360.00	18.61	405.00	22.13	420.00	22.79
	75	233.70	11.30	271.50	13.80	308.70	16.51	360.00	20.50	402.00	23.94	411.00	24.23
	80	233.70	12.34	271.50	15.12	308.70	18.10	360.00	22.52	394.13	25.48	403.50	25.69
	85	233.70	13.47	271.50	16.53	308.70	19.83	360.00	24.69	385.50	26.92	396.00	27.15
	90	233.70	14.67	271.50	18.04	308.70	21.67	360.00	27.02	378.00	28.37	386.25	28.62
	95	233.70	15.95	271.50	19.64	308.70	23.64	360.00	29.90	369.00	29.99	378.00	30.10
	100	233.70	17.34	271.50	21.40	308.70	25.80	352.50	30.95	361.50	31.29	369.75	31.56
	105	233.70	19.03	271.50	23.52	308.70	28.39	344.00	32.75	352.00	33.01	355.00	33.17
	110	233.70	21.16	271.50	26.20	308.70	31.68	333.00	34.84	333.00	34.84	336.00	34.84
	115	233.70	23.48	271.50	29.15	287.50	34.00	289.80	35.47	290.70	35.47	291.60	35.47
	118	233.70	24.89	238.92	27.19	248.54	31.15	249.23	32.34	250.00	32.34	250.78	32.34
	122	200.98	22.65	205.47	24.75	213.74	28.35	214.34	29.43	215.00	29.43	215.67	29.43
	125	172.84	20.61	176.71	22.52	183.82	25.80	184.33	26.78	184.90	26.78	185.47	26.78
90	5	210.30	7.57	244.28	8.82	278.40	10.12	324.00	11.93	369.00	13.85	414.00	15.83
	14	210.30	7.72	244.28	9.00	278.40	10.32	324.00	12.17	369.00	14.13	414.00	16.15
	25	210.30	7.88	244.28	9.19	278.40	10.54	324.00	12.42	369.00	14.42	414.00	16.48
	30	210.30	8.04	244.28	9.38	278.40	10.77	324.00	12.71	369.00	14.77	414.00	16.89
	35	210.30	8.21	244.28	9.59	278.40	11.02	324.00	13.03	369.00	15.13	414.00	17.30
	40	210.30	8.38	244.28	9.79	278.40	11.27	324.00	13.34	369.00	15.49	414.00	17.70
	45	210.30	8.57	244.28	10.03	278.40	11.54	324.00	13.67	369.00	15.88	414.00	18.16
	50	210.30	8.76	244.28	10.26	278.40	11.81	324.00	14.00	369.00	16.28	414.00	18.61
	55	210.30	8.95	244.28	10.50	278.40	12.11	324.00	14.36	369.00	16.71	414.00	19.12
	60	210.30	9.17	244.28	10.77	278.40	12.43	324.00	14.75	369.00	17.16	414.00	19.63
	65	210.30	9.54	244.28	11.22	278.40	12.94	324.00	15.38	369.00	18.04	414.00	21.20
	70	210.30	9.64	244.28	11.36	278.40	13.12	324.00	16.01	369.00	19.37	411.00	22.63
	75	210.30	9.92	244.28	12.01	278.40	14.26	324.00	17.58	369.00	21.31	402.00	24.05
	80	210.30	10.81	244.28	13.13	278.40	15.63	324.00	19.31	369.00	23.42	394.50	25.50
	85	210.30	11.79	244.28	14.34	278.40	17.09	324.00	21.14	368.25	25.56	387.00	26.93
	90	210.30	12.82	244.28	15.62	278.40	18.64	324.00	23.11	364.13	27.51	379.50	28.39
	95	210.30	13.91	244.28	16.99	278.40	20.32	324.00	25.24	360.00	29.49	369.00	29.85
	100	210.30	15.10	244.28	18.50	278.40	22.16	324.00	27.55	354.00	31.03	361.50	31.34
	105	210.30	16.54	244.28	20.29	278.40	24.35	324.00	30.33	345.50	32.80	353.00	33.17
	110	210.30	18.36	244.28	22.58	278.40	27.12	324.00	33.90	333.00	34.84	336.00	34.84
	115	210.30	20.34	244.28	25.07	278.00	32.53	289.80	35.47	290.70	35.47	291.60	35.47
	118	210.30	21.56	238.92	26.00	241.86	30.00	249.23	32.34	250.00	32.34	250.78	32.34
	122	180.86	19.62	205.47	23.66	208.00	27.30	214.34	29.43	215.00	29.43	215.67	29.43
	125	155.54	17.86	176.71	21.53	178.88	24.84	184.33	26.78	184.90	26.78	185.47	26.78
80	5	186.90	6.77	217.28	7.83	247.60	8.93	288.00	10.49	328.50	12.13	369.00	13.82
	14	186.90	6.90	217.28	7.99	247.60	9.11	288.00	10.70	328.50	12.37	369.00	14.10
	25	186.90	7.04	217.28	8.15	247.60	9.30	288.00	10.92	328.50	12.63	369.00	14.39
	30	186.90	7.16	217.28	8.31	247.60	9.49	288.00	11.14	328.50	12.92	369.00	14.72
	35	186.90	7.31	217.28	8.49	247.60	9.71	288.00	11.41	328.50	13.22	369.00	15.08
	40	186.90	7.47	217.28	8.67	247.60	9.93	288.00	11.68	328.50	13.53	369.00	15.44
	45	186.90	7.63	217.28	8.86	247.60	10.15	288.00	11.98	328.50	13.87	369.00	15.85
	50	186.90	7.78	217.28	9.06	247.60	10.38	288.00	12.27	328.50	14.22	369.00	16.26
	55	186.90	7.95	217.28	9.27	247.60	10.64	288.00	12.56	328.50	14.60	369.00	16.69
	60	186.90	8.15	217.28	9.50	247.60	10.91	288.00	12.90	328.50	14.99	369.00	17.14
	65	186.90	8.46	217.28	9.88	247.60	11.38	288.00	13.43	328.50	15.64	369.00	17.99
	70	186.90	8.54	217.28	10.00	247.60	11.51	288.00	13.62	328.50	16.32	369.00	19.31
	75	186.90	8.76	217.28	10.38	247.60	12.20	288.00	14.91	328.50	17.96	369.00	21.25
	80	186.90	9.39	217.28	11.29	247.60	13.33	288.00	16.34	328.50	19.69	369.00	23.35
	85	186.90	10.20	217.28	12.31	247.60	14.57	288.00	17.88	328.50	21.57	369.00	25.61
	90	186.90	11.09	217.28	13.40	247.60	15.88	288.00	19.51	328.50	23.59	369.00	27.97
	95	186.90	12.02	217.28	14.54	247.60	17.26	288.00	21.28	328.50	25.76	363.00	29.60
	100	186.90	13.02	217.28	15.80	247.60	18.80	288.00	23.20	328.50	28.14	352.50	31.08
	105	186.90	14.22	217.28	17.30	247.60	20.62	288.00	25.51	328.50	30.94	346.00	32.86
	110	186.90	15.76	217.28	19.22	247.60	22.95	288.00	28.44	325.50	33.90	336.00	34.84
	115	186.90	17.45	217.28	21.31	247.60	25.49	288.00	31.70	290.70	35.47	291.60	35.47
	118	186.90	18.50	217.28	22.59	241.86	26.39	249.23	29.08	250.00	32.34	250.78	32.34
	122	160.73	16.84	186.86	20.56	208.00	24.02	214.34	26.47	215.00	29.43	215.67	29.43
	125	138.23	15.32	160.70	18.71	178.88	21.86	184.33	24.08	184.90	26.78	185.47	26.78

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	163.50	5.98	190.05	6.87	216.70	7.80	252.00	9.09	287.25	10.45	324.00	11.89
	14	163.50	6.10	190.05	7.01	216.70	7.95	252.00	9.28	287.25	10.67	324.00	12.13
	25	163.50	6.23	190.05	7.15	216.70	8.12	252.00	9.47	287.25	10.89	324.00	12.38
	30	163.50	6.34	190.05	7.28	216.70	8.27	252.00	9.67	287.25	11.14	324.00	12.65
	35	163.50	6.47	190.05	7.44	216.70	8.45	252.00	9.89	287.25	11.40	324.00	12.96
	40	163.50	6.59	190.05	7.60	216.70	8.63	252.00	10.11	287.25	11.66	324.00	13.28
	45	163.50	6.72	190.05	7.77	216.70	8.84	252.00	10.34	287.25	11.94	324.00	13.61
	50	163.50	6.84	190.05	7.93	216.70	9.04	252.00	10.58	287.25	12.23	324.00	13.94
	55	163.50	7.00	190.05	8.09	216.70	9.23	252.00	10.85	287.25	12.54	324.00	14.30
	60	163.50	7.16	190.05	8.29	216.70	9.46	252.00	11.13	287.25	12.88	324.00	14.69
	65	163.50	7.41	190.05	8.61	216.70	9.84	252.00	11.59	287.25	13.42	324.00	15.32
	70	163.50	7.47	190.05	8.70	216.70	9.96	252.00	11.71	287.25	13.62	324.00	15.92
	75	163.50	7.66	190.05	8.91	216.70	10.31	252.00	12.46	287.25	14.88	324.00	17.48
	80	163.50	8.05	190.05	9.59	216.70	11.23	252.00	13.65	287.25	16.30	324.00	19.20
	85	163.50	8.76	190.05	10.44	216.70	12.25	252.00	14.89	287.25	17.82	324.00	21.03
	90	163.50	9.49	190.05	11.34	216.70	13.33	252.00	16.24	287.25	19.46	324.00	22.99
	95	163.50	10.26	190.05	12.29	216.70	14.47	252.00	17.67	287.25	21.24	324.00	25.08
	100	163.50	11.10	190.05	13.33	216.70	15.72	252.00	19.23	287.25	23.13	324.00	27.39
	105	163.50	12.10	190.05	14.56	216.70	17.22	252.00	21.09	287.25	25.44	324.00	30.17
	110	163.50	13.40	190.05	16.16	216.70	19.13	252.00	23.48	287.25	28.36	324.00	33.59
	115	163.50	14.78	190.05	17.87	216.70	21.20	252.00	26.09	284.70	32.80	291.60	35.47
	118	163.50	15.67	190.05	18.94	216.70	22.47	226.80	24.89	250.00	30.53	250.78	32.34
	122	140.61	14.26	163.44	17.24	186.36	20.45	195.05	22.65	215.00	27.79	215.67	29.43
	125	120.92	12.98	140.56	15.69	160.27	18.61	167.74	20.61	184.90	25.28	185.47	26.78
60	5	140.10	5.25	162.83	5.98	185.60	6.73	216.00	7.78	246.30	8.88	276.60	10.03
	14	140.10	5.36	162.83	6.10	185.60	6.87	216.00	7.94	246.30	9.06	276.60	10.24
	25	140.10	5.47	162.83	6.23	185.60	7.01	216.00	8.10	246.30	9.24	276.60	10.45
	30	140.10	5.56	162.83	6.33	185.60	7.14	216.00	8.26	246.30	9.43	276.60	10.67
	35	140.10	5.67	162.83	6.45	185.60	7.27	216.00	8.43	246.30	9.64	276.60	10.92
	40	140.10	5.78	162.83	6.58	185.60	7.41	216.00	8.60	246.30	9.86	276.60	11.18
	45	140.10	5.89	162.83	6.71	185.60	7.57	216.00	8.81	246.30	10.09	276.60	11.44
	50	140.10	6.00	162.83	6.84	185.60	7.73	216.00	9.01	246.30	10.33	276.60	11.71
	55	140.10	6.09	162.83	6.98	185.60	7.92	216.00	9.21	246.30	10.59	276.60	12.02
	60	140.10	6.23	162.83	7.14	185.60	8.10	216.00	9.43	246.30	10.86	276.60	12.34
	65	140.10	6.42	162.83	7.39	185.60	8.40	216.00	9.79	246.30	11.31	276.60	12.86
	70	140.10	6.50	162.83	7.46	185.60	8.48	216.00	9.92	246.30	11.44	276.60	13.00
	75	140.10	6.62	162.83	7.64	185.60	8.71	216.00	10.23	246.30	12.10	276.60	14.13
	80	140.10	6.86	162.83	8.04	185.60	9.33	216.00	11.18	246.30	13.23	276.60	15.48
	85	140.10	7.42	162.83	8.74	185.60	10.14	216.00	12.18	246.30	14.45	276.60	16.90
	90	140.10	8.01	162.83	9.47	185.60	11.02	216.00	13.25	246.30	15.75	276.60	18.45
	95	140.10	8.66	162.83	10.24	185.60	11.94	216.00	14.41	246.30	17.14	276.60	20.09
	100	140.10	9.34	162.83	11.07	185.60	12.93	216.00	15.64	246.30	18.64	276.60	21.91
	105	140.10	10.16	162.83	12.07	185.60	14.13	216.00	17.13	246.30	20.46	276.60	24.07
	110	140.10	11.21	162.83	13.35	185.60	15.65	216.00	19.02	246.30	22.76	276.60	26.84
	115	140.10	12.34	162.83	14.76	185.60	17.33	216.00	21.09	246.30	25.29	276.60	29.85
	118	140.10	13.08	162.83	15.65	185.60	18.37	216.00	22.36	226.60	24.66	250.78	28.69
	122	120.49	11.90	140.03	14.24	159.62	16.71	185.76	20.35	194.87	22.44	215.67	26.11
	125	103.62	10.83	120.43	12.96	137.27	15.21	159.75	18.52	167.59	20.42	185.47	23.76
50	5	116.70	4.52	135.60	5.09	154.50	5.67	180.00	6.46	205.35	7.30	229.20	8.18
	14	116.70	4.61	135.60	5.19	154.50	5.78	180.00	6.60	205.35	7.45	229.20	8.35
	25	116.70	4.70	135.60	5.30	154.50	5.90	180.00	6.73	205.35	7.60	229.20	8.52
	30	116.70	4.77	135.60	5.38	154.50	6.01	180.00	6.84	205.35	7.72	229.20	8.70
	35	116.70	4.87	135.60	5.47	154.50	6.10	180.00	6.97	205.35	7.89	229.20	8.88
	40	116.70	4.96	135.60	5.55	154.50	6.18	180.00	7.09	205.35	8.05	229.20	9.07
	45	116.70	5.05	135.60	5.65	154.50	6.30	180.00	7.27	205.35	8.24	229.20	9.28
	50	116.70	5.15	135.60	5.76	154.50	6.42	180.00	7.44	205.35	8.43	229.20	9.48
	55	116.70	5.18	135.60	5.88	154.50	6.60	180.00	7.57	205.35	8.63	229.20	9.75
	60	116.70	5.31	135.60	5.99	154.50	6.74	180.00	7.74	205.35	8.84	229.20	9.98
	65	116.70	5.43	135.60	6.17	154.50	6.96	180.00	8.00	205.35	9.20	229.20	10.41
	70	116.70	5.52	135.60	6.23	154.50	6.99	180.00	8.13	205.35	9.26	229.20	10.08
	75	116.70	5.59	135.60	6.36	154.50	7.10	180.00	8.00	205.35	9.32	229.20	10.77
	80	116.70	5.67	135.60	6.50	154.50	7.42	180.00	8.72	205.35	10.16	229.20	11.76
	85	116.70	6.09	135.60	7.04	154.50	8.04	180.00	9.46	205.35	11.07	229.20	12.78
	90	116.70	6.54	135.60	7.60	154.50	8.71	180.00	10.26	205.35	12.03	229.20	13.91
	95	116.70	7.06	135.60	8.19	154.50	9.41	180.00	11.14	205.35	13.04	229.20	15.10
	100	116.70	7.58	135.60	8.81	154.50	10.14	180.00	12.05	205.35	14.15	229.20	16.43
	105	116.70	8.22	135.60	9.59	154.50	11.04	180.00	13.16	205.35	15.48	229.20	17.97
	110	116.70	9.01	135.60	10.54	154.50	12.18	180.00	14.57	205.35	17.15	229.20	20.09
	115	116.70	9.89	135.60	11.65	154.50	13.46	180.00	16.10	205.35	17.77	229.20	24.23
	118	116.70	10.48	135.60	12.35	154.50	14.26	180.00	17.07	205.35	18.83	229.20	25.69
	122	100.36	9.54	116.62	11.24	132.87	12.98	154.80	15.53	176.60	17.14	197.11	23.38
	125	86.31	8.68	100.29	10.23	114.27	11.81	133.13	14.14	151.88	15.60	169.52	21.27

Tc: Total Capacity

PI: Power Input

Table 63 —38VMA384HDS5-1, 38VMA384HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	323.20	13.34	376.00	15.80	429.87	18.35	499.20	21.85	540.34	23.12	553.14	22.19
	14	323.20	13.61	376.00	16.13	429.87	18.73	499.20	22.30	540.34	23.59	553.14	22.64
	25	323.20	13.89	376.00	16.45	429.87	19.11	499.20	22.75	540.34	24.08	553.14	23.10
	30	323.20	14.21	376.00	16.84	429.87	19.55	499.20	23.29	531.20	23.91	544.00	22.92
	35	323.20	14.55	376.00	17.25	429.87	20.03	499.20	23.86	523.20	23.74	536.00	22.73
	40	323.20	14.89	376.00	17.66	429.87	20.52	499.20	24.42	515.20	23.57	528.00	22.54
	45	323.20	15.25	376.00	18.11	429.87	21.06	491.20	24.35	505.60	23.39	518.40	22.33
	50	323.20	15.60	376.00	18.57	429.87	21.60	483.20	24.27	496.00	23.20	508.80	22.12
	55	323.20	16.03	376.00	19.05	429.87	22.14	475.20	24.09	488.00	23.16	500.80	22.70
	60	323.20	16.45	376.00	19.58	429.87	22.75	467.20	24.33	480.00	24.20	492.80	24.46
	65	323.20	17.16	376.00	20.54	428.27	24.41	452.00	26.15	467.20	27.00	480.00	27.30
	70	323.20	17.56	376.00	21.80	423.47	25.86	448.00	27.40	460.80	27.70	473.60	28.00
	75	323.20	19.26	376.00	23.98	419.20	27.79	441.60	29.13	454.40	29.47	467.20	29.77
	80	323.20	21.13	376.00	26.35	411.73	29.77	430.40	30.88	444.40	31.24	458.40	31.57
	85	323.20	23.14	376.00	28.89	406.40	31.84	422.40	32.64	435.20	33.04	448.00	33.41
	90	323.20	25.27	376.00	31.51	401.07	33.93	414.40	34.40	427.20	34.83	440.00	35.19
	95	323.20	27.55	371.20	33.54	393.60	35.74	406.40	36.18	417.60	36.60	419.20	36.71
	100	323.20	30.08	362.80	35.50	382.40	37.55	396.80	37.92	399.20	37.97	399.20	37.97
	105	323.20	33.09	357.60	37.86	374.04	39.70	378.67	39.83	378.67	39.83	378.67	39.83
	110	323.20	36.90	347.20	40.60	355.20	41.84	355.20	41.84	355.20	41.84	358.40	41.84
	115	307.20	42.21	307.68	42.21	308.27	42.46	309.12	42.59	310.08	42.59	311.04	42.59
	118	264.19	38.48	264.60	38.48	265.11	38.71	265.84	38.82	266.67	38.82	267.49	38.82
	122	227.21	35.02	227.56	35.02	227.99	35.23	228.63	35.33	229.34	35.33	230.05	35.33
	125	195.40	31.87	195.70	31.87	196.07	32.06	196.62	32.15	197.23	32.15	197.84	32.15
120	5	298.88	12.23	348.32	14.45	396.80	16.73	460.80	19.91	521.37	22.92	543.54	22.85
	14	298.88	12.48	348.32	14.75	396.80	17.07	460.80	20.32	521.37	23.39	543.54	23.32
	25	298.88	12.73	348.32	15.05	396.80	17.42	460.80	20.73	521.37	23.86	543.54	23.79
	30	298.88	13.00	348.32	15.38	396.80	17.83	460.80	21.22	516.80	24.06	534.40	23.63
	35	298.88	13.30	348.32	15.75	396.80	18.27	460.80	21.75	511.20	24.14	526.40	23.44
	40	298.88	13.61	348.32	16.12	396.80	18.72	460.80	22.27	505.60	24.22	518.40	23.25
	45	298.88	13.95	348.32	16.53	396.80	19.19	460.80	22.86	497.60	24.05	508.80	23.07
	50	298.88	14.28	348.32	16.94	396.80	19.66	460.80	23.44	489.60	23.88	499.20	22.88
	55	298.88	14.66	348.32	17.39	396.80	20.20	460.80	24.06	479.60	23.70	491.20	22.94
	60	298.88	15.04	348.32	17.85	396.80	20.74	457.60	24.46	470.40	24.18	483.20	24.29
	65	298.88	15.67	348.32	18.63	396.80	21.90	444.80	25.57	457.60	26.64	470.40	27.08
	70	298.88	15.87	348.32	19.46	396.80	23.44	441.60	27.25	454.40	27.51	467.20	27.78
	75	298.88	17.26	348.32	21.36	396.80	25.82	432.00	28.98	444.80	29.25	457.60	29.55
	80	298.88	18.89	348.32	23.44	396.27	28.32	424.00	30.69	436.80	31.03	449.60	31.34
	85	298.88	20.67	348.32	25.68	392.53	30.56	416.00	32.43	428.80	32.78	440.00	33.13
	90	298.88	22.57	348.32	28.09	387.20	32.58	408.00	34.18	418.40	34.56	430.40	34.95
	95	298.88	24.57	348.32	30.65	381.87	34.66	396.80	36.13	409.60	36.43	419.20	36.71
	100	298.88	26.81	348.32	33.49	374.40	36.84	388.80	37.72	398.00	37.97	399.20	37.97
	105	298.88	29.45	346.72	36.55	369.07	39.27	377.60	39.83	378.67	39.83	378.67	39.83
	110	298.88	32.83	341.12	39.58	355.20	41.84	355.20	41.84	355.20	41.84	358.40	41.84
	115	298.88	36.52	305.60	40.79	308.27	42.46	309.12	42.59	310.08	42.59	311.04	42.59
	118	264.19	34.22	264.60	37.44	265.11	38.71	265.84	38.82	266.67	38.82	267.49	38.82
	122	227.21	31.14	227.56	34.07	227.99	35.23	228.63	35.33	229.34	35.33	230.05	35.33
	125	195.40	28.34	195.70	31.00	196.07	32.06	196.62	32.15	197.23	32.15	197.84	32.15
110	5	274.24	11.13	318.16	13.11	362.67	15.16	422.40	18.01	481.60	20.96	533.94	23.50
	14	274.24	11.36	318.16	13.38	362.67	15.47	422.40	18.38	481.60	21.39	533.94	23.98
	25	274.24	11.59	318.16	13.65	362.67	15.78	422.40	18.75	481.60	21.83	533.94	24.47
	30	274.24	11.83	318.16	13.95	362.67	16.14	422.40	19.18	481.60	22.35	524.80	24.31
	35	274.24	12.12	318.16	14.29	362.67	16.54	422.40	19.66	481.60	22.90	516.80	24.16
	40	274.24	12.40	318.16	14.63	362.67	16.94	422.40	20.13	481.60	23.44	508.80	24.01
	45	274.24	12.68	318.16	14.99	362.67	17.36	422.40	20.65	478.40	23.74	500.80	23.82
	50	274.24	12.97	318.16	15.34	362.67	17.79	422.40	21.18	475.20	24.05	492.80	23.63
	55	274.24	13.30	318.16	15.74	362.67	18.25	422.40	21.75	470.80	24.24	481.60	23.46
	60	274.24	13.64	318.16	16.16	362.67	18.74	422.40	22.33	463.20	24.43	473.60	24.10
	65	274.24	14.22	318.16	16.87	362.67	19.57	422.40	23.85	448.40	25.85	460.80	26.89
	70	274.24	14.40	318.16	17.31	362.67	20.67	422.40	25.74	444.80	27.34	457.60	27.59
	75	274.24	15.34	318.16	18.90	362.67	22.73	422.40	28.38	436.80	29.06	448.00	29.32
	80	274.24	16.81	318.16	20.71	362.67	24.93	417.60	30.50	428.40	30.80	440.00	31.10
	85	274.24	18.35	318.16	22.67	362.67	27.33	409.60	32.24	419.20	32.55	432.00	32.87
	90	274.24	20.01	318.16	24.76	362.67	29.89	399.20	33.96	411.20	34.30	421.60	34.66
	95	274.24	21.78	318.16	27.01	362.67	32.68	390.40	36.01	403.20	36.24	412.80	36.45
	100	274.24	23.74	318.16	29.47	359.47	35.22	382.40	37.45	393.20	37.83	399.20	37.97
	105	274.24	26.03	318.16	32.41	354.84	37.73	373.33	39.45	378.67	39.83	378.67	39.83
	110	274.24	28.98	318.16	36.08	347.73	40.70	355.20	41.84	355.20	41.84	358.40	41.84
	115	274.24	32.22	299.44	39.72	308.27	42.46	309.12	42.59	310.08	42.59	311.04	42.59
	118	264.19	32.91	264.60	37.20	265.11	38.71	265.84	38.82	266.67	38.82	267.49	38.82
	122	227.21	29.95	227.56	33.85	227.99	35.23	228.63	35.33	229.34	35.33	230.05	35.33
	125	195.40	27.25	195.70	30.81	196.07	32.06	196.62	32.15	197.23	32.15	197.84	32.15

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	249.28	10.11	289.60	11.84	329.28	13.63	384.00	16.14	438.40	18.78	492.80	21.48
	14	249.28	10.32	289.60	12.08	329.28	13.91	384.00	16.47	438.40	19.16	492.80	21.92
	25	249.28	10.53	289.60	12.32	329.28	14.19	384.00	16.81	438.40	19.56	492.80	22.37
	30	249.28	10.74	289.60	12.58	329.28	14.50	384.00	17.19	438.40	20.01	492.80	22.88
	35	249.28	10.97	289.60	12.88	329.28	14.86	384.00	17.62	438.40	20.50	492.80	23.44
	40	249.28	11.19	289.60	13.17	329.28	15.21	384.00	18.05	438.40	20.99	492.80	24.01
	45	249.28	11.46	289.60	13.49	329.28	15.59	384.00	18.51	438.40	21.54	488.00	24.20
	50	249.28	11.72	289.60	13.81	329.28	15.97	384.00	18.96	438.40	22.09	483.20	24.39
	55	249.28	12.00	289.60	14.15	329.28	16.37	384.00	19.48	438.40	22.68	474.40	24.21
	60	249.28	12.31	289.60	14.52	329.28	16.82	384.00	19.99	438.40	23.28	464.00	24.37
	65	249.28	12.83	289.60	15.13	329.28	17.54	384.00	20.88	437.20	24.95	451.20	26.02
	70	249.28	12.97	289.60	15.31	329.28	18.08	384.00	22.35	432.00	26.57	448.00	27.36
	75	249.28	13.57	289.60	16.56	329.28	19.82	384.00	24.61	428.80	28.74	438.40	29.10
	80	249.28	14.81	289.60	18.15	329.28	21.74	384.00	27.04	420.40	30.59	430.40	30.84
	85	249.28	16.17	289.60	19.84	329.28	23.81	384.00	29.64	411.20	32.32	422.40	32.60
	90	249.28	17.61	289.60	21.66	329.28	26.02	384.00	32.44	403.20	34.06	412.00	34.36
	95	249.28	19.15	289.60	23.58	329.28	28.38	384.00	35.90	393.60	36.01	403.20	36.14
	100	249.28	20.82	289.60	25.69	329.28	30.97	376.00	37.16	385.60	37.57	394.40	37.89
	105	249.28	22.85	289.60	28.24	329.28	34.08	366.93	39.32	375.47	39.64	378.67	39.83
	110	249.28	25.40	289.60	31.45	329.28	38.04	355.20	41.84	355.20	41.84	358.40	41.84
	115	249.28	28.19	289.60	35.00	306.67	40.82	309.12	42.59	310.08	42.59	311.04	42.59
	118	249.28	29.88	254.85	32.65	265.11	37.40	265.84	38.82	266.67	38.82	267.49	38.82
	122	214.38	27.19	219.17	29.71	227.99	34.04	228.63	35.33	229.34	35.33	230.05	35.33
	125	184.37	24.75	188.49	27.04	196.07	30.97	196.62	32.15	197.23	32.15	197.84	32.15
90	5	224.32	9.09	260.56	10.59	296.96	12.15	345.60	14.32	393.60	16.63	441.60	19.01
	14	224.32	9.27	260.56	10.81	296.96	12.40	345.60	14.62	393.60	16.97	441.60	19.40
	25	224.32	9.46	260.56	11.03	296.96	12.65	345.60	14.91	393.60	17.32	441.60	19.79
	30	224.32	9.65	260.56	11.26	296.96	12.93	345.60	15.26	393.60	17.73	441.60	20.28
	35	224.32	9.86	260.56	11.51	296.96	13.23	345.60	15.64	393.60	18.17	441.60	20.77
	40	224.32	10.06	260.56	11.76	296.96	13.53	345.60	16.02	393.60	18.60	441.60	21.26
	45	224.32	10.29	260.56	12.04	296.96	13.86	345.60	16.41	393.60	19.07	441.60	21.80
	50	224.32	10.52	260.56	12.32	296.96	14.18	345.60	16.81	393.60	19.54	441.60	22.35
	55	224.32	10.75	260.56	12.60	296.96	14.54	345.60	17.24	393.60	20.07	441.60	22.96
	60	224.32	11.01	260.56	12.93	296.96	14.93	345.60	17.71	393.60	20.61	441.60	23.57
	65	224.32	11.46	260.56	13.47	296.96	15.54	345.60	18.47	393.60	21.66	441.60	25.46
	70	224.32	11.57	260.56	13.63	296.96	15.75	345.60	19.22	393.60	23.25	438.40	27.17
	75	224.32	11.91	260.56	14.43	296.96	17.12	345.60	21.11	393.60	25.59	428.80	28.87
	80	224.32	12.97	260.56	15.77	296.96	18.77	345.60	23.19	393.60	28.12	420.80	30.61
	85	224.32	14.15	260.56	17.22	296.96	20.52	345.60	25.38	392.80	30.69	412.80	32.34
	90	224.32	15.39	260.56	18.75	296.96	22.38	345.60	27.75	388.40	33.03	404.80	34.09
	95	224.32	16.70	260.56	20.40	296.96	24.40	345.60	30.30	384.00	35.41	393.60	35.84
	100	224.32	18.13	260.56	22.21	296.96	26.60	345.60	33.08	377.60	37.25	385.60	37.63
	105	224.32	19.86	260.56	24.37	296.96	29.23	345.60	36.42	368.53	39.39	376.53	39.83
	110	224.32	22.05	260.56	27.11	296.96	32.56	345.60	40.70	355.20	41.84	358.40	41.84
	115	224.32	24.42	260.56	30.10	296.53	39.06	309.12	42.59	310.08	42.59	311.04	42.59
	118	224.32	25.89	254.85	31.21	257.98	36.02	265.84	38.82	266.67	38.82	267.49	38.82
	122	192.92	23.56	219.17	28.40	221.87	32.78	228.63	35.33	229.34	35.33	230.05	35.33
	125	165.91	21.44	188.49	25.85	190.80	29.83	196.62	32.15	197.23	32.15	197.84	32.15
80	5	199.36	8.12	231.76	9.40	264.11	10.72	307.20	12.59	350.40	14.56	393.60	16.59
	14	199.36	8.29	231.76	9.59	264.11	10.94	307.20	12.85	350.40	14.86	393.60	16.93
	25	199.36	8.46	231.76	9.78	264.11	11.16	307.20	13.11	350.40	15.16	393.60	17.27
	30	199.36	8.59	231.76	9.98	264.11	11.39	307.20	13.38	350.40	15.51	393.60	17.68
	35	199.36	8.78	231.76	10.20	264.11	11.66	307.20	13.70	350.40	15.88	393.60	18.11
	40	199.36	8.97	231.76	10.41	264.11	11.92	307.20	14.02	350.40	16.24	393.60	18.54
	45	199.36	9.16	231.76	10.64	264.11	12.19	307.20	14.38	350.40	16.66	393.60	19.03
	50	199.36	9.35	231.76	10.87	264.11	12.46	307.20	14.74	350.40	17.07	393.60	19.52
	55	199.36	9.54	231.76	11.13	264.11	12.78	307.20	15.09	350.40	17.53	393.60	20.04
	60	199.36	9.78	231.76	11.41	264.11	13.10	307.20	15.49	350.40	18.00	393.60	20.58
	65	199.36	10.16	231.76	11.86	264.11	13.67	307.20	16.12	350.40	18.78	393.60	21.60
	70	199.36	10.25	231.76	12.00	264.11	13.82	307.20	16.36	350.40	19.60	393.60	23.18
	75	199.36	10.52	231.76	12.47	264.11	14.65	307.20	17.90	350.40	21.56	393.60	25.52
	80	199.36	11.27	231.76	13.55	264.11	16.01	307.20	19.62	350.40	23.64	393.60	28.04
	85	199.36	12.25	231.76	14.78	264.11	17.49	307.20	21.46	350.40	25.90	393.60	30.75
	90	199.36	13.31	231.76	16.09	264.11	19.06	307.20	23.42	350.40	28.32	393.60	33.58
	95	199.36	14.44	231.76	17.46	264.11	20.73	307.20	25.55	350.40	30.92	387.20	35.54
	100	199.36	15.63	231.76	18.97	264.11	22.57	307.20	27.85	350.40	33.79	376.00	37.31
	105	199.36	17.07	231.76	20.78	264.11	24.76	307.20	30.63	350.40	37.14	369.07	39.45
	110	199.36	18.92	231.76	23.08	264.11	27.55	307.20	34.15	347.20	40.70	358.40	41.84
	115	199.36	20.96	231.76	25.59	264.11	30.60	307.20	38.07	310.08	42.59	311.04	42.59
	118	199.36	22.21	231.76	27.13	257.98	31.69	265.84	34.92	266.67	38.82	267.49	38.82
	122	171.45	20.21	199.31	24.69	221.87	28.84	228.63	31.78	229.34	35.33	230.05	35.33
	125	147.45	18.39	171.41	22.46	190.80	26.24	196.62	28.92	197.23	32.15	197.84	32.15

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	174.40	7.18	202.72	8.25	231.15	9.36	268.80	10.92	306.40	12.55	345.60	14.28
	14	174.40	7.33	202.72	8.42	231.15	9.55	268.80	11.14	306.40	12.81	345.60	14.57
	25	174.40	7.48	202.72	8.59	231.15	9.75	268.80	11.37	306.40	13.07	345.60	14.87
	30	174.40	7.61	202.72	8.74	231.15	9.92	268.80	11.61	306.40	13.38	345.60	15.19
	35	174.40	7.76	202.72	8.94	231.15	10.14	268.80	11.87	306.40	13.69	345.60	15.57
	40	174.40	7.91	202.72	9.13	231.15	10.36	268.80	12.14	306.40	14.00	345.60	15.94
	45	174.40	8.07	202.72	9.32	231.15	10.61	268.80	12.42	306.40	14.34	345.60	16.34
	50	174.40	8.22	202.72	9.52	231.15	10.85	268.80	12.70	306.40	14.68	345.60	16.73
	55	174.40	8.40	202.72	9.71	231.15	11.08	268.80	13.03	306.40	15.06	345.60	17.17
	60	174.40	8.59	202.72	9.95	231.15	11.36	268.80	13.36	306.40	15.46	345.60	17.64
	65	174.40	8.89	202.72	10.34	231.15	11.82	268.80	13.92	306.40	16.12	345.60	18.39
	70	174.40	8.97	202.72	10.44	231.15	11.96	268.80	14.06	306.40	16.36	345.60	19.11
	75	174.40	9.20	202.72	10.69	231.15	12.37	268.80	14.96	306.40	17.86	345.60	20.99
	80	174.40	9.67	202.72	11.51	231.15	13.48	268.80	16.39	306.40	19.58	345.60	23.05
	85	174.40	10.52	202.72	12.54	231.15	14.71	268.80	17.88	306.40	21.40	345.60	25.25
	90	174.40	11.39	202.72	13.61	231.15	16.00	268.80	19.50	306.40	23.36	345.60	27.60
	95	174.40	12.32	202.72	14.76	231.15	17.37	268.80	21.22	306.40	25.50	345.60	30.11
	100	174.40	13.32	202.72	16.00	231.15	18.87	268.80	23.08	306.40	27.77	345.60	32.88
	105	174.40	14.52	202.72	17.48	231.15	20.68	268.80	25.33	306.40	30.55	345.60	36.22
	110	174.40	16.09	202.72	19.40	231.15	22.97	268.80	28.19	306.40	34.05	345.60	40.33
	115	174.40	17.75	202.72	21.45	231.15	25.45	268.80	31.32	303.68	39.39	311.04	42.59
	118	174.40	18.82	202.72	22.74	231.15	26.98	241.92	29.88	266.67	36.66	267.49	38.82
	122	149.98	17.12	174.34	20.70	198.79	24.55	208.05	27.19	229.34	33.36	230.05	35.33
	125	128.99	15.58	149.93	18.83	170.96	22.34	178.92	24.74	197.23	30.36	197.84	32.15
60	5	149.44	6.30	173.68	7.18	197.97	8.08	230.40	9.34	262.72	10.66	295.04	12.05
	14	149.44	6.43	173.68	7.33	197.97	8.25	230.40	9.53	262.72	10.87	295.04	12.29
	25	149.44	6.56	173.68	7.48	197.97	8.42	230.40	9.72	262.72	11.10	295.04	12.55
	30	149.44	6.67	173.68	7.60	197.97	8.57	230.40	9.91	262.72	11.33	295.04	12.81
	35	149.44	6.80	173.68	7.75	197.97	8.73	230.40	10.12	262.72	11.58	295.04	13.12
	40	149.44	6.93	173.68	7.90	197.97	8.89	230.40	10.33	262.72	11.83	295.04	13.42
	45	149.44	7.07	173.68	8.06	197.97	9.09	230.40	10.57	262.72	12.12	295.04	13.74
	50	149.44	7.20	173.68	8.22	197.97	9.28	230.40	10.82	262.72	12.40	295.04	14.06
	55	149.44	7.31	173.68	8.39	197.97	9.50	230.40	11.06	262.72	12.71	295.04	14.44
	60	149.44	7.48	173.68	8.57	197.97	9.72	230.40	11.33	262.72	13.04	295.04	14.81
	65	149.44	7.71	173.68	8.87	197.97	10.09	230.40	11.76	262.72	13.58	295.04	15.44
	70	149.44	7.80	173.68	8.96	197.97	10.18	230.40	11.91	262.72	13.74	295.04	15.60
	75	149.44	7.95	173.68	9.17	197.97	10.45	230.40	12.29	262.72	14.53	295.04	16.96
	80	149.44	8.24	173.68	9.66	197.97	11.20	230.40	13.43	262.72	15.89	295.04	18.58
	85	149.44	8.91	173.68	10.50	197.97	12.18	230.40	14.62	262.72	17.35	295.04	20.30
	90	149.44	9.62	173.68	11.37	197.97	13.23	230.40	15.91	262.72	18.91	295.04	22.15
	95	149.44	10.40	173.68	12.30	197.97	14.33	230.40	17.30	262.72	20.58	295.04	24.12
	100	149.44	11.21	173.68	13.29	197.97	15.52	230.40	18.78	262.72	22.38	295.04	26.31
	105	149.44	12.20	173.68	14.50	197.97	16.96	230.40	20.57	262.72	24.57	295.04	28.90
	110	149.44	13.46	173.68	16.03	197.97	18.79	230.40	22.84	262.72	27.33	295.04	32.22
	115	149.44	14.81	173.68	17.72	197.97	20.80	230.40	25.33	262.72	30.36	295.04	35.84
	118	149.44	15.70	173.68	18.79	197.97	22.05	230.40	26.85	241.70	29.61	267.49	34.45
	122	128.52	14.29	149.36	17.10	170.26	20.07	198.14	24.43	207.86	26.94	230.05	31.35
	125	110.53	13.00	128.45	15.56	146.42	18.26	170.40	22.23	178.76	24.52	197.84	28.53
50	5	124.48	5.42	144.64	6.11	164.80	6.81	192.00	7.76	219.04	8.76	244.48	9.82
	14	124.48	5.54	144.64	6.24	164.80	6.94	192.00	7.92	219.04	8.94	244.48	10.02
	25	124.48	5.65	144.64	6.36	164.80	7.09	192.00	8.08	219.04	9.12	244.48	10.22
	30	124.48	5.73	144.64	6.46	164.80	7.21	192.00	8.22	219.04	9.27	244.48	10.44
	35	124.48	5.84	144.64	6.56	164.80	7.32	192.00	8.37	219.04	9.47	244.48	10.67
	40	124.48	5.95	144.64	6.66	164.80	7.42	192.00	8.52	219.04	9.67	244.48	10.89
	45	124.48	6.07	144.64	6.79	164.80	7.57	192.00	8.73	219.04	9.89	244.48	11.14
	50	124.48	6.18	144.64	6.92	164.80	7.71	192.00	8.93	219.04	10.12	244.48	11.38
	55	124.48	6.22	144.64	7.06	164.80	7.92	192.00	9.09	219.04	10.36	244.48	11.70
	60	124.48	6.37	144.64	7.19	164.80	8.09	192.00	9.29	219.04	10.62	244.48	11.99
	65	124.48	6.52	144.64	7.40	164.80	8.35	192.00	9.60	219.04	11.05	244.48	12.49
	70	124.48	6.63	144.64	7.48	164.80	8.39	192.00	9.76	219.04	11.12	244.48	12.10
	75	124.48	6.71	144.64	7.64	164.80	8.53	192.00	9.61	219.04	11.19	244.48	12.93
	80	124.48	6.80	144.64	7.80	164.80	8.91	192.00	10.47	219.04	12.20	244.48	14.11
	85	124.48	7.31	144.64	8.46	164.80	9.65	192.00	11.36	219.04	13.30	244.48	15.34
	90	124.48	7.85	144.64	9.12	164.80	10.46	192.00	12.32	219.04	14.45	244.48	16.71
	95	124.48	8.48	144.64	9.84	164.80	11.29	192.00	13.38	219.04	15.66	244.48	18.13
	100	124.48	9.10	144.64	10.58	164.80	12.17	192.00	14.47	219.04	16.98	244.48	19.73
	105	124.48	9.87	144.64	11.51	164.80	13.25	192.00	15.80	219.04	18.59	244.48	21.57
	110	124.48	10.82	144.64	12.65	164.80	14.62	192.00	17.49	219.04	20.60	244.48	24.12
	115	124.48	11.87	144.64	13.99	164.80	16.16	192.00	19.33	219.04	21.33	244.48	29.10
	118	124.48	12.58	144.64	14.83	164.80	17.13	192.00	20.49	219.04	22.61	244.48	30.84
	122	107.05	11.45	124.39	13.50	141.73	15.58	165.12	18.65	188.37	20.58	210.25	28.07
	125	92.07	10.42	106.98	12.28	121.89	14.18	142.00	16.97	162.00	18.73	180.82	25.54

Tc: Total Capacity

PI: Power Input

Table 64 —38VMA408HDS5-1, 38VMA408HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	343.40	14.23	399.50	16.86	456.73	19.58	530.40	23.31	574.11	24.67	587.71	23.67
	14	343.40	14.52	399.50	17.20	456.73	19.98	530.40	23.79	574.11	25.17	587.71	24.16
	25	343.40	14.81	399.50	17.55	456.73	20.39	530.40	24.27	574.11	25.69	587.71	24.65
	30	343.40	15.16	399.50	17.96	456.73	20.86	530.40	24.85	564.40	25.51	578.00	24.45
	35	343.40	15.52	399.50	18.40	456.73	21.37	530.40	25.45	555.90	25.33	569.50	24.25
	40	343.40	15.88	399.50	18.84	456.73	21.89	530.40	26.06	547.40	25.15	561.00	24.05
	45	343.40	16.26	399.50	19.33	456.73	22.46	521.90	25.98	537.20	24.95	550.80	23.82
	50	343.40	16.65	399.50	19.81	456.73	23.04	513.40	25.89	527.00	24.75	540.60	23.60
	55	343.40	17.10	399.50	20.32	456.73	23.62	504.90	25.70	518.50	24.71	532.10	24.22
	60	343.40	17.55	399.50	20.88	456.73	24.27	496.40	25.96	510.00	25.81	523.60	26.10
	65	343.40	18.31	399.50	21.91	455.03	26.04	480.25	27.90	496.40	28.81	510.00	29.12
	70	343.40	18.74	399.50	23.26	449.93	27.58	476.00	29.23	489.60	29.55	503.20	29.88
	75	343.40	20.55	399.50	25.58	445.40	29.65	469.20	31.08	482.80	31.44	496.40	31.77
	80	343.40	22.54	399.50	28.11	437.47	31.76	457.30	32.94	472.18	33.33	487.05	33.69
	85	343.40	24.69	399.50	30.83	431.80	33.97	448.80	34.82	462.40	35.24	476.00	35.65
	90	343.40	26.96	399.50	33.62	426.13	36.20	440.30	36.70	453.90	37.15	467.50	37.55
	95	343.40	29.39	394.40	35.79	418.20	38.13	431.80	38.60	443.70	39.04	445.40	39.16
	100	343.40	32.09	385.48	37.88	406.30	40.06	421.60	40.45	424.15	40.51	424.15	40.51
	105	343.40	35.30	379.95	40.39	397.42	42.35	402.33	42.49	402.33	42.49	402.33	42.49
	110	343.40	39.36	368.90	43.32	377.40	44.63	377.40	44.63	377.40	44.63	380.80	44.63
	115	326.40	45.03	326.91	45.03	327.53	45.30	328.44	45.44	329.46	45.44	330.48	45.44
	118	280.70	41.05	281.14	41.05	281.68	41.30	282.46	41.42	283.34	41.42	284.21	41.42
	122	241.41	37.36	241.78	37.36	242.24	37.58	242.91	37.69	243.67	37.69	244.42	37.69
	125	207.61	34.00	207.93	34.00	208.33	34.20	208.91	34.30	209.56	34.30	210.20	34.30
120	5	317.56	13.05	370.09	15.42	421.60	17.85	489.60	21.24	553.96	24.45	577.51	24.38
	14	317.56	13.31	370.09	15.73	421.60	18.22	489.60	21.68	553.96	24.95	577.51	24.88
	25	317.56	13.59	370.09	16.05	421.60	18.59	489.60	22.12	553.96	25.46	577.51	25.38
	30	317.56	13.87	370.09	16.41	421.60	19.02	489.60	22.64	549.10	25.67	567.80	25.21
	35	317.56	14.19	370.09	16.80	421.60	19.49	489.60	23.20	543.15	25.75	559.30	25.01
	40	317.56	14.52	370.09	17.20	421.60	19.97	489.60	23.76	537.20	25.83	550.80	24.81
	45	317.56	14.88	370.09	17.64	421.60	20.47	489.60	24.39	528.70	25.65	540.60	24.61
	50	317.56	15.24	370.09	18.07	421.60	20.98	489.60	25.01	520.20	25.47	530.40	24.41
	55	317.56	15.64	370.09	18.55	421.60	21.55	489.60	25.66	509.58	25.28	521.90	24.48
	60	317.56	16.04	370.09	19.04	421.60	22.12	486.20	26.10	499.80	25.79	513.40	25.91
	65	317.56	16.72	370.09	19.88	421.60	23.36	472.60	27.28	486.20	28.42	499.80	28.89
	70	317.56	16.93	370.09	20.76	421.60	25.01	469.20	29.07	482.80	29.35	496.40	29.63
	75	317.56	18.42	370.09	22.79	421.60	27.54	459.00	30.92	472.60	31.20	486.20	31.52
	80	317.56	20.15	370.09	25.01	421.03	30.21	450.50	32.74	464.10	33.10	477.70	33.43
	85	317.56	22.05	370.09	27.39	417.07	32.60	442.00	34.60	455.60	34.97	467.50	35.34
	90	317.56	24.08	370.09	29.96	411.40	34.76	433.50	36.46	444.55	36.87	457.30	37.28
	95	317.56	26.22	370.09	32.70	405.73	36.98	421.60	38.54	435.20	38.86	445.40	39.16
	100	317.56	28.60	370.09	35.73	397.80	39.30	413.10	40.24	422.88	40.51	424.15	40.51
	105	317.56	31.42	368.39	39.00	392.13	41.90	401.20	42.49	402.33	42.49	402.33	42.49
	110	317.56	35.02	362.44	42.23	377.40	44.63	377.40	44.63	377.40	44.63	380.80	44.63
	115	317.56	38.96	324.70	43.52	327.53	45.30	328.44	45.44	329.46	45.44	330.48	45.44
	118	280.70	36.51	281.14	39.94	281.68	41.30	282.46	41.42	283.34	41.42	284.21	41.42
	122	241.41	33.22	241.78	36.35	242.24	37.58	242.91	37.69	243.67	37.69	244.42	37.69
	125	207.61	30.23	207.93	33.07	208.33	34.20	208.91	34.30	209.56	34.30	210.20	34.30
110	5	291.38	11.88	338.05	13.99	385.33	16.17	448.80	19.21	511.70	22.36	567.31	25.07
	14	291.38	12.12	338.05	14.27	385.33	16.50	448.80	19.61	511.70	22.82	567.31	25.59
	25	291.38	12.37	338.05	14.56	385.33	16.84	448.80	20.01	511.70	23.28	567.31	26.11
	30	291.38	12.63	338.05	14.89	385.33	17.22	448.80	20.47	511.70	23.84	557.60	25.94
	35	291.38	12.93	338.05	15.25	385.33	17.65	448.80	20.97	511.70	24.43	549.10	25.77
	40	291.38	13.23	338.05	15.61	385.33	18.07	448.80	21.47	511.70	25.01	540.60	25.61
	45	291.38	13.53	338.05	15.99	385.33	18.52	448.80	22.03	508.30	25.33	532.10	25.41
	50	291.38	13.83	338.05	16.37	385.33	18.98	448.80	22.60	504.90	25.65	523.60	25.21
	55	291.38	14.18	338.05	16.79	385.33	19.47	448.80	23.20	500.23	25.86	511.70	25.03
	60	291.38	14.56	338.05	17.24	385.33	20.00	448.80	23.82	492.15	26.07	503.20	25.71
	65	291.38	15.17	338.05	18.00	385.33	20.88	448.80	25.44	476.43	27.58	489.60	28.69
	70	291.38	15.36	338.05	18.47	385.33	22.05	448.80	27.46	472.60	29.17	486.20	29.43
	75	291.38	16.37	338.05	20.17	385.33	24.25	448.80	30.28	464.10	31.00	476.00	31.28
	80	291.38	17.93	338.05	22.10	385.33	26.60	443.70	32.54	455.18	32.86	467.50	33.18
	85	291.38	19.58	338.05	24.18	385.33	29.16	435.20	34.40	445.40	34.72	459.00	35.06
	90	291.38	21.35	338.05	26.41	385.33	31.89	424.15	36.23	436.90	36.60	447.95	36.97
	95	291.38	23.24	338.05	28.82	385.33	34.86	414.80	38.42	428.40	38.66	438.60	38.88
	100	291.38	25.32	338.05	31.44	381.93	37.57	406.30	39.96	417.78	40.36	424.15	40.51
	105	291.38	27.77	338.05	34.58	377.02	40.25	396.67	42.09	402.33	42.49	402.33	42.49
	110	291.38	30.92	338.05	38.49	369.47	43.43	377.40	44.63	377.40	44.63	380.80	44.63
	115	291.38	34.38	318.16	42.37	327.53	45.30	328.44	45.44	329.46	45.44	330.48	45.44
	118	280.70	35.11	281.14	39.69	281.68	41.30	282.46	41.42	283.34	41.42	284.21	41.42
	122	241.41	31.95	241.78	36.12	242.24	37.58	242.91	37.69	243.67	37.69	244.42	37.69
	125	207.61	29.07	207.93	32.87	208.33	34.20	208.91	34.30	209.56	34.30	210.20	34.30

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	264.86	10.79	307.70	12.63	349.86	14.54	408.00	17.22	465.80	20.04	523.60	22.92
	14	264.86	11.01	307.70	12.88	349.86	14.84	408.00	17.57	465.80	20.45	523.60	23.38
	25	264.86	11.23	307.70	13.15	349.86	15.14	408.00	17.93	465.80	20.86	523.60	23.86
	30	264.86	11.46	307.70	13.42	349.86	15.47	408.00	18.34	465.80	21.35	523.60	24.41
	35	264.86	11.70	307.70	13.74	349.86	15.85	408.00	18.80	465.80	21.87	523.60	25.01
	40	264.86	11.94	307.70	14.05	349.86	16.23	408.00	19.26	465.80	22.40	523.60	25.61
	45	264.86	12.22	307.70	14.39	349.86	16.63	408.00	19.74	465.80	22.98	518.50	25.81
	50	264.86	12.51	307.70	14.74	349.86	17.04	408.00	20.23	465.80	23.56	513.40	26.02
	55	264.86	12.81	307.70	15.09	349.86	17.47	408.00	20.78	465.80	24.19	504.05	25.82
	60	264.86	13.13	307.70	15.50	349.86	17.95	408.00	21.33	465.80	24.84	493.00	26.00
	65	264.86	13.69	307.70	16.14	349.86	18.71	408.00	22.28	464.53	26.62	479.40	27.76
	70	264.86	13.83	307.70	16.34	349.86	19.29	408.00	23.84	459.00	28.35	476.00	29.19
	75	264.86	14.48	307.70	17.67	349.86	21.15	408.00	26.26	455.60	30.66	465.80	31.04
	80	264.86	15.80	307.70	19.37	349.86	23.19	408.00	28.85	446.68	32.63	457.30	32.90
	85	264.86	17.25	307.70	21.17	349.86	25.40	408.00	31.62	436.90	34.48	448.80	34.78
	90	264.86	18.79	307.70	23.11	349.86	27.76	408.00	34.61	428.40	36.34	437.75	36.66
	95	264.86	20.43	307.70	25.16	349.86	30.28	408.00	38.30	418.20	38.42	428.40	38.56
	100	264.86	22.22	307.70	27.41	349.86	33.04	399.50	39.65	409.70	40.08	419.05	40.42
	105	264.86	24.38	307.70	30.13	349.86	36.36	389.87	41.95	398.93	42.29	402.33	42.49
	110	264.86	27.10	307.70	33.55	349.86	40.58	377.40	44.63	377.40	44.63	380.80	44.63
	115	264.86	30.08	307.70	37.34	325.83	43.55	328.44	45.44	329.46	45.44	330.48	45.44
	118	264.86	31.88	270.78	34.83	281.68	39.90	282.46	41.42	283.34	41.42	284.21	41.42
	122	227.78	29.01	232.87	31.70	242.24	36.31	242.91	37.69	243.67	37.69	244.42	37.69
	125	195.89	26.40	200.27	28.85	208.33	33.04	208.91	34.30	209.56	34.30	210.20	34.30
90	5	238.34	9.69	276.85	11.30	315.52	12.96	367.20	15.28	418.20	17.74	469.20	20.28
	14	238.34	9.89	276.85	11.53	315.52	13.23	367.20	15.59	418.20	18.10	469.20	20.69
	25	238.34	10.09	276.85	11.77	315.52	13.50	367.20	15.91	418.20	18.47	469.20	21.12
	30	238.34	10.29	276.85	12.01	315.52	13.79	367.20	16.28	418.20	18.92	469.20	21.63
	35	238.34	10.51	276.85	12.28	315.52	14.11	367.20	16.69	418.20	19.38	469.20	22.16
	40	238.34	10.74	276.85	12.55	315.52	14.44	367.20	17.09	418.20	19.84	469.20	22.68
	45	238.34	10.98	276.85	12.85	315.52	14.78	367.20	17.51	418.20	20.35	469.20	23.26
	50	238.34	11.22	276.85	13.15	315.52	15.13	367.20	17.93	418.20	20.85	469.20	23.84
	55	238.34	11.47	276.85	13.45	315.52	15.51	367.20	18.40	418.20	21.41	469.20	24.50
	60	238.34	11.74	276.85	13.79	315.52	15.92	367.20	18.90	418.20	21.98	469.20	25.15
	65	238.34	12.22	276.85	14.37	315.52	16.58	367.20	19.70	418.20	23.11	469.20	27.16
	70	238.34	12.34	276.85	14.55	315.52	16.81	367.20	20.51	418.20	24.81	465.80	28.99
	75	238.34	12.71	276.85	15.39	315.52	18.27	367.20	22.52	418.20	27.30	455.60	30.80
	80	238.34	13.84	276.85	16.82	315.52	20.02	367.20	24.74	418.20	30.00	447.10	32.66
	85	238.34	15.10	276.85	18.37	315.52	21.89	367.20	27.08	417.35	32.74	438.60	34.50
	90	238.34	16.42	276.85	20.00	315.52	23.88	367.20	29.60	412.68	35.24	430.10	36.37
	95	238.34	17.81	276.85	21.76	315.52	26.03	367.20	32.33	408.00	37.78	418.20	38.24
	100	238.34	19.34	276.85	23.70	315.52	28.38	367.20	35.29	401.20	39.74	409.70	40.15
	105	238.34	21.19	276.85	26.00	315.52	31.19	367.20	38.86	391.57	42.02	400.07	42.49
	110	238.34	23.52	276.85	28.92	315.52	34.74	367.20	43.43	377.40	44.63	380.80	44.63
	115	238.34	26.06	276.85	32.12	315.07	41.67	328.44	45.44	329.46	45.44	330.48	45.44
	118	238.34	27.62	270.78	33.30	274.11	38.43	282.46	41.42	283.34	41.42	284.21	41.42
	122	204.97	25.13	232.87	30.30	235.73	34.97	242.91	37.69	243.67	37.69	244.42	37.69
	125	176.28	22.87	200.27	27.57	202.73	31.82	208.91	34.30	209.56	34.30	210.20	34.30
80	5	211.82	8.67	246.25	10.02	280.61	11.44	326.40	13.43	372.30	15.53	418.20	17.70
	14	211.82	8.84	246.25	10.23	280.61	11.67	326.40	13.71	372.30	15.85	418.20	18.06
	25	211.82	9.02	246.25	10.44	280.61	11.91	326.40	13.99	372.30	16.17	418.20	18.43
	30	211.82	9.17	246.25	10.65	280.61	12.16	326.40	14.27	372.30	16.55	418.20	18.86
	35	211.82	9.37	246.25	10.88	280.61	12.44	326.40	14.62	372.30	16.94	418.20	19.32
	40	211.82	9.57	246.25	11.11	280.61	12.72	326.40	14.96	372.30	17.33	418.20	19.78
	45	211.82	9.77	246.25	11.35	280.61	13.01	326.40	15.34	372.30	17.77	418.20	20.31
	50	211.82	9.97	246.25	11.60	280.61	13.30	326.40	15.72	372.30	18.21	418.20	20.83
	55	211.82	10.18	246.25	11.88	280.61	13.63	326.40	16.09	372.30	18.70	418.20	21.38
	60	211.82	10.43	246.25	12.17	280.61	13.98	326.40	16.53	372.30	19.20	418.20	21.95
	65	211.82	10.84	246.25	12.65	280.61	14.58	326.40	17.20	372.30	20.03	418.20	23.04
	70	211.82	10.94	246.25	12.81	280.61	14.74	326.40	17.45	372.30	20.91	418.20	24.73
	75	211.82	11.22	246.25	13.30	280.61	15.63	326.40	19.10	372.30	23.00	418.20	27.22
	80	211.82	12.02	246.25	14.46	280.61	17.08	326.40	20.93	372.30	25.22	418.20	29.92
	85	211.82	13.07	246.25	15.77	280.61	18.66	326.40	22.90	372.30	27.63	418.20	32.81
	90	211.82	14.20	246.25	17.17	280.61	20.34	326.40	24.99	372.30	30.21	418.20	35.83
	95	211.82	15.40	246.25	18.63	280.61	22.12	326.40	27.26	372.30	32.99	411.40	37.92
	100	211.82	16.68	246.25	20.24	280.61	24.08	326.40	29.71	372.30	36.05	399.50	39.81
	105	211.82	18.21	246.25	22.17	280.61	26.41	326.40	32.68	372.30	39.63	392.13	42.09
	110	211.82	20.19	246.25	24.62	280.61	29.39	326.40	36.43	368.90	43.43	380.80	44.63
	115	211.82	22.36	246.25	27.30	280.61	32.65	326.40	40.61	329.46	45.44	330.48	45.44
	118	211.82	23.70	246.25	28.94	274.11	33.81	282.46	37.25	283.34	41.42	284.21	41.42
	122	182.17	21.57	211.77	26.34	235.73	30.76	242.91	33.90	243.67	37.69	244.42	37.69
	125	156.66	19.62	182.12	23.97	202.73	28.00	208.91	30.85	209.56	34.30	210.20	34.30

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	185.30	7.66	215.39	8.80	245.59	9.99	285.60	11.65	325.55	13.39	367.20	15.23
	14	185.30	7.82	215.39	8.98	245.59	10.19	285.60	11.88	325.55	13.67	367.20	15.54
	25	185.30	7.98	215.39	9.16	245.59	10.40	285.60	12.13	325.55	13.94	367.20	15.86
	30	185.30	8.12	215.39	9.33	245.59	10.59	285.60	12.38	325.55	14.27	367.20	16.20
	35	185.30	8.28	215.39	9.53	245.59	10.82	285.60	12.67	325.55	14.61	367.20	16.61
	40	185.30	8.44	215.39	9.74	245.59	11.06	285.60	12.95	325.55	14.94	367.20	17.01
	45	185.30	8.60	215.39	9.95	245.59	11.32	285.60	13.25	325.55	15.30	367.20	17.43
	50	185.30	8.77	215.39	10.15	245.59	11.58	285.60	13.55	325.55	15.66	367.20	17.85
	55	185.30	8.97	215.39	10.36	245.59	11.82	285.60	13.90	325.55	16.07	367.20	18.32
	60	185.30	9.17	215.39	10.62	245.59	12.12	285.60	14.25	325.55	16.50	367.20	18.82
	65	185.30	9.49	215.39	11.03	245.59	12.61	285.60	14.85	325.55	17.19	367.20	19.62
	70	185.30	9.57	215.39	11.14	245.59	12.76	285.60	15.00	325.55	17.45	367.20	20.39
	75	185.30	9.81	215.39	11.41	245.59	13.20	285.60	15.96	325.55	19.06	367.20	22.40
	80	185.30	10.31	215.39	12.28	245.59	14.38	285.60	17.48	325.55	20.88	367.20	24.59
	85	185.30	11.22	215.39	13.37	245.59	15.69	285.60	19.08	325.55	22.83	367.20	26.94
	90	185.30	12.15	215.39	14.52	245.59	17.07	285.60	20.80	325.55	24.92	367.20	29.44
	95	185.30	13.15	215.39	15.74	245.59	18.54	285.60	22.64	325.55	27.20	367.20	32.13
	100	185.30	14.21	215.39	17.07	245.59	20.13	285.60	24.63	325.55	29.63	367.20	35.08
	105	185.30	15.49	215.39	18.65	245.59	22.06	285.60	27.02	325.55	32.59	367.20	38.64
	110	185.30	17.17	215.39	20.70	245.59	24.50	285.60	30.08	325.55	36.33	367.20	43.02
	115	185.30	18.94	215.39	22.89	245.59	27.15	285.60	33.41	322.66	42.02	330.48	45.44
	118	185.30	20.07	215.39	24.26	245.59	28.78	257.04	31.88	283.34	39.11	284.21	41.42
	122	159.36	18.27	185.24	22.08	211.21	26.19	221.05	29.01	243.67	35.59	244.42	37.69
	125	137.05	16.62	159.30	20.09	181.64	23.84	190.11	26.40	209.56	32.39	210.20	34.30
60	5	158.78	6.72	184.54	7.66	210.35	8.62	244.80	9.96	279.14	11.37	313.48	12.85
	14	158.78	6.86	184.54	7.82	210.35	8.80	244.80	10.17	279.14	11.60	313.48	13.12
	25	158.78	7.00	184.54	7.98	210.35	8.98	244.80	10.37	279.14	11.84	313.48	13.38
	30	158.78	7.12	184.54	8.11	210.35	9.14	244.80	10.58	279.14	12.08	313.48	13.67
	35	158.78	7.26	184.54	8.27	210.35	9.32	244.80	10.80	279.14	12.35	313.48	13.99
	40	158.78	7.40	184.54	8.42	210.35	9.49	244.80	11.02	279.14	12.63	313.48	14.31
	45	158.78	7.54	184.54	8.59	210.35	9.70	244.80	11.28	279.14	12.93	313.48	14.66
	50	158.78	7.68	184.54	8.77	210.35	9.90	244.80	11.54	279.14	13.23	313.48	15.00
	55	158.78	7.80	184.54	8.95	210.35	10.14	244.80	11.80	279.14	13.56	313.48	15.40
	60	158.78	7.98	184.54	9.14	210.35	10.37	244.80	12.08	279.14	13.91	313.48	15.80
	65	158.78	8.22	184.54	9.47	210.35	10.76	244.80	12.55	279.14	14.49	313.48	16.48
	70	158.78	8.32	184.54	9.56	210.35	10.86	244.80	12.71	279.14	14.66	313.48	16.65
	75	158.78	8.48	184.54	9.78	210.35	11.15	244.80	13.11	279.14	15.50	313.48	18.09
	80	158.78	8.79	184.54	10.30	210.35	11.95	244.80	14.32	279.14	16.95	313.48	19.82
	85	158.78	9.51	184.54	11.20	210.35	12.99	244.80	15.60	279.14	18.51	313.48	21.65
	90	158.78	10.26	184.54	12.13	210.35	14.11	244.80	16.97	279.14	20.17	313.48	23.63
	95	158.78	11.10	184.54	13.12	210.35	15.29	244.80	18.46	279.14	21.95	313.48	25.73
	100	158.78	11.96	184.54	14.18	210.35	16.56	244.80	20.03	279.14	23.87	313.48	28.07
	105	158.78	13.01	184.54	15.47	210.35	18.10	244.80	21.94	279.14	26.21	313.48	30.83
	110	158.78	14.35	184.54	17.10	210.35	20.05	244.80	24.37	279.14	29.15	313.48	34.38
	115	158.78	15.80	184.54	18.91	210.35	22.20	244.80	27.02	279.14	32.39	313.48	38.24
	118	158.78	16.75	184.54	20.04	210.35	23.53	244.80	28.64	256.81	31.59	284.21	36.75
	122	136.55	15.24	158.70	18.24	180.90	21.41	210.53	26.06	220.86	28.74	244.42	33.44
	125	117.43	13.87	136.48	16.60	155.57	19.48	181.05	23.72	189.94	26.16	210.20	30.43
50	5	132.26	5.79	153.68	6.52	175.10	7.26	204.00	8.28	232.73	9.35	259.76	10.48
	14	132.26	5.91	153.68	6.65	175.10	7.41	204.00	8.45	232.73	9.54	259.76	10.69
	25	132.26	6.03	153.68	6.79	175.10	7.56	204.00	8.62	232.73	9.73	259.76	10.91
	30	132.26	6.11	153.68	6.90	175.10	7.69	204.00	8.77	232.73	9.89	259.76	11.14
	35	132.26	6.23	153.68	7.00	175.10	7.81	204.00	8.93	232.73	10.10	259.76	11.38
	40	132.26	6.35	153.68	7.11	175.10	7.92	204.00	9.09	232.73	10.31	259.76	11.62
	45	132.26	6.47	153.68	7.24	175.10	8.08	204.00	9.31	232.73	10.55	259.76	11.88
	50	132.26	6.59	153.68	7.38	175.10	8.23	204.00	9.53	232.73	10.80	259.76	12.14
	55	132.26	6.63	153.68	7.53	175.10	8.45	204.00	9.70	232.73	11.05	259.76	12.49
	60	132.26	6.80	153.68	7.67	175.10	8.63	204.00	9.91	232.73	11.33	259.76	12.79
	65	132.26	6.96	153.68	7.90	175.10	8.91	204.00	10.24	232.73	11.79	259.76	13.33
	70	132.26	7.08	153.68	7.98	175.10	8.95	204.00	10.41	232.73	11.86	259.76	12.91
	75	132.26	7.16	153.68	8.15	175.10	9.10	204.00	10.25	232.73	11.94	259.76	13.79
	80	132.26	7.26	153.68	8.32	175.10	9.51	204.00	11.17	232.73	13.01	259.76	15.06
	85	132.26	7.80	153.68	9.02	175.10	10.30	204.00	12.12	232.73	14.18	259.76	16.37
	90	132.26	8.37	153.68	9.73	175.10	11.15	204.00	13.14	232.73	15.42	259.76	17.82
	95	132.26	9.05	153.68	10.49	175.10	12.05	204.00	14.27	232.73	16.71	259.76	19.34
	100	132.26	9.71	153.68	11.29	175.10	12.98	204.00	15.44	232.73	18.12	259.76	21.05
	105	132.26	10.53	153.68	12.28	175.10	14.14	204.00	16.86	232.73	19.83	259.76	23.01
	110	132.26	11.54	153.68	13.50	175.10	15.60	204.00	18.66	232.73	21.97	259.76	25.73
	115	132.26	12.67	153.68	14.93	175.10	17.24	204.00	20.63	232.73	22.76	259.76	31.04
	118	132.26	13.43	153.68	15.82	175.10	18.27	204.00	21.87	232.73	24.12	259.76	32.90
	122	113.74	12.22	132.16	14.40	150.59	16.63	175.44	19.90	200.15	21.95	223.39	29.94
	125	97.82	11.12	113.66	13.10	129.50	15.13	150.88	18.11	172.13	19.98	192.12	27.25

Tc: Total Capacity

PI: Power Input

Table 65 —38VMA432HDS5-1, 38VMA432HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE °FDB											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	5	363.60	14.97	423.00	17.74	483.60	20.60	561.60	24.53	607.89	25.96	622.29	24.91
	14	363.60	15.28	423.00	18.10	483.60	21.02	561.60	25.03	607.89	26.49	622.29	25.42
	25	363.60	15.59	423.00	18.47	483.60	21.45	561.60	25.54	607.89	27.03	622.29	25.94
	30	363.60	15.95	423.00	18.90	483.60	21.94	561.60	26.15	597.60	26.85	612.00	25.72
	35	363.60	16.33	423.00	19.36	483.60	22.49	561.60	26.78	588.60	26.65	603.00	25.51
	40	363.60	16.71	423.00	19.82	483.60	23.03	561.60	27.42	579.60	26.46	594.00	25.30
	45	363.60	17.11	423.00	20.33	483.60	23.64	552.60	27.33	568.80	26.25	583.20	25.07
	50	363.60	17.52	423.00	20.85	483.60	24.24	543.60	27.25	558.00	26.04	572.40	24.84
	55	363.60	17.99	423.00	21.38	483.60	24.86	534.60	27.05	549.00	26.00	563.40	25.48
	60	363.60	18.47	423.00	21.97	483.60	25.54	525.60	27.31	540.00	27.16	554.40	27.46
	65	363.60	19.26	423.00	23.05	481.80	27.40	508.50	29.35	525.60	30.31	540.00	30.64
	70	363.60	19.72	423.00	24.48	476.40	29.02	504.00	30.76	518.40	31.10	532.80	31.44
	75	363.60	21.62	423.00	26.92	471.60	31.20	496.80	32.70	511.20	33.09	525.60	33.42
	80	363.60	23.71	423.00	29.58	463.20	33.42	484.20	34.66	499.95	35.07	515.70	35.44
	85	363.60	25.98	423.00	32.44	457.20	35.74	475.20	36.64	489.60	37.08	504.00	37.51
	90	363.60	28.37	423.00	35.37	451.20	38.09	466.20	38.62	480.60	39.09	495.00	39.51
	95	363.60	30.93	417.60	37.66	442.80	40.12	457.20	40.62	469.80	41.08	471.60	41.21
	100	363.60	33.76	408.15	39.86	430.20	42.15	446.40	42.56	449.10	42.63	449.10	42.63
	105	363.60	37.15	402.30	42.50	420.80	44.57	426.00	44.71	426.00	44.71	426.00	44.71
	110	363.60	41.42	390.60	45.58	399.60	46.96	399.60	46.96	399.60	46.96	403.20	46.96
	115	345.60	47.39	346.14	47.39	346.80	47.67	347.76	47.81	348.84	47.81	349.92	47.81
	118	297.22	43.20	297.68	43.20	298.25	43.45	299.07	43.58	300.00	43.58	300.93	43.58
	122	255.61	39.31	256.01	39.31	256.49	39.54	257.20	39.66	258.00	39.66	258.80	39.66
	125	219.82	35.77	220.16	35.77	220.58	35.98	221.19	36.09	221.88	36.09	222.57	36.09
120	5	336.24	13.73	391.86	16.22	446.40	18.78	518.40	22.35	586.54	25.73	611.49	25.65
	14	336.24	14.01	391.86	16.55	446.40	19.17	518.40	22.81	586.54	26.25	611.49	26.17
	25	336.24	14.29	391.86	16.89	446.40	19.56	518.40	23.28	586.54	26.79	611.49	26.71
	30	336.24	14.60	391.86	17.26	446.40	20.01	518.40	23.82	581.40	27.01	601.20	26.53
	35	336.24	14.94	391.86	17.68	446.40	20.51	518.40	24.41	575.10	27.10	592.20	26.32
	40	336.24	15.27	391.86	18.10	446.40	21.01	518.40	25.00	568.80	27.18	583.20	26.10
	45	336.24	15.65	391.86	18.56	446.40	21.54	518.40	25.66	559.80	26.99	572.40	25.89
	50	336.24	16.04	391.86	19.02	446.40	22.07	518.40	26.32	550.80	26.80	561.60	25.68
	55	336.24	16.46	391.86	19.52	446.40	22.67	518.40	27.00	539.55	26.60	552.60	25.76
	60	336.24	16.88	391.86	20.04	446.40	23.28	514.80	27.46	529.20	27.14	543.60	27.27
	65	336.24	17.59	391.86	20.91	446.40	24.58	500.40	28.71	514.80	29.90	529.20	30.40
	70	336.24	17.81	391.86	21.84	446.40	26.32	496.80	30.59	511.20	30.89	525.60	31.18
	75	336.24	19.38	391.86	23.98	446.40	28.98	486.00	32.54	500.40	32.83	514.80	33.17
	80	336.24	21.21	391.86	26.32	445.80	31.79	477.00	34.45	491.40	34.83	505.80	35.18
	85	336.24	23.21	391.86	28.82	441.60	34.31	468.00	36.41	482.40	36.80	495.00	37.19
	90	336.24	25.33	391.86	31.53	435.60	36.58	459.00	38.36	470.70	38.80	484.20	39.23
	95	336.24	27.59	391.86	34.41	429.60	38.91	446.40	40.55	460.80	40.89	471.60	41.21
	100	336.24	30.09	391.86	37.60	421.20	41.35	437.40	42.34	447.75	42.63	449.10	42.63
	105	336.24	33.06	390.06	41.03	415.20	44.09	424.80	44.71	426.00	44.71	426.00	44.71
	110	336.24	36.85	383.76	44.44	399.60	46.96	399.60	46.96	399.60	46.96	403.20	46.96
	115	336.24	41.00	343.80	45.79	346.80	47.67	347.76	47.81	348.84	47.81	349.92	47.81
	118	297.22	38.41	297.68	42.03	298.25	43.45	299.07	43.58	300.00	43.58	300.93	43.58
	122	255.61	34.96	256.01	38.24	256.49	39.54	257.20	39.66	258.00	39.66	258.80	39.66
	125	219.82	31.81	220.16	34.80	220.58	35.98	221.19	36.09	221.88	36.09	222.57	36.09
110	5	308.52	12.50	357.93	14.72	408.00	17.02	475.20	20.22	541.80	23.53	600.69	26.38
	14	308.52	12.75	357.93	15.02	408.00	17.37	475.20	20.63	541.80	24.01	600.69	26.92
	25	308.52	13.01	357.93	15.32	408.00	17.72	475.20	21.05	541.80	24.50	600.69	27.47
	30	308.52	13.29	357.93	15.66	408.00	18.12	475.20	21.54	541.80	25.09	590.40	27.29
	35	308.52	13.60	357.93	16.05	408.00	18.57	475.20	22.06	541.80	25.70	581.40	27.12
	40	308.52	13.92	357.93	16.43	408.00	19.01	475.20	22.59	541.80	26.32	572.40	26.95
	45	308.52	14.24	357.93	16.82	408.00	19.49	475.20	23.19	538.20	26.65	563.40	26.74
	50	308.52	14.55	357.93	17.22	408.00	19.97	475.20	23.78	534.60	26.99	554.40	26.53
	55	308.52	14.92	357.93	17.67	408.00	20.49	475.20	24.41	529.65	27.22	541.80	26.34
	60	308.52	15.32	357.93	18.14	408.00	21.04	475.20	25.07	521.10	27.43	532.80	27.06
	65	308.52	15.96	357.93	18.94	408.00	21.97	475.20	26.77	504.45	29.02	518.40	30.19
	70	308.52	16.16	357.93	19.43	408.00	23.20	475.20	28.90	500.40	30.70	514.80	30.97
	75	308.52	17.22	357.93	21.22	408.00	25.51	475.20	31.86	491.40	32.62	504.00	32.92
	80	308.52	18.87	357.93	23.25	408.00	27.99	469.80	34.24	481.95	34.58	495.00	34.92
	85	308.52	20.60	357.93	25.44	408.00	30.68	460.80	36.20	471.60	36.53	486.00	36.89
	90	308.52	22.47	357.93	27.79	408.00	33.55	449.10	38.12	462.60	38.51	474.30	38.90
	95	308.52	24.45	357.93	30.33	408.00	36.68	439.20	40.43	453.60	40.68	464.40	40.91
	100	308.52	26.64	357.93	33.09	404.40	39.53	430.20	42.04	442.35	42.47	449.10	42.63
	105	308.52	29.22	357.93	36.38	399.20	42.35	420.00	44.28	426.00	44.71	426.00	44.71
	110	308.52	32.54	357.93	40.50	391.20	45.69	399.60	46.96	399.60	46.96	403.20	46.96
	115	308.52	36.17	336.87	44.58	346.80	47.67	347.76	47.81	348.84	47.81	349.92	47.81
	118	297.22	36.94	297.68	41.76	298.25	43.45	299.07	43.58	300.00	43.58	300.93	43.58
	122	255.61	33.62	256.01	38.00	256.49	39.54	257.20	39.66	258.00	39.66	258.80	39.66
	125	219.82	30.59	220.16	34.58	220.58	35.98	221.19	36.09	221.88	36.09	222.57	36.09

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE °FDB											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	5	280.44	11.35	325.80	13.29	370.44	15.30	432.00	18.12	493.20	21.08	554.40	24.11
	14	280.44	11.58	325.80	13.56	370.44	15.61	432.00	18.49	493.20	21.51	554.40	24.61
	25	280.44	11.82	325.80	13.83	370.44	15.93	432.00	18.87	493.20	21.95	554.40	25.11
	30	280.44	12.06	325.80	14.12	370.44	16.27	432.00	19.29	493.20	22.47	554.40	25.68
	35	280.44	12.31	325.80	14.45	370.44	16.68	432.00	19.78	493.20	23.02	554.40	26.32
	40	280.44	12.57	325.80	14.79	370.44	17.08	432.00	20.27	493.20	23.57	554.40	26.95
	45	280.44	12.86	325.80	15.15	370.44	17.50	432.00	20.77	493.20	24.18	549.00	27.16
	50	280.44	13.16	325.80	15.51	370.44	17.92	432.00	21.28	493.20	24.79	543.60	27.37
	55	280.44	13.48	325.80	15.88	370.44	18.38	432.00	21.86	493.20	25.45	533.70	27.17
	60	280.44	13.81	325.80	16.30	370.44	18.88	432.00	22.44	493.20	26.14	522.00	27.35
	65	280.44	14.41	325.80	16.98	370.44	19.68	432.00	23.44	491.85	28.01	507.60	29.21
	70	280.44	14.55	325.80	17.19	370.44	20.29	432.00	25.09	486.00	29.83	504.00	30.72
	75	280.44	15.23	325.80	18.59	370.44	22.25	432.00	27.63	482.40	32.26	493.20	32.66
	80	280.44	16.63	325.80	20.38	370.44	24.40	432.00	30.36	472.95	34.34	484.20	34.62
	85	280.44	18.15	325.80	22.28	370.44	26.73	432.00	33.28	462.60	36.28	475.20	36.60
	90	280.44	19.77	325.80	24.31	370.44	29.21	432.00	36.42	453.60	38.24	463.50	38.58
	95	280.44	21.49	325.80	26.47	370.44	31.86	432.00	40.30	442.80	40.43	453.60	40.57
	100	280.44	23.38	325.80	28.84	370.44	34.77	423.00	41.72	433.80	42.18	443.70	42.53
	105	280.44	25.65	325.80	31.70	370.44	38.26	412.80	44.14	422.40	44.50	426.00	44.71
	110	280.44	28.52	325.80	35.31	370.44	42.70	399.60	46.96	399.60	46.96	403.20	46.96
	115	280.44	31.65	325.80	39.29	345.00	45.82	347.76	47.81	348.84	47.81	349.92	47.81
	118	280.44	33.55	286.70	36.65	298.25	41.99	299.07	43.58	300.00	43.58	300.93	43.58
	122	241.18	30.53	246.57	33.36	256.49	38.21	257.20	39.66	258.00	39.66	258.80	39.66
	125	207.41	27.78	212.05	30.35	220.58	34.77	221.19	36.09	221.88	36.09	222.57	36.09
90	5	252.36	10.20	293.13	11.89	334.08	13.64	388.80	16.08	442.80	18.67	496.80	21.34
	14	252.36	10.41	293.13	12.14	334.08	13.92	388.80	16.41	442.80	19.05	496.80	21.77
	25	252.36	10.62	293.13	12.38	334.08	14.20	388.80	16.74	442.80	19.44	496.80	22.22
	30	252.36	10.83	293.13	12.64	334.08	14.51	388.80	17.14	442.80	19.91	496.80	22.76
	35	252.36	11.06	293.13	12.92	334.08	14.85	388.80	17.56	442.80	20.39	496.80	23.31
	40	252.36	11.30	293.13	13.20	334.08	15.19	388.80	17.98	442.80	20.88	496.80	23.86
	45	252.36	11.55	293.13	13.52	334.08	15.56	388.80	18.43	442.80	21.41	496.80	24.48
	50	252.36	11.80	293.13	13.84	334.08	15.92	388.80	18.87	442.80	21.94	496.80	25.09
	55	252.36	12.07	293.13	14.15	334.08	16.32	388.80	19.36	442.80	22.52	496.80	25.78
	60	252.36	12.35	293.13	14.51	334.08	16.75	388.80	19.89	442.80	23.13	496.80	26.46
	65	252.36	12.86	293.13	15.12	334.08	17.44	388.80	20.73	442.80	24.31	496.80	28.58
	70	252.36	12.99	293.13	15.31	334.08	17.69	388.80	21.58	442.80	26.10	493.20	30.50
	75	252.36	13.37	293.13	16.19	334.08	19.22	388.80	23.69	442.80	28.73	482.40	32.41
	80	252.36	14.56	293.13	17.70	334.08	21.07	388.80	26.03	442.80	31.57	473.40	34.37
	85	252.36	15.89	293.13	19.33	334.08	23.03	388.80	28.50	441.90	34.45	464.40	36.30
	90	252.36	17.27	293.13	21.05	334.08	25.13	388.80	31.15	436.95	37.08	455.40	38.27
	95	252.36	18.74	293.13	22.90	334.08	27.39	388.80	34.02	432.00	39.75	442.80	40.24
	100	252.36	20.35	293.13	24.94	334.08	29.86	388.80	37.14	424.80	41.82	433.80	42.25
	105	252.36	22.30	293.13	27.35	334.08	32.82	388.80	40.88	414.60	44.21	423.60	44.71
	110	252.36	24.75	293.13	30.43	334.08	36.56	388.80	45.69	399.60	46.96	403.20	46.96
	115	252.36	27.42	293.13	33.79	333.60	43.85	347.76	47.81	348.84	47.81	349.92	47.81
	118	252.36	29.06	286.70	35.04	290.23	40.44	299.07	43.58	300.00	43.58	300.93	43.58
	122	217.03	26.45	246.57	31.88	249.60	36.80	257.20	39.66	258.00	39.66	258.80	39.66
	125	186.65	24.07	212.05	29.01	214.66	33.48	221.19	36.09	221.88	36.09	222.57	36.09
80	5	224.28	9.12	260.73	10.55	297.12	12.03	345.60	14.13	394.20	16.34	442.80	18.62
	14	224.28	9.31	260.73	10.76	297.12	12.28	345.60	14.42	394.20	16.68	442.80	19.00
	25	224.28	9.50	260.73	10.98	297.12	12.53	345.60	14.72	394.20	17.02	442.80	19.39
	30	224.28	9.65	260.73	11.20	297.12	12.79	345.60	15.02	394.20	17.41	442.80	19.84
	35	224.28	9.86	260.73	11.44	297.12	13.09	345.60	15.38	394.20	17.82	442.80	20.33
	40	224.28	10.07	260.73	11.69	297.12	13.38	345.60	15.74	394.20	18.24	442.80	20.82
	45	224.28	10.28	260.73	11.95	297.12	13.69	345.60	16.14	394.20	18.70	442.80	21.37
	50	224.28	10.49	260.73	12.21	297.12	13.99	345.60	16.54	394.20	19.17	442.80	21.92
	55	224.28	10.71	260.73	12.50	297.12	14.34	345.60	16.93	394.20	19.67	442.80	22.50
	60	224.28	10.98	260.73	12.80	297.12	14.71	345.60	17.39	394.20	20.20	442.80	23.10
	65	224.28	11.40	260.73	13.31	297.12	15.34	345.60	18.10	394.20	21.08	442.80	24.24
	70	224.28	11.51	260.73	13.48	297.12	15.51	345.60	18.36	394.20	22.00	442.80	26.02
	75	224.28	11.80	260.73	13.99	297.12	16.44	345.60	20.10	394.20	24.20	442.80	28.64
	80	224.28	12.65	260.73	15.21	297.12	17.97	345.60	22.02	394.20	26.54	442.80	31.48
	85	224.28	13.75	260.73	16.59	297.12	19.64	345.60	24.10	394.20	29.08	442.80	34.52
	90	224.28	14.95	260.73	18.06	297.12	21.40	345.60	26.30	394.20	31.79	442.80	37.70
	95	224.28	16.20	260.73	19.60	297.12	23.27	345.60	28.69	394.20	34.71	435.60	39.90
	100	224.28	17.55	260.73	21.30	297.12	25.34	345.60	31.27	394.20	37.93	423.00	41.89
	105	224.28	19.17	260.73	23.32	297.12	27.79	345.60	34.38	394.20	41.70	415.20	44.28
	110	224.28	21.24	260.73	25.90	297.12	30.93	345.60	38.33	390.60	45.69	403.20	46.96
	115	224.28	23.52	260.73	28.73	297.12	34.35	345.60	42.73	348.84	47.81	349.92	47.81
	118	224.28	24.94	260.73	30.45	290.23	35.57	299.07	39.20	300.00	43.58	300.93	43.58
	122	192.88	22.69	224.23	27.71	249.60	32.37	257.20	35.67	258.00	39.66	258.80	39.66
	125	165.88	20.65	192.84	25.22	214.66	29.46	221.19	32.46	221.88	36.09	222.57	36.09

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE	INDOOR AIR TEMPERATURE °FDB											
		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB		DB /WB	
		67°F	57°F	71°F	60°F	75°F	63°F	80°F	67°F	85°F	71°F	90°F	75°F
		Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	5	196.20	8.06	228.06	9.26	260.04	10.51	302.40	12.25	344.70	14.09	388.80	16.03
	14	196.20	8.23	228.06	9.45	260.04	10.72	302.40	12.50	344.70	14.38	388.80	16.35
	25	196.20	8.40	228.06	9.64	260.04	10.94	302.40	12.76	344.70	14.67	388.80	16.69
	30	196.20	8.55	228.06	9.82	260.04	11.14	302.40	13.03	344.70	15.02	388.80	17.05
	35	196.20	8.72	228.06	10.03	260.04	11.39	302.40	13.33	344.70	15.37	388.80	17.47
	40	196.20	8.88	228.06	10.25	260.04	11.64	302.40	13.62	344.70	15.72	388.80	17.90
	45	196.20	9.05	228.06	10.47	260.04	11.91	302.40	13.94	344.70	16.10	388.80	18.34
	50	196.20	9.22	228.06	10.68	260.04	12.19	302.40	14.26	344.70	16.48	388.80	18.79
	55	196.20	9.43	228.06	10.90	260.04	12.44	302.40	14.63	344.70	16.91	388.80	19.27
	60	196.20	9.65	228.06	11.17	260.04	12.75	302.40	15.00	344.70	17.36	388.80	19.80
	65	196.20	9.98	228.06	11.61	260.04	13.27	302.40	15.62	344.70	18.09	388.80	20.65
	70	196.20	10.07	228.06	11.72	260.04	13.43	302.40	15.78	344.70	18.36	388.80	21.45
	75	196.20	10.32	228.06	12.01	260.04	13.89	302.40	16.80	344.70	20.05	388.80	23.57
	80	196.20	10.85	228.06	12.92	260.04	15.14	302.40	18.39	344.70	21.97	388.80	25.87
	85	196.20	11.80	228.06	14.07	260.04	16.51	302.40	20.08	344.70	24.02	388.80	28.35
	90	196.20	12.79	228.06	15.28	260.04	17.96	302.40	21.88	344.70	26.23	388.80	30.98
	95	196.20	13.84	228.06	16.56	260.04	19.50	302.40	23.82	344.70	28.62	388.80	33.80
	100	196.20	14.96	228.06	17.96	260.04	21.19	302.40	25.91	344.70	31.18	388.80	36.91
	105	196.20	16.30	228.06	19.62	260.04	23.21	302.40	28.43	344.70	34.29	388.80	40.66
	110	196.20	18.07	228.06	21.78	260.04	25.78	302.40	31.65	344.70	38.23	388.80	45.27
	115	196.20	19.93	228.06	24.08	260.04	28.57	302.40	35.16	341.64	44.21	349.92	47.81
	118	196.20	21.12	228.06	25.53	260.04	30.29	272.16	33.54	300.00	41.15	300.93	43.58
	122	168.73	19.22	196.13	23.23	223.63	27.56	234.06	30.52	258.00	37.45	258.80	39.66
	125	145.11	17.49	168.67	21.14	192.33	25.08	201.29	27.78	221.88	34.08	222.57	36.09
60	5	168.12	7.08	195.39	8.06	222.72	9.07	259.20	10.48	295.56	11.96	331.92	13.53
	14	168.12	7.22	195.39	8.22	222.72	9.26	259.20	10.70	295.56	12.21	331.92	13.80
	25	168.12	7.37	195.39	8.39	222.72	9.45	259.20	10.92	295.56	12.46	331.92	14.08
	30	168.12	7.49	195.39	8.54	222.72	9.62	259.20	11.13	295.56	12.71	331.92	14.39
	35	168.12	7.64	195.39	8.70	222.72	9.80	259.20	11.36	295.56	13.00	331.92	14.72
	40	168.12	7.78	195.39	8.86	222.72	9.98	259.20	11.59	295.56	13.29	331.92	15.06
	45	168.12	7.93	195.39	9.04	222.72	10.20	259.20	11.87	295.56	13.60	331.92	15.42
	50	168.12	8.08	195.39	9.22	222.72	10.42	259.20	12.14	295.56	13.92	331.92	15.78
	55	168.12	8.21	195.39	9.41	222.72	10.67	259.20	12.42	295.56	14.27	331.92	16.20
	60	168.12	8.40	195.39	9.62	222.72	10.92	259.20	12.71	295.56	14.64	331.92	16.63
	65	168.12	8.65	195.39	9.96	222.72	11.32	259.20	13.20	295.56	15.25	331.92	17.34
	70	168.12	8.76	195.39	10.06	222.72	11.42	259.20	13.37	295.56	15.42	331.92	17.52
	75	168.12	8.93	195.39	10.29	222.72	11.73	259.20	13.79	295.56	16.31	331.92	19.04
	80	168.12	9.24	195.39	10.84	222.72	12.57	259.20	15.07	295.56	17.83	331.92	20.86
	85	168.12	10.01	195.39	11.78	222.72	13.67	259.20	16.42	295.56	19.47	331.92	22.78
	90	168.12	10.80	195.39	12.76	222.72	14.85	259.20	17.85	295.56	21.22	331.92	24.87
	95	168.12	11.68	195.39	13.80	222.72	16.09	259.20	19.42	295.56	23.10	331.92	27.08
	100	168.12	12.59	195.39	14.92	222.72	17.42	259.20	21.08	295.56	25.12	331.92	29.53
	105	168.12	13.69	195.39	16.27	222.72	19.04	259.20	23.09	295.56	27.58	331.92	32.44
	110	168.12	15.10	195.39	17.99	222.72	21.10	259.20	25.64	295.56	30.67	331.92	36.17
	115	168.12	16.63	195.39	19.90	222.72	23.35	259.20	28.43	295.56	34.08	331.92	40.24
	118	168.12	17.63	195.39	21.09	222.72	24.76	259.20	30.14	271.92	33.23	300.93	38.67
	122	144.58	16.04	168.04	19.19	191.54	22.53	222.91	27.43	233.85	30.24	258.80	35.19
	125	124.34	14.60	144.51	17.46	164.72	20.50	191.70	24.96	201.11	27.52	222.57	32.02
50	5	140.04	6.09	162.72	6.86	185.40	7.64	216.00	8.71	246.42	9.84	275.04	11.02
	14	140.04	6.21	162.72	7.00	185.40	7.80	216.00	8.89	246.42	10.04	275.04	11.25
	25	140.04	6.34	162.72	7.14	185.40	7.95	216.00	9.07	246.42	10.24	275.04	11.48
	30	140.04	6.43	162.72	7.26	185.40	8.10	216.00	9.22	246.42	10.41	275.04	11.72
	35	140.04	6.56	162.72	7.37	185.40	8.22	216.00	9.39	246.42	10.63	275.04	11.97
	40	140.04	6.68	162.72	7.48	185.40	8.33	216.00	9.56	246.42	10.85	275.04	12.23
	45	140.04	6.81	162.72	7.62	185.40	8.50	216.00	9.79	246.42	11.11	275.04	12.50
	50	140.04	6.94	162.72	7.76	185.40	8.66	216.00	10.03	246.42	11.36	275.04	12.78
	55	140.04	6.98	162.72	7.93	185.40	8.90	216.00	10.21	246.42	11.63	275.04	13.14
	60	140.04	7.15	162.72	8.07	185.40	9.08	216.00	10.43	246.42	11.92	275.04	13.45
	65	140.04	7.32	162.72	8.31	185.40	9.37	216.00	10.78	246.42	12.40	275.04	14.03
	70	140.04	7.45	162.72	8.40	185.40	9.42	216.00	10.96	246.42	12.48	275.04	13.58
	75	140.04	7.53	162.72	8.58	185.40	9.58	216.00	10.79	246.42	12.57	275.04	14.51
	80	140.04	7.64	162.72	8.76	185.40	10.00	216.00	11.75	246.42	13.69	275.04	15.84
	85	140.04	8.21	162.72	9.49	185.40	10.84	216.00	12.76	246.42	14.92	275.04	17.22
	90	140.04	8.81	162.72	10.24	185.40	11.74	216.00	13.82	246.42	16.22	275.04	18.75
	95	140.04	9.52	162.72	11.04	185.40	12.68	216.00	15.02	246.42	17.58	275.04	20.35
	100	140.04	10.22	162.72	11.88	185.40	13.66	216.00	16.25	246.42	19.07	275.04	22.15
	105	140.04	11.08	162.72	12.93	185.40	14.87	216.00	17.74	246.42	20.87	275.04	24.21
	110	140.04	12.14	162.72	14.21	185.40	16.42	216.00	19.63	246.42	23.12	275.04	27.08
	115	140.04	13.33	162.72	15.71	185.40	18.14	216.00	21.70	246.42	23.95	275.04	32.66
	118	140.04	14.13	162.72	16.65	185.40	19.22	216.00	23.01	246.42	25.38	275.04	34.62
	122	120.43	12.86	139.94	15.15	159.44	17.49	185.76	20.94	211.92	23.10	236.53	31.51
	125	103.57	11.70	120.35	13.79	137.12	15.92	159.75	19.05	182.25	21.02	203.42	28.67

Tc: Total Capacity

PI: Power Input

Heating Capacity

SINGLE UNITS

Table 66 —38VMA072HDS5-1, 38VMA072HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	43.20	6.04	43.10	6.08	42.99	6.12	42.89	6.15	42.79	6.18	42.70	6.20
	2.00	1.0	45.90	6.14	45.80	6.17	45.69	6.21	45.58	6.23	45.47	6.26	45.39	6.28
	7.00	6.0	49.50	6.25	49.40	6.28	49.27	6.30	49.16	6.32	49.05	6.34	48.98	6.35
	12.00	10.0	53.10	6.39	52.99	6.41	52.86	6.42	52.74	6.43	52.63	6.44	52.55	6.45
	17.00	15.0	56.98	6.54	56.87	6.54	56.73	6.54	56.61	6.54	56.49	6.55	56.39	6.55
	22.00	20.0	61.24	6.37	61.13	6.37	60.99	6.37	60.87	6.38	60.74	6.38	60.64	6.38
	27.00	24.0	66.77	6.24	66.65	6.24	66.51	6.24	66.38	6.24	66.24	6.24	66.14	6.24
	32.00	29.0	74.57	6.06	74.42	6.07	74.28	6.07	74.15	6.07	74.01	6.07	73.90	6.07
	37.00	34.0	79.47	5.89	79.28	5.89	79.16	5.90	79.04	5.90	78.87	5.90	78.79	5.90
	42.00	38.0	85.17	5.76	84.98	5.76	84.85	5.76	82.74	5.76	82.08	5.76	81.00	5.76
	47.00	43.0	93.36	5.59	91.25	5.59	89.13	5.59	87.01	5.59	84.90	5.59	83.49	5.59
	52.00	47.0	96.78	5.45	94.67	5.45	92.55	5.45	90.43	5.45	88.32	5.45	86.91	5.45
	57.00	52.0	101.06	5.28	98.95	5.28	96.83	5.28	94.71	5.28	92.60	5.28	91.18	5.28
	62.00	56.0	104.48	5.14	102.37	5.14	100.25	5.14	98.13	5.14	96.02	5.14	91.90	4.90
	67.00	61.0	108.76	4.97	106.64	4.97	104.53	4.97	102.41	4.97	96.74	4.68	91.90	4.41
	72.00	66.0	113.04	4.79	110.92	4.80	108.81	4.80	103.99	4.60	96.74	4.22	91.90	3.98
	75.00	69.0	115.60	4.69	113.49	4.69	111.37	4.69	104.94	4.37	96.74	3.95	91.90	3.72
120	-3.00	-4.0	43.01	6.10	42.92	6.14	42.85	6.17	42.76	6.20	42.64	6.22	42.58	6.24
	2.00	1.0	45.71	6.19	45.61	6.22	45.54	6.24	45.45	6.27	45.35	6.29	45.26	6.30
	7.00	6.0	49.32	6.29	49.22	6.31	49.12	6.33	49.02	6.34	48.91	6.36	48.82	6.37
	12.00	10.0	52.90	6.41	52.80	6.42	52.70	6.43	52.60	6.44	52.49	6.45	52.39	6.46
	17.00	15.0	56.83	6.54	56.67	6.54	56.56	6.55	56.47	6.55	56.34	6.55	56.25	6.55
	22.00	20.0	61.02	6.37	60.90	6.37	60.81	6.38	60.71	6.38	60.59	6.38	60.49	6.38
	27.00	24.0	66.53	6.24	66.41	6.24	66.32	6.24	66.22	6.24	66.05	6.24	65.98	6.24
	32.00	29.0	74.32	6.07	74.19	6.07	74.07	6.07	73.95	6.07	73.62	6.07	73.13	6.07
	37.00	34.0	79.22	5.90	79.09	5.90	78.93	5.90	78.79	5.90	75.03	5.90	73.01	5.90
	42.00	38.0	81.47	5.76	81.35	5.76	81.19	5.76	80.40	5.76	78.45	5.76	75.37	5.76
	47.00	43.0	90.54	5.59	88.59	5.59	86.63	5.59	84.68	5.59	82.73	5.59	81.42	5.59
	52.00	47.0	93.96	5.45	92.01	5.45	90.05	5.45	88.10	5.45	86.15	5.45	84.83	5.45
	57.00	52.0	98.24	5.28	96.29	5.28	94.33	5.28	92.38	5.28	89.30	5.17	84.83	4.87
	62.00	56.0	101.66	5.14	99.71	5.14	97.75	5.14	95.80	5.14	89.30	4.74	84.83	4.46
	67.00	61.0	105.94	4.97	103.99	4.97	102.03	4.97	95.99	4.64	89.30	4.26	84.83	4.02
	72.00	66.0	110.22	4.80	108.26	4.80	102.69	4.53	95.99	4.18	89.30	3.85	84.83	3.63
	75.00	69.0	112.78	4.69	110.83	4.69	103.09	4.26	95.99	3.91	89.30	3.60	84.83	3.40
110	-3.00	-4.0	42.85	6.16	42.79	6.19	42.68	6.21	42.58	6.24	42.50	6.26	42.46	6.28
	2.00	1.0	45.58	6.24	45.48	6.26	45.37	6.28	45.26	6.30	45.20	6.32	45.13	6.34
	7.00	6.0	49.16	6.33	49.06	6.34	48.95	6.35	48.85	6.37	48.78	6.39	48.69	6.40
	12.00	10.0	52.74	6.43	52.64	6.44	52.52	6.45	52.41	6.46	52.31	6.46	52.25	6.47
	17.00	15.0	59.44	6.54	59.33	6.55	59.19	6.55	56.32	6.55	56.20	6.55	56.10	6.55
	22.00	20.0	63.30	6.37	63.18	6.38	63.04	6.38	60.49	6.38	60.39	6.38	60.34	6.38
	27.00	24.0	68.31	6.24	68.23	6.24	68.10	6.24	65.98	6.24	65.11	6.24	63.68	6.24
	32.00	29.0	75.60	6.07	75.47	6.07	75.34	6.07	73.43	6.07	70.70	6.07	67.95	6.07
	37.00	34.0	79.75	5.90	79.62	5.90	79.03	5.90	76.14	5.90	71.92	5.90	69.13	5.90
	42.00	38.0	84.97	5.76	84.37	5.76	82.03	5.76	78.07	5.76	76.28	5.76	73.32	5.76
	47.00	43.0	91.26	5.59	88.11	5.59	84.14	5.59	82.35	5.59	80.56	5.59	77.76	5.40
	52.00	47.0	93.89	5.45	89.35	5.45	87.56	5.45	85.77	5.45	81.86	5.22	77.76	4.92
	57.00	52.0	95.42	5.28	93.63	5.28	91.84	5.28	87.99	5.08	81.86	4.67	77.76	4.40
	62.00	56.0	98.84	5.14	97.05	5.14	94.13	5.04	87.99	4.65	81.86	4.28	77.76	4.04
	67.00	61.0	103.12	4.97	100.27	4.88	94.13	4.53	87.99	4.19	81.86	3.86	77.76	3.64
	72.00	66.0	106.41	4.72	100.27	4.40	94.13	4.09	87.99	3.79	81.86	3.49	77.76	3.30
	75.00	69.0	108.39	4.58	100.27	4.11	94.13	3.83	87.99	3.54	81.86	3.27	77.76	3.09
100	-3.00	-4.0	42.70	6.21	42.61	6.23	42.54	6.25	42.46	6.28	42.37	6.44	42.33	7.19
	2.00	1.0	45.39	6.28	45.29	6.29	45.22	6.31	45.13	6.33	45.05	6.49	45.00	7.03
	7.00	6.0	48.96	6.35	48.85	6.36	48.78	6.38	48.69	6.39	48.60	6.55	48.55	6.86
	12.00	10.0	52.53	6.45	52.43	6.45	52.35	6.46	52.25	6.47	51.97	6.58	51.56	6.72
	17.00	15.0	59.21	6.55	59.10	6.55	59.01	6.55	56.10	6.55	55.25	6.55	54.23	6.55
	22.00	20.0	63.06	6.38	62.95	6.38	62.85	6.38	60.34	6.38	57.84	6.38	55.57	6.38
	27.00	24.0	68.12	6.24	68.00	6.24	67.61	6.24	63.76	6.24	60.22	6.24	57.85	6.24
	32.00	29.0	75.38	6.07	74.86	6.07	72.87	6.07	68.04	6.07	64.26	6.07	61.74	6.07
	37.00	34.0	83.09	5.90	80.62	5.90	77.09	5.90	72.31	5.90	68.30	5.90	65.62	5.90
	42.00	38.0	88.21	5.76	84.11	5.76	79.94	5.76	75.73	5.76	71.53	5.76	68.72	5.46
	47.00	43.0	90.23	5.59	85.94	5.59	81.64	5.59	80.00	5.59	74.41	5.13	70.69	4.83
	52.00	47.0	91.02	5.45	86.69	5.45	85.06	5.45	80.00	5.08	74.41	4.67	70.69	4.41
	57.00	52.0	92.60	5.28	90.97	5.28	85.58	4.92	80.00	4.54	74.41	4.18	70.69	3.95
	62.00	56.0	96.02	5.14	91.16	4.85	85.58	4.51	80.00	4.17	74.41	3.84	70.69	3.63
	67.00	61.0	96.74	4.68	91.16	4.36	85.58	4.06	80.00	3.76	74.41	3.47	70.69	3.28
	72.00	66.0	96.74	4.22	91.16	3.94	85.58	3.67	80.00	3.40	74.41	3.14	70.69	2.97
	75.00	69.0	96.74	3.95	91.16	3.69	85.58	3.43	80.00	3.19	74.41	2.95	70.69	2.79

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	41.79	7.18	41.71	7.19	41.64	7.19	41.61	7.19	41.05	7.19	40.07	7.19
	2.00	1.0	44.42	7.02	44.37	7.02	44.29	7.02	44.23	7.03	43.56	7.03	42.12	7.03
	7.00	6.0	48.40	6.85	48.35	6.85	48.29	6.86	48.20	6.86	47.11	6.86	45.29	6.86
	12.00	10.0	52.80	6.72	52.75	6.72	52.65	6.72	51.73	6.72	50.84	6.72	48.87	6.72
	17.00	15.0	61.52	6.55	61.46	6.55	60.80	6.55	55.54	6.55	54.57	6.55	52.45	6.55
	22.00	20.0	64.65	6.38	64.47	6.38	62.25	6.38	56.72	6.38	55.72	6.38	55.56	6.38
	27.00	24.0	70.64	6.24	68.21	6.24	65.15	6.24	59.93	6.24	56.62	6.25	58.98	6.25
	32.00	29.0	78.14	6.07	74.42	6.07	70.72	6.07	65.70	6.07	64.24	6.07	63.26	6.07
	37.00	34.0	82.41	5.90	78.48	5.90	74.59	5.90	69.98	5.90	66.97	5.68	63.62	5.35
	42.00	38.0	83.95	5.76	79.95	5.76	75.98	5.76	72.00	5.58	66.97	5.12	63.62	4.83
	47.00	43.0	85.09	5.59	81.04	5.59	77.02	5.34	72.00	4.94	66.97	4.54	63.62	4.28
	52.00	47.0	86.15	5.45	82.04	5.24	77.02	4.86	72.00	4.50	66.97	4.14	63.62	3.91
	57.00	52.0	87.06	5.02	82.04	4.68	77.02	4.35	72.00	4.03	66.97	3.72	63.62	3.51
	62.00	56.0	87.06	4.60	82.04	4.29	77.02	3.99	72.00	3.70	66.97	3.42	63.62	3.23
	67.00	61.0	87.06	4.14	82.04	3.87	77.02	3.60	72.00	3.34	66.97	3.09	63.62	2.93
	72.00	66.0	87.06	3.74	82.04	3.50	77.02	3.26	72.00	3.03	66.97	2.81	63.62	2.66
	75.00	69.0	87.06	3.50	82.04	3.28	77.02	3.06	72.00	2.85	66.97	2.64	63.62	2.50
80	-3.00	-4.0	41.73	7.19	40.82	7.19	39.90	7.19	39.00	7.19	37.82	7.20	36.97	7.20
	2.00	1.0	46.14	7.02	44.76	7.02	43.39	7.03	42.03	7.03	40.45	7.03	39.57	7.03
	7.00	6.0	51.83	6.86	49.93	6.86	48.04	6.86	46.16	6.86	44.12	6.86	43.19	6.86
	12.00	10.0	57.83	6.72	55.38	6.72	52.92	6.72	50.47	6.72	47.94	6.73	46.96	6.73
	17.00	15.0	64.15	6.55	61.09	6.55	58.04	6.55	54.98	6.55	51.93	6.55	50.89	6.56
	22.00	20.0	64.85	6.38	61.76	6.38	58.67	6.38	55.58	6.38	52.49	6.38	51.44	6.38
	27.00	24.0	65.73	6.24	62.60	6.24	59.47	6.25	56.34	6.25	57.79	6.25	55.52	6.18
	32.00	29.0	73.93	6.07	70.41	6.07	66.89	6.07	63.37	6.07	59.53	5.67	56.55	5.34
	37.00	34.0	74.66	5.90	71.11	5.90	67.55	5.83	64.00	5.38	59.53	4.95	56.55	4.67
	42.00	38.0	74.66	5.76	71.11	5.67	67.55	5.26	64.00	4.86	59.53	4.48	56.55	4.23
	47.00	43.0	74.66	5.37	71.11	5.01	67.55	4.66	64.00	4.31	59.53	3.98	56.55	3.76
	52.00	47.0	74.66	4.89	71.11	4.57	67.55	4.25	64.00	3.94	59.53	3.64	56.55	3.44
	57.00	52.0	74.66	4.37	71.11	4.09	67.55	3.81	64.00	3.54	59.53	3.27	56.55	3.10
	62.00	56.0	74.66	4.01	71.11	3.76	67.55	3.50	64.00	3.25	59.53	3.01	56.55	2.86
	67.00	61.0	74.66	3.62	71.11	3.39	67.55	3.17	64.00	2.95	59.53	2.73	56.55	2.59
	72.00	66.0	74.66	3.28	71.11	3.07	67.55	2.87	64.00	2.68	59.53	2.48	56.55	2.36
	75.00	69.0	74.66	3.08	71.11	2.88	67.55	2.70	64.00	2.51	59.53	2.34	56.55	2.22
70	-3.00	-4.0	41.07	7.19	40.16	7.19	39.26	7.20	38.38	7.20	37.22	7.20	36.11	7.20
	2.00	1.0	45.48	7.03	44.12	7.03	42.77	7.03	41.43	7.03	39.88	7.03	38.59	7.03
	7.00	6.0	51.16	6.86	49.28	6.86	47.42	6.86	45.57	6.86	43.56	6.86	42.06	6.86
	12.00	10.0	57.15	6.72	54.72	6.72	52.31	6.73	49.90	6.73	47.41	6.73	45.68	6.73
	17.00	15.0	63.46	6.55	60.43	6.55	57.44	6.55	54.43	6.56	51.43	6.56	49.44	6.56
	22.00	20.0	64.15	6.38	61.09	6.38	58.07	6.38	55.03	6.38	52.09	6.36	49.49	5.99
	27.00	24.0	65.28	6.25	62.17	6.25	59.09	6.25	56.00	6.11	52.09	5.61	49.49	5.28
	32.00	29.0	65.28	6.07	62.17	6.07	59.09	5.71	56.00	5.28	52.09	4.86	49.49	4.58
	37.00	34.0	65.28	5.76	62.17	5.37	59.09	4.99	56.00	4.62	52.09	4.26	49.49	4.02
	42.00	38.0	65.28	5.19	62.17	4.85	59.09	4.51	56.00	4.18	52.09	3.86	49.49	3.65
	47.00	43.0	65.28	4.60	62.17	4.30	59.09	4.00	56.00	3.72	52.09	3.44	49.49	3.26
	52.00	47.0	65.28	4.20	62.17	3.93	59.09	3.66	56.00	3.40	52.09	3.15	49.49	2.99
	57.00	52.0	65.28	3.76	62.17	3.52	59.09	3.29	56.00	3.06	52.09	2.84	49.49	2.70
	62.00	56.0	65.28	3.46	62.17	3.24	59.09	3.03	56.00	2.83	52.09	2.62	49.49	2.49
	67.00	61.0	65.28	3.13	62.17	2.94	59.09	2.75	56.00	2.56	52.09	2.38	49.49	2.27
	72.00	66.0	65.28	2.84	62.17	2.67	59.09	2.50	56.00	2.33	52.09	2.17	49.49	2.07
	75.00	69.0	65.28	2.67	62.17	2.51	59.09	2.35	56.00	2.20	52.09	2.05	49.49	1.95
60	-3.00	-4.0	38.08	7.20	37.29	7.20	36.50	7.20	35.74	7.20	34.82	7.20	33.66	7.20
	2.00	1.0	41.24	7.03	40.06	7.03	38.88	7.03	37.73	7.03	36.55	7.04	35.16	7.04
	7.00	6.0	45.49	6.86	43.87	6.86	42.25	6.86	40.65	6.86	39.17	6.87	37.51	6.87
	12.00	10.0	49.95	6.73	47.86	6.73	45.76	6.73	43.68	6.73	41.87	6.73	39.93	6.73
	17.00	15.0	54.62	6.56	52.02	6.56	49.41	6.56	46.81	6.56	44.65	6.30	42.42	5.93
	22.00	20.0	56.75	6.38	54.05	6.38	51.35	6.26	48.00	5.78	44.65	5.31	42.42	5.01
	27.00	24.0	56.75	6.25	54.05	5.94	51.35	5.51	48.00	5.10	44.65	4.70	42.42	4.44
	32.00	29.0	58.04	5.50	54.05	5.13	51.35	4.78	48.00	4.43	44.65	4.09	42.42	3.87
	37.00	34.0	58.04	4.81	54.05	4.50	51.35	4.19	48.00	3.89	44.65	3.60	42.42	3.41
	42.00	38.0	58.04	4.35	54.05	4.07	51.35	3.80	48.00	3.53	44.65	3.27	42.42	3.10
	47.00	43.0	58.04	3.87	54.69	3.62	51.35	3.39	48.00	3.15	44.65	2.93	42.42	2.78
	52.00	47.0	58.04	3.54	54.69	3.32	51.35	3.10	48.00	2.89	44.65	2.69	42.42	2.55
	57.00	52.0	58.04	3.18	54.69	2.99	51.35	2.80	48.00	2.61	44.65	2.43	42.42	2.31
	62.00	56.0	58.04	2.93	54.69	2.76	51.35	2.59	48.00	2.42	44.65	2.25	42.42	2.14
	67.00	61.0	58.04	2.66	54.69	2.50	51.35	2.35	48.00	2.20	44.65	2.05	42.42	1.95
	72.00	66.0	58.04	2.42	54.69	2.28	51.35	2.14	48.00	2.01	44.65	1.87	42.42	1.79
	75.00	69.0	58.04	2.28	54.69	2.15	51.35	2.02	48.00	1.89	44.65	1.77	42.42	1.69

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	35.40	7.20	35.00	7.20	34.16	7.20	33.34	7.21	32.00	7.21	30.40	7.21
	2.00	1.0	37.47	7.03	36.89	7.04	35.63	7.04	34.39	7.04	32.74	7.04	31.11	7.04
	7.00	6.0	40.48	6.86	39.69	6.87	37.95	6.87	36.23	6.87	34.23	6.87	32.52	6.87
	12.00	10.0	43.60	6.73	42.58	6.73	40.34	6.73	38.10	6.70	35.72	6.15	33.93	5.79
	17.00	15.0	46.83	6.56	45.58	6.45	42.79	5.99	40.00	5.54	37.21	5.10	35.35	4.81
	22.00	20.0	48.37	5.83	45.58	5.44	42.79	5.06	40.00	4.69	37.21	4.33	35.35	4.09
	27.00	24.0	48.37	5.15	45.58	4.81	42.79	4.48	40.00	4.16	37.21	3.85	35.35	3.64
	32.00	29.0	48.37	4.47	45.58	4.18	42.79	3.90	40.00	3.63	37.21	3.37	35.35	3.19
	37.00	34.0	48.37	3.92	45.58	3.68	42.79	3.44	40.00	3.21	37.21	2.98	35.35	2.83
	42.00	38.0	48.37	3.56	45.58	3.34	42.79	3.13	40.00	2.92	37.21	2.72	35.35	2.58
	47.00	43.0	48.37	3.18	45.58	2.99	42.79	2.80	40.00	2.62	37.21	2.44	35.35	2.32
	52.00	47.0	48.37	2.92	45.58	2.75	42.79	2.58	40.00	2.41	37.21	2.25	35.35	2.14
	57.00	52.0	48.37	2.63	45.58	2.48	42.79	2.33	40.00	2.18	37.21	2.04	35.35	1.95
	62.00	56.0	48.37	2.43	45.58	2.30	42.79	2.16	40.00	2.03	37.21	1.89	35.35	1.81
	67.00	61.0	48.37	2.21	45.58	2.09	42.79	1.97	40.00	1.85	37.21	1.73	35.35	1.65
	72.00	66.0	48.37	2.02	45.58	1.91	42.79	1.80	40.00	1.69	37.21	1.59	35.35	1.52
	75.00	69.0	48.37	1.91	45.58	1.80	42.79	1.70	40.00	1.60	37.21	1.50	35.35	1.43

Tc: Total Capacity

PI: Power Input

Table 67 —38VMA096HDS5-1, 38VMA096HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	56.94	7.23	56.77	7.38	56.60	7.53	56.42	7.67	56.25	7.80	56.11	7.88
	2.00	1.0	62.08	7.71	61.90	7.83	61.71	7.94	61.56	8.04	61.34	8.14	61.24	8.20
	7.00	6.0	67.59	8.19	67.40	8.27	67.17	8.34	67.01	8.41	66.79	8.48	66.68	8.52
	12.00	10.0	72.05	8.67	71.86	8.71	71.63	8.75	71.47	8.79	71.24	8.82	71.13	8.85
	17.00	15.0	76.84	9.14	76.65	9.14	76.47	9.15	76.33	9.15	76.11	9.15	76.00	9.15
	22.00	20.0	82.82	8.94	82.63	8.94	82.45	8.94	82.22	8.94	82.08	8.94	81.97	8.95
	27.00	24.0	87.75	8.77	87.12	8.77	86.91	8.77	86.91	8.78	86.63	8.78	86.07	8.78
	32.00	29.0	95.27	8.56	94.89	8.56	94.53	8.57	94.42	8.57	94.24	8.57	93.90	8.57
	37.00	34.0	107.12	8.35	106.78	8.36	106.36	8.36	106.21	8.36	106.21	8.36	106.21	8.36
	42.00	38.0	115.28	8.19	115.01	8.19	114.55	8.19	111.69	8.19	111.52	8.19	111.16	8.19
	47.00	43.0	126.04	7.98	123.18	7.98	120.33	7.98	117.47	7.98	114.61	7.98	112.71	7.98
	52.00	47.0	130.66	7.81	127.80	7.81	124.95	7.81	122.09	7.81	119.23	7.81	117.33	7.81
	57.00	52.0	136.44	7.60	133.58	7.60	130.72	7.60	127.86	7.60	125.01	7.60	123.10	7.60
	62.00	56.0	141.05	7.43	138.20	7.43	135.34	7.43	132.48	7.43	129.63	7.44	124.07	7.08
	67.00	61.0	146.83	7.22	143.97	7.22	141.12	7.22	138.26	7.22	130.60	6.80	124.07	6.41
	72.00	66.0	152.60	7.01	149.75	7.01	146.89	7.01	140.39	6.72	130.60	6.17	124.07	5.82
	75.00	69.0	156.07	6.89	153.21	6.89	150.35	6.89	141.68	6.42	130.60	5.79	124.07	5.46
120	-3.00	-4.0	56.66	7.48	56.48	7.61	56.32	7.73	56.19	7.85	56.04	7.96	55.93	8.03
	2.00	1.0	61.80	7.90	61.62	8.00	61.45	8.09	61.32	8.18	61.10	8.26	61.00	8.31
	7.00	6.0	67.26	8.31	67.07	8.38	66.90	8.45	66.76	8.51	66.54	8.56	66.43	8.59
	12.00	10.0	71.72	8.74	71.53	8.77	71.35	8.80	71.22	8.84	71.03	8.86	70.88	8.88
	17.00	15.0	76.59	9.15	76.40	9.15	76.22	9.15	76.00	9.15	75.86	9.15	75.74	9.16
	22.00	20.0	82.57	8.94	82.37	8.94	82.20	8.94	81.97	8.94	81.83	8.95	81.71	8.95
	27.00	24.0	86.91	8.77	86.91	8.77	86.91	8.78	86.91	8.78	86.07	8.78	86.07	8.78
	32.00	29.0	94.76	8.56	94.50	8.57	94.42	8.57	94.42	8.57	93.90	8.57	93.90	8.57
	37.00	34.0	106.66	8.36	106.32	8.36	106.21	8.36	106.21	8.36	101.29	8.36	100.42	8.36
	42.00	38.0	109.06	8.19	108.67	8.19	108.54	8.19	108.54	8.19	105.91	8.19	102.77	8.19
	47.00	43.0	122.23	7.98	119.59	7.98	116.96	7.98	114.32	7.98	111.68	7.98	109.92	7.98
	52.00	47.0	126.85	7.81	124.21	7.81	121.58	7.81	118.94	7.81	116.30	7.82	114.53	7.81
	57.00	52.0	132.63	7.60	129.99	7.60	127.35	7.60	124.71	7.60	120.55	7.45	114.53	7.01
	62.00	56.0	137.25	7.43	134.61	7.43	131.97	7.43	129.33	7.44	120.55	6.85	114.53	6.45
	67.00	61.0	143.02	7.22	140.38	7.22	137.75	7.22	129.59	6.74	120.55	6.20	114.53	5.84
	72.00	66.0	148.79	7.01	146.16	7.01	138.64	6.62	129.59	6.12	120.55	5.63	114.53	5.31
	75.00	69.0	152.26	6.89	149.62	6.89	139.17	6.26	129.59	5.74	120.55	5.29	114.53	4.99
110	-3.00	-4.0	56.40	7.70	56.24	7.81	56.09	7.91	55.93	8.01	55.80	8.09	55.70	8.13
	2.00	1.0	61.48	8.07	61.36	8.15	61.21	8.22	61.04	8.30	60.88	8.36	60.80	8.37
	7.00	6.0	66.93	8.43	66.80	8.48	66.65	8.54	66.51	8.59	66.31	8.62	66.23	8.62
	12.00	10.0	71.38	8.79	71.26	8.82	71.10	8.85	70.97	8.88	70.80	8.89	70.69	8.88
	17.00	15.0	76.25	9.15	76.06	9.15	75.94	9.15	75.74	9.15	75.60	9.16	75.49	9.16
	22.00	20.0	82.22	8.94	82.03	8.94	81.91	8.95	81.71	8.95	81.57	8.95	81.46	8.95
	27.00	24.0	86.91	8.78	86.91	8.78	86.35	8.78	86.07	8.78	86.07	8.78	86.07	8.78
	32.00	29.0	94.42	8.57	94.42	8.57	94.07	8.57	93.90	8.57	92.99	8.57	91.85	8.57
	37.00	34.0	106.21	8.36	106.21	8.36	106.21	8.36	105.31	8.36	100.94	8.36	97.62	8.36
	42.00	38.0	110.89	8.19	110.89	8.19	109.11	8.19	105.39	8.19	102.98	8.19	99.30	8.20
	47.00	43.0	118.42	7.98	116.00	7.98	113.59	7.98	111.17	7.98	108.75	7.98	104.98	7.72
	52.00	47.0	123.04	7.81	120.62	7.81	118.21	7.81	115.79	7.82	110.51	7.49	104.98	7.05
	57.00	52.0	128.82	7.60	126.40	7.60	123.98	7.60	118.80	7.32	110.51	6.72	104.98	6.33
	62.00	56.0	133.44	7.43	131.02	7.44	127.08	7.29	118.80	6.73	110.51	6.19	104.98	5.84
	67.00	61.0	139.21	7.22	135.37	7.10	127.08	6.59	118.80	6.09	110.51	5.61	104.98	5.29
	72.00	66.0	143.66	6.91	135.37	6.44	127.08	5.98	118.80	5.54	110.51	5.10	104.98	4.82
	75.00	69.0	146.33	6.71	135.37	6.04	127.08	5.62	118.80	5.20	110.51	4.80	104.98	4.54
100	-3.00	-4.0	56.11	7.91	55.98	7.99	55.85	8.08	55.70	8.20	55.58	8.25	55.49	8.66
	2.00	1.0	61.24	8.22	61.06	8.29	60.94	8.35	60.80	8.45	60.65	8.48	60.60	8.90
	7.00	6.0	66.68	8.54	66.49	8.58	66.37	8.62	66.23	8.70	66.07	8.71	66.01	9.15
	12.00	10.0	71.13	8.85	70.99	8.88	70.85	8.90	70.69	8.96	70.56	8.94	70.46	9.38
	17.00	15.0	75.91	9.15	75.79	9.15	75.63	9.16	75.49	9.16	75.35	9.16	75.24	9.16
	22.00	20.0	81.88	8.94	81.75	8.95	81.60	8.95	81.46	8.95	81.31	8.95	81.20	8.95
	27.00	24.0	86.07	8.78	86.07	8.78	86.07	8.78	86.07	8.78	84.40	8.78	82.30	8.78
	32.00	29.0	93.90	8.57	93.90	8.57	93.45	8.57	91.85	8.57	87.23	8.57	83.81	8.57
	37.00	34.0	106.21	8.36	105.19	8.36	102.45	8.36	97.62	8.36	92.20	8.36	88.58	8.36
	42.00	38.0	117.39	8.19	113.13	8.19	107.92	8.19	102.24	8.19	96.56	8.20	92.78	7.77
	47.00	43.0	121.82	7.98	116.02	7.98	110.22	7.98	108.00	7.98	100.46	7.33	95.44	6.90
	52.00	47.0	122.89	7.81	117.03	7.81	114.84	7.82	108.00	7.29	100.46	6.70	95.44	6.32
	57.00	52.0	125.01	7.60	122.81	7.60	115.53	7.08	108.00	6.54	100.46	6.02	95.44	5.68
	62.00	56.0	129.63	7.44	123.06	7.02	115.53	6.52	108.00	6.03	100.46	5.56	95.44	5.25
	67.00	61.0	130.60	6.80	123.06	6.35	115.53	5.90	108.00	5.47	100.46	5.04	95.44	4.77
	72.00	66.0	130.60	6.17	123.06	5.76	115.53	5.36	108.00	4.98	100.46	4.60	95.44	4.35
	75.00	69.0	130.60	5.79	123.06	5.41	115.53	5.04	108.00	4.68	100.46	4.33	95.44	4.10

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	54.92	8.70	54.80	8.79	54.70	8.89	54.59	9.02	54.47	9.07	54.38	9.52
	2.00	1.0	59.32	9.05	59.21	9.11	59.09	9.19	58.97	9.30	58.83	9.33	58.78	9.79
	7.00	6.0	63.93	9.53	63.81	9.53	63.70	9.53	63.58	9.53	63.43	9.53	63.37	9.54
	12.00	10.0	68.21	9.36	68.09	9.36	67.98	9.37	67.86	9.37	67.74	9.37	67.64	9.37
	17.00	15.0	72.88	9.15	72.76	9.16	72.61	9.16	72.47	9.16	72.09	9.16	71.50	9.16
	22.00	20.0	76.15	8.95	76.03	8.95	75.89	8.95	75.75	8.95	76.33	8.95	75.01	8.95
	27.00	24.0	83.51	8.78	83.35	8.78	82.62	8.78	79.19	8.78	80.95	8.78	79.63	8.79
	32.00	29.0	99.83	8.57	97.51	8.57	93.69	8.57	88.70	8.57	86.72	8.58	85.40	8.58
	37.00	34.0	109.83	8.36	104.73	8.36	99.79	8.36	94.47	8.36	90.41	8.05	85.89	7.58
	42.00	38.0	113.00	8.19	107.75	8.19	102.66	8.20	97.20	7.93	90.41	7.29	85.89	6.87
	47.00	43.0	114.13	7.98	108.82	7.98	103.98	7.63	97.20	7.05	90.41	6.49	85.89	6.12
	52.00	47.0	115.42	7.82	110.76	7.51	103.98	6.97	97.20	6.45	90.41	5.94	85.89	5.61
	57.00	52.0	117.54	7.23	110.76	6.74	103.98	6.26	97.20	5.80	90.41	5.35	85.89	5.06
	62.00	56.0	117.54	6.65	110.76	6.21	103.98	5.77	97.20	5.35	90.41	4.94	85.89	4.68
	67.00	61.0	117.54	6.02	110.76	5.62	103.98	5.24	97.20	4.86	90.41	4.50	85.89	4.26
	72.00	66.0	117.54	5.47	110.76	5.12	103.98	4.77	97.20	4.43	90.41	4.11	85.89	3.89
	75.00	69.0	117.54	5.14	110.76	4.81	103.98	4.49	97.20	4.18	90.41	3.87	85.89	3.67
80	-3.00	-4.0	53.79	9.57	53.68	9.67	53.56	9.77	53.49	9.92	53.38	9.98	53.30	10.48
	2.00	1.0	56.96	9.95	56.84	10.03	56.73	10.11	56.62	10.23	56.51	10.26	56.46	10.77
	7.00	6.0	60.76	9.53	60.66	9.53	60.53	9.53	60.40	9.54	60.04	9.54	59.48	9.54
	12.00	10.0	66.88	9.37	66.78	9.37	66.64	9.37	66.51	9.37	64.35	9.37	63.36	9.37
	17.00	15.0	74.32	9.16	74.20	9.16	74.10	9.16	71.75	9.16	67.76	9.16	66.41	9.16
	22.00	20.0	82.81	8.95	82.29	8.95	79.33	8.95	75.15	8.95	70.98	8.95	68.20	8.96
	27.00	24.0	93.25	8.78	88.68	8.78	84.21	8.78	79.77	8.79	78.02	8.79	74.96	8.69
	32.00	29.0	100.01	8.57	95.10	8.57	90.30	8.58	85.55	8.58	80.37	8.00	76.35	7.54
	37.00	34.0	101.00	8.36	96.05	8.36	91.20	8.27	86.40	7.63	80.37	7.02	76.35	6.62
	42.00	38.0	101.00	8.20	96.05	8.06	91.20	7.48	86.40	6.91	80.37	6.37	76.35	6.01
	47.00	43.0	101.00	7.67	96.05	7.16	91.20	6.65	86.40	6.16	80.37	5.68	76.35	5.37
	52.00	47.0	101.00	7.01	96.05	6.54	91.20	6.09	86.40	5.65	80.37	5.21	76.35	4.93
	57.00	52.0	101.00	6.30	96.05	5.89	91.20	5.48	86.40	5.09	80.37	4.71	76.35	4.46
	62.00	56.0	101.00	5.81	96.05	5.43	91.20	5.06	86.40	4.71	80.37	4.36	76.35	4.13
	67.00	61.0	101.00	5.27	96.05	4.93	91.20	4.60	86.40	4.28	80.37	3.97	76.35	3.77
	72.00	66.0	101.00	4.80	96.05	4.50	91.20	4.20	86.40	3.91	80.37	3.63	76.35	3.45
	75.00	69.0	101.00	4.51	96.05	4.23	91.20	3.96	86.40	3.69	80.37	3.43	76.35	3.26
70	-3.00	-4.0	52.72	9.94	52.61	9.94	52.52	9.95	52.42	9.95	51.85	9.95	50.75	9.95
	2.00	1.0	55.99	9.74	55.88	9.74	55.80	9.74	54.92	9.74	53.42	9.75	52.12	9.75
	7.00	6.0	62.07	9.53	61.95	9.54	61.33	9.54	59.19	9.54	56.47	9.54	54.79	9.54
	12.00	10.0	70.98	9.37	69.81	9.37	67.28	9.37	63.85	9.37	60.30	9.37	57.93	9.38
	17.00	15.0	80.36	9.16	76.53	9.16	72.70	9.16	68.88	9.16	65.05	9.17	62.50	9.17
	22.00	20.0	84.01	8.95	80.00	8.95	76.00	8.95	72.00	8.96	70.32	8.93	66.81	8.40
	27.00	24.0	88.20	8.78	84.00	8.79	79.80	8.79	75.60	8.59	70.32	7.89	66.81	7.43
	32.00	29.0	88.20	8.58	84.00	8.58	79.80	8.06	75.60	7.45	70.32	6.86	66.81	6.47
	37.00	34.0	88.20	8.16	84.00	7.61	79.80	7.07	75.60	6.54	70.32	6.03	66.81	5.70
	42.00	38.0	88.20	7.38	84.00	6.89	79.80	6.41	75.60	5.94	70.32	5.49	66.81	5.19
	47.00	43.0	88.20	6.57	84.00	6.14	79.80	5.72	75.60	5.31	70.32	4.91	66.81	4.65
	52.00	47.0	88.20	6.01	84.00	5.63	79.80	5.25	75.60	4.88	70.32	4.52	66.81	4.28
	57.00	52.0	88.20	5.42	84.00	5.08	79.80	4.74	75.60	4.41	70.32	4.09	66.81	3.88
	62.00	56.0	88.20	5.00	84.00	4.69	79.80	4.39	75.60	4.09	70.32	3.79	66.81	3.60
	67.00	61.0	88.20	4.55	84.00	4.27	79.80	4.00	75.60	3.73	70.32	3.47	66.81	3.29
	72.00	66.0	88.20	4.15	84.00	3.90	79.80	3.66	75.60	3.41	70.32	3.18	66.81	3.02
	75.00	69.0	88.20	3.92	84.00	3.68	79.80	3.45	75.60	3.23	70.32	3.00	66.81	2.86
60	-3.00	-4.0	50.55	9.95	49.48	9.95	48.43	9.95	47.37	9.95	46.24	9.96	44.76	9.96
	2.00	1.0	54.98	9.74	53.39	9.75	51.81	9.75	50.23	9.75	48.75	9.75	46.95	9.75
	7.00	6.0	60.89	9.54	58.71	9.54	56.53	9.54	54.35	9.54	52.46	9.54	50.28	9.54
	12.00	10.0	67.09	9.37	64.27	9.37	61.45	9.37	58.64	9.38	56.30	9.38	53.72	9.38
	17.00	15.0	73.59	9.16	70.09	9.16	66.58	9.17	63.08	9.17	60.28	8.80	57.26	8.29
	22.00	20.0	76.61	8.95	72.97	8.96	69.32	8.77	64.80	8.10	60.28	7.45	57.26	7.03
	27.00	24.0	76.61	8.79	72.97	8.35	69.32	7.76	64.80	7.18	60.28	6.61	57.26	6.24
	32.00	29.0	76.61	7.77	72.97	7.25	69.32	6.74	64.80	6.25	60.28	5.77	57.26	5.46
	37.00	34.0	76.61	6.82	72.97	6.37	69.32	5.94	64.80	5.51	60.28	5.10	57.26	4.83
	42.00	38.0	76.61	6.19	72.97	5.79	69.32	5.40	64.80	5.02	60.28	4.65	57.26	4.41
	47.00	43.0	78.36	5.52	73.84	5.18	69.32	4.84	64.80	4.50	60.28	4.18	57.26	3.97
	52.00	47.0	78.36	5.07	73.84	4.76	69.32	4.45	64.80	4.15	60.28	3.85	57.26	3.66
	57.00	52.0	78.36	4.58	73.84	4.30	69.32	4.03	64.80	3.76	60.28	3.50	57.26	3.33
	62.00	56.0	78.36	4.24	73.84	3.99	69.32	3.74	64.80	3.49	60.28	3.25	57.26	3.10
	67.00	61.0	78.36	3.87	73.84	3.64	69.32	3.42	64.80	3.20	60.28	2.98	57.26	2.84
	72.00	66.0	78.36	3.54	73.84	3.33	69.32	3.13	64.80	2.93	60.28	2.74	57.26	2.61
	75.00	69.0	78.36	3.34	73.84	3.15	69.32	2.96	64.80	2.78	60.28	2.60	57.26	2.48

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	46.98	9.95	46.44	9.95	45.09	9.96	44.18	9.96	42.78	9.96	41.04	9.96
	2.00	1.0	49.97	9.75	49.18	9.75	47.14	9.75	45.78	9.75	43.88	9.75	41.99	9.76
	7.00	6.0	54.21	9.54	53.14	9.54	50.34	9.54	48.47	9.55	45.99	9.55	43.90	9.55
	12.00	10.0	58.63	9.38	57.26	9.38	53.62	9.38	51.21	9.33	48.11	8.57	45.81	8.07
	17.00	15.0	63.22	9.17	61.53	9.02	57.00	8.37	54.00	7.74	50.23	7.13	47.72	6.73
	22.00	20.0	65.30	8.18	61.53	7.63	57.77	7.10	54.00	6.58	50.23	6.07	47.72	5.74
	27.00	24.0	65.30	7.24	61.53	6.77	57.77	6.30	54.00	5.85	50.23	5.41	47.72	5.13
	32.00	29.0	65.30	6.31	61.53	5.90	57.77	5.51	54.00	5.13	50.23	4.75	47.72	4.51
	37.00	34.0	65.30	5.56	61.53	5.21	57.77	4.88	54.00	4.54	50.23	4.22	47.72	4.01
	42.00	38.0	65.30	5.07	61.53	4.76	57.77	4.45	54.00	4.15	50.23	3.86	47.72	3.67
	47.00	43.0	65.30	4.54	61.53	4.27	57.77	4.00	54.00	3.74	50.23	3.48	47.72	3.32
	52.00	47.0	65.30	4.18	61.53	3.94	57.77	3.69	54.00	3.46	50.23	3.22	47.72	3.07
	57.00	52.0	65.30	3.79	61.53	3.57	57.77	3.36	54.00	3.15	50.23	2.94	47.72	2.80
	62.00	56.0	65.30	3.52	61.53	3.32	57.77	3.12	54.00	2.93	50.23	2.74	47.72	2.61
	67.00	61.0	65.30	3.22	61.53	3.04	57.77	2.86	54.00	2.69	50.23	2.52	47.72	2.40
	72.00	66.0	65.30	2.96	61.53	2.79	57.77	2.63	54.00	2.48	50.23	2.32	47.72	2.22
	75.00	69.0	65.30	2.80	61.53	2.65	57.77	2.50	54.00	2.35	50.23	2.20	47.72	2.11

Tc: Total Capacity

PI: Power Input

Table 68 —38VMA120HDS5-1, 38VMA120HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	64.87	7.70	64.58	7.92	64.48	8.10	64.34	8.29	64.09	8.45	64.09	8.56
	2.00	1.0	70.06	8.31	69.76	8.48	69.52	8.63	69.26	8.77	69.19	8.87	69.05	8.96
	7.00	6.0	76.21	8.91	75.90	9.04	75.63	9.14	75.54	9.24	75.30	9.30	75.13	9.35
	12.00	10.0	81.18	9.55	80.87	9.62	80.57	9.67	80.47	9.69	80.26	9.73	80.06	9.74
	17.00	15.0	85.65	10.15	85.34	10.16	85.24	10.16	84.82	10.16	84.69	10.16	84.41	10.17
	22.00	20.0	93.74	10.09	93.43	10.10	93.32	10.10	92.90	10.10	92.75	10.10	92.47	10.10
	27.00	24.0	99.64	10.03	99.56	10.04	99.33	10.04	99.12	10.04	98.76	10.04	98.69	10.04
	32.00	29.0	106.87	9.97	106.68	9.98	106.50	9.98	106.19	9.98	105.94	9.98	105.77	9.98
	37.00	34.0	114.87	9.91	114.71	9.92	114.51	9.92	114.23	9.92	113.94	9.92	113.80	9.92
	42.00	38.0	133.37	9.85	133.23	9.86	133.00	9.86	129.67	9.86	129.33	9.86	129.21	9.86
	47.00	43.0	147.06	9.80	143.72	9.80	140.39	9.80	137.06	9.80	133.72	9.80	131.50	9.80
	52.00	47.0	152.97	9.74	149.63	9.74	146.30	9.74	142.97	9.74	139.63	9.74	137.41	9.74
	57.00	52.0	160.35	9.66	157.02	9.66	153.69	9.66	150.35	9.66	147.02	9.66	144.75	9.66
	62.00	56.0	166.26	9.60	162.93	9.60	159.60	9.60	156.26	9.60	152.37	9.55	144.75	8.98
	67.00	61.0	173.65	9.52	170.32	9.53	166.98	9.53	163.65	9.53	152.37	8.76	144.75	8.25
	72.00	66.0	181.04	9.45	177.71	9.45	174.37	9.45	163.80	8.80	152.37	8.08	144.75	7.62
	75.00	69.0	185.47	9.40	182.14	9.40	178.80	9.40	163.89	8.36	152.37	7.68	144.75	7.25
120	-3.00	-4.0	64.48	8.06	64.48	8.20	64.22	8.35	64.09	8.53	63.87	8.67	63.71	8.77
	2.00	1.0	69.66	8.57	69.50	8.70	69.19	8.80	69.05	8.96	68.80	9.05	68.66	9.13
	7.00	6.0	75.80	9.11	75.61	9.18	75.27	9.26	75.13	9.38	74.99	9.43	74.72	9.48
	12.00	10.0	80.77	9.66	80.55	9.68	80.39	9.71	80.06	9.78	79.92	9.80	79.64	9.82
	17.00	15.0	85.24	10.16	84.93	10.16	84.82	10.16	84.41	10.16	84.41	10.17	84.41	10.17
	22.00	20.0	93.32	10.10	93.00	10.10	92.90	10.10	92.47	10.10	92.47	10.11	92.47	10.11
	27.00	24.0	99.22	10.04	99.14	10.04	98.90	10.04	98.69	10.04	98.59	10.05	98.38	10.05
	32.00	29.0	106.44	9.98	106.25	9.98	106.08	9.98	105.77	9.98	105.71	9.98	105.60	9.99
	37.00	34.0	114.44	9.92	114.28	9.92	114.08	9.92	114.01	9.92	117.01	9.92	116.86	9.92
	42.00	38.0	126.44	9.86	126.30	9.86	126.08	9.86	125.99	9.86	122.92	9.86	122.74	9.86
	47.00	43.0	142.61	9.80	139.53	9.80	136.46	9.80	133.38	9.80	130.30	9.80	128.25	9.80
	52.00	47.0	148.52	9.74	145.44	9.74	142.37	9.74	139.29	9.74	136.21	9.74	133.62	9.68
	57.00	52.0	155.91	9.66	152.83	9.66	149.76	9.66	146.68	9.66	140.65	9.34	133.62	8.79
	62.00	56.0	161.82	9.60	158.74	9.60	155.67	9.60	151.20	9.46	140.65	8.68	133.62	8.18
	67.00	61.0	169.21	9.53	166.13	9.53	161.75	9.40	151.20	8.68	140.65	7.98	133.62	7.53
	72.00	66.0	176.59	9.45	172.30	9.34	161.75	8.67	151.20	8.01	140.65	7.38	133.62	6.96
	75.00	69.0	181.03	9.40	176.00	9.23	161.75	8.23	151.20	7.61	140.65	7.01	133.62	6.63
110	-3.00	-4.0	64.09	8.31	64.09	8.48	63.83	8.60	63.71	8.74	63.58	8.86	63.32	8.92
	2.00	1.0	69.26	8.78	69.11	8.90	68.93	9.00	68.66	9.10	68.59	9.20	68.47	9.24
	7.00	6.0	75.39	9.24	75.19	9.33	75.03	9.39	74.72	9.46	74.67	9.52	74.57	9.54
	12.00	10.0	80.35	9.70	80.13	9.76	79.98	9.79	79.94	9.80	79.61	9.85	79.53	9.84
	17.00	15.0	84.82	10.16	84.82	10.16	84.55	10.16	84.41	10.17	84.00	10.17	84.00	10.17
	22.00	20.0	92.90	10.10	92.58	10.10	92.47	10.10	92.47	10.11	92.05	10.11	92.05	10.05
	27.00	24.0	99.12	10.04	98.88	10.04	98.73	10.04	98.38	10.05	98.17	10.05	97.96	9.94
	32.00	29.0	106.19	9.98	106.06	9.98	105.85	9.98	105.60	9.98	105.34	9.99	105.34	9.82
	37.00	34.0	114.23	9.92	114.07	9.92	113.87	9.92	113.59	9.92	113.16	9.93	112.73	9.71
	42.00	38.0	123.01	9.86	122.81	9.86	122.63	9.86	122.32	9.86	119.50	9.86	116.39	9.59
	47.00	43.0	138.17	9.80	135.35	9.80	132.53	9.80	129.70	9.80	126.88	9.80	122.48	9.48
	52.00	47.0	144.08	9.74	141.26	9.74	138.44	9.74	135.62	9.74	128.93	9.27	122.48	8.73
	57.00	52.0	151.46	9.66	148.64	9.66	145.82	9.67	138.60	9.17	128.93	8.43	122.48	7.95
	62.00	56.0	157.37	9.60	154.55	9.60	148.27	9.24	138.60	8.54	128.93	7.85	122.48	7.41
	67.00	61.0	164.76	9.53	157.94	9.14	148.27	8.48	138.60	7.85	128.93	7.23	122.48	6.83
	72.00	66.0	167.61	9.04	157.94	8.43	148.27	7.83	138.60	7.26	128.93	6.69	122.48	6.33
	75.00	69.0	169.32	8.74	157.94	8.00	148.27	7.44	138.60	6.90	128.93	6.37	122.48	6.02
100	-3.00	-4.0	63.96	8.61	63.77	8.71	63.71	8.81	63.32	8.94	63.32	9.03	63.32	9.49
	2.00	1.0	68.87	9.01	68.71	9.08	68.66	9.14	68.47	9.26	68.26	9.32	68.26	9.79
	7.00	6.0	75.13	9.40	74.82	9.44	74.72	9.48	74.57	9.58	74.31	9.61	74.31	10.09
	12.00	10.0	80.06	9.79	79.97	9.80	79.74	9.82	79.53	9.88	79.43	9.89	79.23	10.39
	17.00	15.0	84.41	10.16	84.41	10.17	84.14	10.17	84.00	10.17	83.86	10.17	83.59	10.17
	22.00	20.0	92.47	10.10	92.47	10.11	92.19	10.11	92.05	10.11	91.91	9.98	91.62	9.89
	27.00	24.0	98.69	10.04	98.46	10.04	98.31	10.05	97.96	10.05	97.92	9.78	97.85	9.61
	32.00	29.0	105.77	9.98	105.64	9.98	105.43	9.99	105.34	9.99	104.41	9.58	102.89	9.32
	37.00	34.0	113.80	9.92	113.64	9.92	113.44	9.92	112.73	9.92	108.46	9.39	104.62	9.04
	42.00	38.0	124.88	9.86	124.68	9.86	122.74	9.86	118.64	9.86	112.05	9.19	107.66	8.76
	47.00	43.0	137.17	9.80	134.12	9.80	128.59	9.80	126.00	9.80	117.21	9.00	111.35	8.47
	52.00	47.0	143.92	9.74	137.07	9.74	134.50	9.74	126.00	9.03	117.21	8.30	111.35	7.82
	57.00	52.0	147.02	9.66	143.58	9.57	134.79	8.88	126.00	8.21	117.21	7.56	111.35	7.13
	62.00	56.0	152.37	9.55	143.58	8.90	134.79	8.26	126.00	7.65	117.21	7.05	111.35	6.66
	67.00	61.0	152.37	8.76	143.58	8.17	134.79	7.60	126.00	7.04	117.21	6.50	111.35	6.15
	72.00	66.0	152.37	8.08	143.58	7.55	134.79	7.03	126.00	6.52	117.21	6.03	111.35	5.71
	75.00	69.0	152.37	7.68	143.58	7.18	134.79	6.69	126.00	6.21	117.21	5.75	111.35	5.44

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	63.07	9.47	62.78	9.59	62.68	9.69	62.68	9.84	62.30	9.94	62.30	10.43
	2.00	1.0	66.80	9.91	66.66	9.99	66.48	10.05	66.41	10.18	66.16	10.25	66.03	10.76
	7.00	6.0	71.98	10.29	71.87	10.29	71.67	10.30	71.58	10.30	71.35	10.30	71.19	10.30
	12.00	10.0	76.74	10.24	76.66	10.24	76.44	10.24	76.35	10.24	76.14	10.25	75.95	10.25
	17.00	15.0	81.88	10.17	81.88	10.17	81.88	10.17	81.48	10.17	81.48	10.17	81.48	10.18
	22.00	20.0	86.00	10.11	86.00	10.11	85.74	10.04	85.60	9.92	86.06	9.81	84.52	9.73
	27.00	24.0	90.51	10.05	90.29	10.05	90.22	9.90	90.12	9.67	91.97	9.44	90.43	9.29
	32.00	29.0	104.44	9.98	104.31	9.99	103.71	9.77	101.67	9.41	99.36	9.07	97.82	8.84
	37.00	34.0	119.15	9.92	117.64	9.93	114.44	9.64	109.06	9.16	105.49	8.70	100.21	8.40
	42.00	38.0	130.20	9.86	125.30	9.86	119.62	9.50	113.40	8.91	105.49	8.33	100.21	7.96
	47.00	43.0	133.33	9.80	126.97	9.80	121.31	9.37	113.40	8.65	105.49	7.96	100.21	7.51
	52.00	47.0	135.19	9.74	129.22	9.30	121.31	8.63	113.40	7.99	105.49	7.36	100.21	6.95
	57.00	52.0	137.13	9.06	129.22	8.45	121.31	7.86	113.40	7.28	105.49	6.72	100.21	6.35
	62.00	56.0	137.13	8.43	129.22	7.87	121.31	7.33	113.40	6.80	105.49	6.28	100.21	5.94
	67.00	61.0	137.13	7.75	129.22	7.25	121.31	6.75	113.40	6.27	105.49	5.80	100.21	5.49
	72.00	66.0	137.13	7.17	129.22	6.71	121.31	6.26	113.40	5.82	105.49	5.39	100.21	5.11
	75.00	69.0	137.13	6.82	129.22	6.39	121.31	5.96	113.40	5.55	105.49	5.14	100.21	4.88
80	-3.00	-4.0	62.44	10.42	62.15	10.54	62.06	10.65	62.06	10.82	61.93	10.93	61.67	10.44
	2.00	1.0	64.80	10.90	64.66	10.99	64.49	11.06	64.42	11.20	64.36	11.28	64.24	10.38
	7.00	6.0	69.10	10.30	68.99	10.30	68.80	10.30	68.72	10.30	68.67	10.31	68.58	10.31
	12.00	10.0	75.21	10.24	75.13	10.24	75.10	10.25	74.82	10.25	74.78	10.25	74.71	10.25
	17.00	15.0	81.06	10.17	80.76	10.17	80.67	10.17	80.67	10.18	79.47	10.18	79.44	10.18
	22.00	20.0	85.09	10.05	85.09	9.94	85.09	9.84	84.70	9.74	80.36	9.64	77.21	9.58
	27.00	24.0	97.53	9.92	96.98	9.71	94.91	9.50	90.61	9.30	88.55	9.11	85.08	8.98
	32.00	29.0	111.88	9.80	108.27	9.48	103.44	9.17	97.99	8.87	93.77	8.58	89.08	8.38
	37.00	34.0	117.60	9.67	112.00	9.25	106.40	8.84	100.80	8.43	93.77	8.04	89.08	7.79
	42.00	38.0	117.60	9.55	112.00	9.02	106.40	8.50	100.80	8.00	93.77	7.51	89.08	7.19
	47.00	43.0	117.60	9.42	112.00	8.79	106.40	8.17	100.80	7.56	93.77	6.97	89.08	6.59
	52.00	47.0	117.60	8.68	112.00	8.11	106.40	7.54	100.80	6.99	93.77	6.46	89.08	6.11
	57.00	52.0	117.60	7.90	112.00	7.39	106.40	6.88	100.80	6.39	93.77	5.91	89.08	5.60
	62.00	56.0	117.60	7.37	112.00	6.89	106.40	6.43	100.80	5.98	93.77	5.54	89.08	5.25
	67.00	61.0	117.60	6.79	112.00	6.36	106.40	5.94	100.80	5.53	93.77	5.13	89.08	4.86
	72.00	66.0	117.60	6.29	112.00	5.90	106.40	5.52	100.80	5.14	93.77	4.77	89.08	4.53
	75.00	69.0	117.60	5.99	112.00	5.62	106.40	5.26	100.80	4.91	93.77	4.56	89.08	4.33
70	-3.00	-4.0	61.82	10.43	61.82	10.43	61.56	10.44	61.44	10.44	61.44	10.44	61.44	10.44
	2.00	1.0	64.15	10.37	64.15	10.37	64.03	10.37	63.78	10.38	63.52	10.38	63.62	10.38
	7.00	6.0	68.41	10.30	68.41	10.30	68.32	10.31	68.03	10.31	66.96	10.31	66.68	10.31
	12.00	10.0	75.31	10.25	75.31	10.25	75.24	10.25	74.07	10.25	70.55	10.25	69.96	10.25
	17.00	15.0	84.04	10.17	83.73	10.18	81.97	10.18	78.25	10.18	73.97	10.18	73.34	10.18
	22.00	20.0	92.59	9.82	89.38	9.74	85.45	9.65	81.02	9.57	79.23	9.49	77.94	9.44
	27.00	24.0	101.19	9.47	96.36	9.30	91.68	9.13	86.93	8.96	82.05	8.80	77.94	8.69
	32.00	29.0	102.67	9.12	97.77	8.86	93.02	8.60	88.20	8.35	82.05	8.11	77.94	7.95
	37.00	34.0	102.67	8.77	97.77	8.42	93.02	8.07	88.20	7.74	82.05	7.41	77.94	7.20
	42.00	38.0	102.67	8.42	97.77	7.98	93.02	7.55	88.20	7.13	82.05	6.72	77.94	6.46
	47.00	43.0	102.67	8.06	97.77	7.54	93.02	7.02	88.20	6.52	82.05	6.03	77.94	5.71
	52.00	47.0	102.67	7.45	97.77	6.97	93.02	6.50	88.20	6.05	82.05	5.60	77.94	5.31
	57.00	52.0	102.67	6.80	97.77	6.37	93.02	5.95	88.20	5.54	82.05	5.14	77.94	4.88
	62.00	56.0	102.67	6.35	97.77	5.96	93.02	5.57	88.20	5.19	82.05	4.82	77.94	4.58
	67.00	61.0	102.67	5.87	97.77	5.51	93.02	5.16	88.20	4.82	82.05	4.48	77.94	4.26
	72.00	66.0	102.67	5.45	97.77	5.13	93.02	4.80	88.20	4.49	82.05	4.18	77.94	3.98
	75.00	69.0	102.67	5.20	97.77	4.89	93.02	4.59	88.20	4.29	82.05	4.00	77.94	3.81
60	-3.00	-4.0	58.87	10.44	57.71	10.44	56.41	10.44	55.18	10.45	53.93	10.45	53.47	10.45
	2.00	1.0	63.86	10.38	62.08	10.38	60.19	10.38	58.36	10.38	56.44	10.38	55.73	10.39
	7.00	6.0	70.54	10.31	68.06	10.31	65.50	10.31	62.99	10.31	60.32	10.31	59.33	10.32
	12.00	10.0	77.55	10.25	74.32	10.25	71.05	10.25	67.79	10.26	64.31	10.26	63.02	10.26
	17.00	15.0	84.90	10.18	80.85	10.18	76.81	10.18	72.77	10.18	68.42	10.18	66.81	10.04
	22.00	20.0	87.19	9.61	83.04	9.54	78.88	9.47	75.60	9.41	70.33	9.34	66.81	9.18
	27.00	24.0	89.39	9.05	85.13	8.90	80.87	8.77	75.60	8.63	70.33	8.50	66.81	8.31
	32.00	29.0	89.39	8.48	85.13	8.27	80.87	8.06	75.60	7.86	70.33	7.66	66.81	7.45
	37.00	34.0	89.39	7.91	85.13	7.63	80.87	7.35	75.60	7.08	70.33	6.82	66.81	6.59
	42.00	38.0	89.39	7.35	85.13	6.99	80.87	6.65	75.60	6.31	70.33	5.97	66.81	5.73
	47.00	43.0	91.42	6.78	86.15	6.36	80.87	5.94	75.60	5.53	70.33	5.13	66.81	4.87
	52.00	47.0	91.42	6.28	86.15	5.90	80.87	5.51	75.60	5.14	70.33	4.78	66.81	4.54
	57.00	52.0	91.42	5.75	86.15	5.41	80.87	5.06	75.60	4.73	70.33	4.40	66.81	4.19
	62.00	56.0	91.42	5.39	86.15	5.07	80.87	4.75	75.60	4.44	70.33	4.14	66.81	3.94
	67.00	61.0	91.42	4.99	86.15	4.70	80.87	4.41	75.60	4.13	70.33	3.85	66.81	3.67
	72.00	66.0	91.42	4.65	86.15	4.38	80.87	4.12	75.60	3.86	70.33	3.61	66.81	3.44
	75.00	69.0	91.42	4.45	86.15	4.19	80.87	3.95	75.60	3.70	70.33	3.46	66.81	3.30

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	55.68	10.45	54.42	10.45	53.02	10.45	51.69	10.45	50.40	10.46	47.88	10.46
	2.00	1.0	59.49	10.38	57.56	10.38	55.52	10.39	53.53	10.39	51.57	10.39	48.99	10.39
	7.00	6.0	64.83	10.31	62.13	10.31	59.36	10.32	56.63	10.32	53.92	10.32	51.22	10.32
	12.00	10.0	70.39	10.25	66.88	10.26	63.32	10.26	59.79	10.26	56.26	10.26	53.45	9.93
	17.00	15.0	76.19	10.18	71.79	10.18	67.40	10.14	63.00	9.36	58.60	8.61	55.67	8.12
	22.00	20.0	76.19	9.41	71.79	9.36	67.40	9.27	63.00	8.57	58.60	7.89	55.67	7.44
	27.00	24.0	76.19	8.65	71.79	8.54	67.40	8.40	63.00	7.77	58.60	7.16	55.67	6.77
	32.00	29.0	76.19	7.88	71.79	7.71	67.40	7.53	63.00	6.98	58.60	6.44	55.67	6.09
	37.00	34.0	76.19	7.11	71.79	6.89	67.40	6.66	63.00	6.18	58.60	5.72	55.67	5.42
	42.00	38.0	76.19	6.34	71.79	6.06	67.40	5.78	63.00	5.39	58.60	5.00	55.67	4.74
	47.00	43.0	76.19	5.58	71.79	5.24	67.40	4.91	63.00	4.59	58.60	4.28	55.67	4.07
	52.00	47.0	76.19	5.18	71.79	4.88	67.40	4.58	63.00	4.28	58.60	4.00	55.67	3.81
	57.00	52.0	76.19	4.77	71.79	4.49	67.40	4.22	63.00	3.96	58.60	3.69	55.67	3.52
	62.00	56.0	76.19	4.48	71.79	4.22	67.40	3.97	63.00	3.73	58.60	3.49	55.67	3.33
	67.00	61.0	76.19	4.16	71.79	3.93	67.40	3.70	63.00	3.48	58.60	3.26	55.67	3.11
	72.00	66.0	76.19	3.89	71.79	3.68	67.40	3.47	63.00	3.26	58.60	3.06	55.67	2.93
	75.00	69.0	76.19	3.73	71.79	3.53	67.40	3.33	63.00	3.13	58.60	2.94	55.67	2.81

Tc: Total Capacity

PI: Power Input

Table 69 —38VMA144HDS5-1, 38VMA144HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	76.21	8.91	75.94	9.30	75.69	9.65	75.37	9.96	75.13	10.26	74.97	10.47
	2.00	1.0	82.13	9.91	81.98	10.20	81.56	10.46	81.26	10.69	81.00	10.93	80.63	11.09
	7.00	6.0	92.29	10.90	92.29	11.09	91.92	11.26	91.41	11.42	91.23	11.58	90.86	11.70
	12.00	10.0	104.17	11.89	104.17	11.99	103.72	12.08	103.22	12.16	103.00	12.25	102.55	12.32
	17.00	15.0	117.20	12.86	117.20	12.86	116.53	12.87	116.20	12.87	116.20	12.87	116.20	12.87
	22.00	20.0	125.93	12.68	125.93	12.68	125.93	12.68	124.91	12.68	124.91	12.69	124.91	12.69
	27.00	24.0	132.92	12.53	132.92	12.53	132.75	12.53	131.92	12.53	131.84	12.54	131.67	12.54
	32.00	29.0	141.70	12.34	141.70	12.34	141.03	12.34	140.70	12.35	140.50	12.35	140.10	12.35
	37.00	34.0	150.98	12.15	150.61	12.15	150.15	12.16	149.98	12.16	149.82	12.16	149.49	12.16
	42.00	38.0	175.10	12.00	174.78	12.00	174.24	12.01	169.89	12.01	169.54	12.01	168.83	12.01
	47.00	43.0	191.71	11.81	187.37	11.82	183.02	11.82	178.67	11.82	174.33	11.82	171.43	11.82
	52.00	47.0	198.74	11.66	194.39	11.66	190.05	11.67	185.70	11.67	181.35	11.67	178.46	11.67
	57.00	52.0	207.52	11.47	203.18	11.47	198.83	11.48	194.48	11.48	190.14	11.48	187.24	11.48
	62.00	56.0	214.55	11.32	210.20	11.32	205.86	11.32	201.51	11.33	197.17	11.33	188.71	10.79
	67.00	61.0	223.33	11.13	218.99	11.13	214.64	11.13	210.29	11.14	198.64	10.49	188.71	9.87
	72.00	66.0	232.12	10.94	227.77	10.94	223.42	10.94	213.54	10.49	198.64	9.63	188.71	9.08
	75.00	69.0	237.39	10.83	233.04	10.83	228.69	10.83	215.49	10.10	198.64	9.12	188.71	8.60
120	-3.00	-4.0	75.77	9.52	75.53	9.82	75.29	10.10	75.05	10.36	74.81	10.58	74.64	10.74
	2.00	1.0	81.46	10.37	81.34	10.59	81.22	10.80	81.10	11.00	80.55	11.16	80.47	11.28
	7.00	6.0	91.74	11.21	91.49	11.35	91.41	11.49	91.41	11.64	90.75	11.73	90.53	11.80
	12.00	10.0	103.49	12.05	103.29	12.12	103.22	12.20	103.22	12.27	102.46	12.32	102.28	12.38
	17.00	15.0	117.20	12.86	116.45	12.87	116.20	12.87	116.20	12.87	115.20	12.88	115.20	12.88
	22.00	20.0	125.93	12.68	125.16	12.68	124.91	12.68	124.91	12.69	124.57	12.69	123.90	12.69
	27.00	24.0	132.67	12.53	132.11	12.53	131.92	12.53	131.92	12.54	131.42	12.54	130.92	12.54
	32.00	29.0	141.10	12.34	140.80	12.35	140.70	12.35	140.70	12.35	139.71	12.35	139.71	12.35
	37.00	34.0	150.48	12.16	150.11	12.16	149.98	12.16	149.49	12.16	154.06	12.16	154.06	12.16
	42.00	38.0	165.51	12.00	165.51	12.01	165.51	12.01	165.10	12.01	161.09	12.01	161.09	12.01
	47.00	43.0	185.92	11.82	181.91	11.82	177.89	11.82	173.88	11.82	169.87	11.82	167.20	11.82
	52.00	47.0	192.94	11.66	188.93	11.67	184.92	11.67	180.91	11.67	176.90	11.67	174.20	11.67
	57.00	52.0	201.73	11.48	197.72	11.48	193.70	11.48	189.69	11.48	183.36	11.24	174.20	10.58
	62.00	56.0	208.75	11.32	204.74	11.32	200.73	11.33	196.72	11.33	183.36	10.43	174.20	9.83
	67.00	61.0	217.54	11.13	213.53	11.13	209.51	11.14	197.12	10.39	183.36	9.55	174.20	9.00
	72.00	66.0	226.32	10.94	222.31	10.94	210.87	10.33	197.12	9.55	183.36	8.79	174.20	8.29
	75.00	69.0	231.59	10.83	227.58	10.83	211.68	9.85	197.12	9.04	183.36	8.33	174.20	7.86
110	-3.00	-4.0	75.37	10.03	75.13	10.27	74.89	10.48	74.64	10.73	74.40	10.87	74.24	10.98
	2.00	1.0	81.26	10.75	81.14	10.93	80.74	11.08	80.47	11.29	80.36	11.37	80.28	11.43
	7.00	6.0	91.41	11.46	91.41	11.58	91.04	11.67	90.53	11.83	90.53	11.84	90.53	11.87
	12.00	10.0	103.22	12.18	103.22	12.24	102.77	12.26	102.28	12.39	102.28	12.40	102.28	12.41
	17.00	15.0	116.20	12.87	116.20	12.87	115.53	12.87	115.20	12.88	115.20	12.88	115.20	12.88
	22.00	20.0	124.91	12.68	124.91	12.69	124.91	12.69	123.90	12.69	123.90	12.69	123.90	12.69
	27.00	24.0	131.92	12.53	131.92	12.54	131.76	12.54	130.92	12.54	130.92	12.54	130.92	12.54
	32.00	29.0	140.70	12.35	140.70	12.35	140.04	12.35	139.71	12.35	139.71	12.35	139.71	12.36
	37.00	34.0	149.98	12.16	149.61	12.16	149.15	12.16	148.99	12.16	148.82	12.16	148.49	12.17
	42.00	38.0	161.31	12.01	161.01	12.01	160.51	12.01	160.31	12.01	156.63	12.01	155.97	12.01
	47.00	43.0	180.12	11.82	176.45	11.82	172.77	11.82	169.09	11.82	165.41	11.82	159.68	11.43
	52.00	47.0	187.15	11.67	183.47	11.67	179.79	11.67	176.12	11.67	168.08	11.18	159.68	10.53
	57.00	52.0	195.93	11.48	192.26	11.48	188.58	11.48	180.69	11.05	168.08	10.15	159.68	9.56
	62.00	56.0	202.96	11.33	199.28	11.33	193.30	11.10	180.69	10.25	168.08	9.43	159.68	8.89
	67.00	61.0	211.74	11.14	205.90	10.94	193.30	10.16	180.69	9.39	168.08	8.65	159.68	8.16
	72.00	66.0	218.51	10.78	205.90	10.05	193.30	9.33	180.69	8.64	168.08	7.96	159.68	7.53
	75.00	69.0	222.57	10.56	205.90	9.51	193.30	8.84	180.69	8.19	168.08	7.56	159.68	7.14
100	-3.00	-4.0	74.89	10.49	74.71	10.65	74.48	10.85	74.24	10.96	74.08	11.16	73.92	11.72
	2.00	1.0	80.59	11.10	80.50	11.22	80.39	11.39	80.28	11.42	79.77	11.60	79.69	12.18
	7.00	6.0	90.86	11.71	90.61	11.77	90.53	11.90	90.53	11.87	89.86	12.05	89.64	12.65
	12.00	10.0	102.55	12.31	102.35	12.30	102.28	12.38	102.28	12.33	101.52	12.49	101.34	13.12
	17.00	15.0	116.20	12.87	115.45	12.88	115.20	12.88	108.80	12.60	114.86	12.88	114.20	12.88
	22.00	20.0	124.91	12.69	124.15	12.69	123.90	12.69	123.90	12.60	123.90	12.70	123.90	12.70
	27.00	24.0	131.67	12.54	131.11	12.54	130.92	12.54	130.92	12.61	130.67	12.54	130.67	12.55
	32.00	29.0	140.10	12.35	139.81	12.35	139.71	12.35	139.71	12.61	138.97	12.36	138.71	12.36
	37.00	34.0	149.49	12.16	149.11	12.16	148.99	12.16	148.49	12.61	147.33	12.17	145.00	12.17
	42.00	38.0	156.50	12.01	156.50	12.01	156.50	12.01	155.52	12.61	149.43	12.02	144.32	11.38
	47.00	43.0	169.96	11.82	169.22	11.82	167.64	11.82	160.00	12.61	152.80	10.85	145.16	10.22
	52.00	47.0	182.99	11.67	178.01	11.67	174.67	11.67	160.00	10.88	152.80	10.00	145.16	9.43
	57.00	52.0	190.14	11.48	186.80	11.48	175.72	10.69	160.00	9.88	152.80	9.09	145.16	8.58
	62.00	56.0	197.17	11.33	187.18	10.69	175.72	9.93	160.00	9.18	152.80	8.46	145.16	7.99
	67.00	61.0	198.64	10.49	187.18	9.78	175.72	9.09	160.00	8.42	152.80	7.77	145.16	7.35
	72.00	66.0	198.64	9.63	187.18	8.99	175.72	8.37	160.00	7.76	152.80	7.17	145.16	6.79
	75.00	69.0	198.64	9.12	187.18	8.52	175.72	7.94	160.00	7.37	152.80	6.81	145.16	6.45

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	74.06	11.54	73.88	11.72	73.66	11.94	73.50	12.06	73.28	12.28	73.18	12.89
	2.00	1.0	80.18	12.21	79.77	12.34	79.55	12.52	79.47	12.56	79.33	12.76	79.19	13.40
	7.00	6.0	90.50	13.21	90.09	13.21	89.95	13.21	89.62	13.22	89.57	13.22	89.46	13.22
	12.00	10.0	101.17	13.06	101.17	13.06	100.72	13.07	100.24	13.07	100.24	13.07	100.24	13.07
	17.00	15.0	111.56	12.88	111.56	12.88	110.91	12.88	110.59	12.88	110.59	12.89	110.59	12.89
	22.00	20.0	115.22	12.69	115.22	12.69	115.22	12.69	115.22	12.70	116.10	12.70	114.09	12.70
	27.00	24.0	120.68	12.54	120.68	12.54	120.53	12.54	120.45	12.55	123.12	12.55	121.12	12.55
	32.00	29.0	135.88	12.35	135.88	12.35	135.24	12.36	134.91	12.36	131.91	12.36	129.90	12.36
	37.00	34.0	148.16	12.16	147.79	12.16	146.67	12.17	143.70	12.17	137.52	11.71	130.65	11.03
	42.00	38.0	161.41	12.01	159.28	12.01	154.79	12.01	147.84	11.63	137.52	10.68	130.65	10.07
	47.00	43.0	173.97	11.82	165.52	11.82	158.15	11.30	147.84	10.44	137.52	9.60	130.65	9.06
	52.00	47.0	175.56	11.67	168.47	11.21	158.15	10.41	147.84	9.63	137.52	8.87	130.65	8.38
	57.00	52.0	178.78	10.91	168.47	10.17	158.15	9.46	147.84	8.76	137.52	8.08	130.65	7.64
	62.00	56.0	178.78	10.13	168.47	9.45	158.15	8.80	147.84	8.16	137.52	7.53	130.65	7.13
	67.00	61.0	178.78	9.28	168.47	8.67	158.15	8.07	147.84	7.50	137.52	6.93	130.65	6.56
	72.00	66.0	178.78	8.54	168.47	7.98	158.15	7.45	147.84	6.92	137.52	6.41	130.65	6.07
	75.00	69.0	178.78	8.09	168.47	7.58	158.15	7.07	147.84	6.57	137.52	6.09	130.65	5.78
80	-3.00	-4.0	73.24	12.69	73.12	12.89	72.98	13.13	72.76	13.27	72.63	13.51	72.52	14.18
	2.00	1.0	79.08	13.43	79.03	13.57	78.90	13.78	78.68	13.82	78.54	14.04	78.43	14.74
	7.00	6.0	88.37	13.21	88.13	13.22	87.97	13.22	87.83	13.22	87.74	13.22	87.67	13.23
	12.00	10.0	97.49	13.07	97.29	13.07	97.23	13.07	97.23	13.07	97.01	13.08	98.51	13.08
	17.00	15.0	106.17	12.88	106.17	12.88	106.17	12.89	106.17	12.89	105.86	12.89	107.34	12.89
	22.00	20.0	113.85	12.69	113.15	12.70	112.92	12.70	112.92	12.70	111.99	12.70	110.12	12.70
	27.00	24.0	123.46	12.54	122.93	12.55	122.44	12.55	121.34	12.55	118.66	12.55	114.15	12.42
	32.00	29.0	139.33	12.36	138.73	12.36	135.59	12.36	130.12	12.36	122.24	11.53	116.13	10.86
	37.00	34.0	149.10	12.17	144.93	12.17	138.15	12.02	131.41	11.10	122.24	10.21	116.13	9.63
	42.00	38.0	152.64	12.01	145.82	11.81	138.15	10.96	131.41	10.14	122.24	9.33	116.13	8.81
	47.00	43.0	152.64	11.36	145.82	10.60	138.15	9.85	131.41	9.12	122.24	8.41	116.13	7.95
	52.00	47.0	152.64	10.47	145.82	9.77	138.15	9.09	131.41	8.43	122.24	7.78	116.13	7.36
	57.00	52.0	152.64	9.51	145.82	8.89	138.15	8.28	131.41	7.69	122.24	7.11	116.13	6.73
	62.00	56.0	152.64	8.84	145.82	8.27	138.15	7.72	131.41	7.17	122.24	6.64	116.13	6.29
	67.00	61.0	152.64	8.12	145.82	7.60	138.15	7.10	131.41	6.60	122.24	6.12	116.13	5.81
	72.00	66.0	152.64	7.49	145.82	7.02	138.15	6.56	131.41	6.11	122.24	5.67	116.13	5.38
	75.00	69.0	152.64	7.11	145.82	6.67	138.15	6.23	131.41	5.81	122.24	5.40	116.13	5.13
70	-3.00	-4.0	72.48	13.96	72.33	14.18	72.20	14.45	72.04	14.59	71.88	14.86	71.77	13.60
	2.00	1.0	78.30	14.78	78.18	14.93	78.03	15.15	77.89	15.20	78.49	15.44	79.17	13.42
	7.00	6.0	84.89	13.22	84.81	13.22	84.72	13.22	84.32	13.23	85.07	13.23	85.00	13.23
	12.00	10.0	94.22	13.07	94.22	13.07	93.80	13.08	93.34	13.08	92.30	13.08	90.21	13.08
	17.00	15.0	104.96	12.89	104.96	12.89	104.35	12.89	104.04	12.89	98.52	12.89	94.84	12.89
	22.00	20.0	118.49	12.70	118.49	12.70	116.54	12.70	110.66	12.70	106.96	12.66	101.61	11.91
	27.00	24.0	131.27	12.55	127.45	12.55	122.11	12.55	114.98	12.27	106.96	11.27	101.61	10.62
	32.00	29.0	134.32	12.36	128.21	12.36	122.11	11.62	114.98	10.74	106.96	9.88	101.61	9.32
	37.00	34.0	134.32	11.87	128.21	11.06	122.11	10.28	114.98	9.52	106.96	8.78	101.61	8.29
	42.00	38.0	134.32	10.82	128.21	10.10	122.11	9.40	114.98	8.71	106.96	8.05	101.61	7.61
	47.00	43.0	134.32	9.73	128.21	9.09	122.11	8.47	114.98	7.86	106.96	7.27	101.61	6.89
	52.00	47.0	134.32	8.98	128.21	8.40	122.11	7.84	114.98	7.29	106.96	6.75	101.61	6.39
	57.00	52.0	134.32	8.18	128.21	7.66	122.11	7.16	114.98	6.66	106.96	6.18	101.61	5.86
	62.00	56.0	134.32	7.62	128.21	7.15	122.11	6.68	114.98	6.23	106.96	5.78	101.61	5.49
	67.00	61.0	134.32	7.01	128.21	6.58	122.11	6.16	114.98	5.75	106.96	5.34	101.61	5.08
	72.00	66.0	134.32	6.48	128.21	6.09	122.11	5.70	114.98	5.33	106.96	4.96	101.61	4.72
	75.00	69.0	134.32	6.16	128.21	5.79	122.11	5.43	114.98	5.08	106.96	4.73	101.61	4.50
60	-3.00	-4.0	72.47	13.59	70.89	13.59	69.38	13.60	67.74	13.60	66.43	13.60	65.06	13.60
	2.00	1.0	80.15	13.41	77.80	13.41	75.54	13.41	73.10	13.42	71.15	13.42	69.09	13.42
	7.00	6.0	90.07	13.23	86.84	13.23	83.73	13.23	80.37	13.23	77.71	13.23	74.86	13.23
	12.00	10.0	100.53	13.08	96.36	13.08	92.33	13.08	87.99	13.08	84.55	13.08	80.87	13.09
	17.00	15.0	111.54	12.89	106.36	12.89	101.34	12.89	95.95	12.89	91.68	12.38	87.10	11.66
	22.00	20.0	116.05	12.70	110.66	12.70	105.43	12.44	98.56	11.49	91.68	10.57	87.10	9.97
	27.00	24.0	116.05	12.55	110.66	11.93	105.43	11.08	98.56	10.25	91.68	9.44	87.10	8.92
	32.00	29.0	116.05	11.19	110.66	10.45	105.43	9.72	98.56	9.01	91.68	8.32	87.10	7.87
	37.00	34.0	116.05	9.92	110.66	9.27	105.43	8.64	98.56	8.02	91.68	7.42	87.10	7.03
	42.00	38.0	116.05	9.07	110.66	8.49	105.43	7.92	98.56	7.36	91.68	6.82	87.10	6.47
	47.00	43.0	119.19	8.18	112.31	7.67	105.43	7.16	98.56	6.67	91.68	6.19	87.10	5.87
	52.00	47.0	119.19	7.57	112.31	7.10	105.43	6.65	98.56	6.20	91.68	5.76	87.10	5.47
	57.00	52.0	119.19	6.92	112.31	6.50	105.43	6.09	98.56	5.68	91.68	5.29	87.10	5.03
	62.00	56.0	119.19	6.46	112.31	6.08	105.43	5.70	98.56	5.32	91.68	4.96	87.10	4.72
	67.00	61.0	119.19	5.96	112.31	5.61	105.43	5.27	98.56	4.93	91.68	4.59	87.10	4.38
	72.00	66.0	119.19	5.52	112.31	5.20	105.43	4.89	98.56	4.58	91.68	4.28	87.10	4.08
	75.00	69.0	119.19	5.26	112.31	4.96	105.43	4.66	98.56	4.37	91.68	4.08	87.10	3.90

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	68.15	13.60	66.42	13.60	64.71	13.60	62.98	13.61	61.25	13.61	60.10	13.61
	2.00	1.0	74.15	13.42	71.57	13.42	68.99	13.42	66.40	13.42	63.81	13.42	62.09	13.43
	7.00	6.0	82.14	13.23	78.58	13.23	75.03	13.23	71.47	13.24	67.91	13.24	65.53	13.24
	12.00	10.0	90.53	13.08	85.92	13.08	81.32	13.08	76.71	13.02	72.10	11.95	69.03	11.26
	17.00	15.0	99.32	12.89	93.59	12.69	87.86	11.78	82.13	10.89	76.40	10.02	72.58	9.46
	22.00	20.0	99.32	11.60	93.59	10.82	87.86	10.07	82.13	9.33	76.40	8.61	72.58	8.15
	27.00	24.0	99.32	10.34	93.59	9.67	87.86	9.01	82.13	8.36	76.40	7.73	72.58	7.32
	32.00	29.0	99.32	9.09	93.59	8.51	87.86	7.94	82.13	7.39	76.40	6.85	72.58	6.49
	37.00	34.0	99.32	8.09	93.59	7.59	87.86	7.09	82.13	6.61	76.40	6.14	72.58	5.83
	42.00	38.0	99.32	7.43	93.59	6.97	87.86	6.53	82.13	6.09	76.40	5.66	72.58	5.38
	47.00	43.0	99.32	6.72	93.59	6.32	87.86	5.93	82.13	5.54	76.40	5.16	72.58	4.91
	52.00	47.0	99.32	6.24	93.59	5.88	87.86	5.52	82.13	5.16	76.40	4.81	72.58	4.58
	57.00	52.0	99.32	5.73	93.59	5.40	87.86	5.07	82.13	4.75	76.40	4.44	72.58	4.23
	62.00	56.0	99.32	5.36	93.59	5.06	87.86	4.76	82.13	4.46	76.40	4.17	72.58	3.98
	67.00	61.0	99.32	4.96	93.59	4.69	87.86	4.41	82.13	4.14	76.40	3.88	72.58	3.70
	72.00	66.0	99.32	4.61	93.59	4.36	87.86	4.11	82.13	3.86	76.40	3.62	72.58	3.46
	75.00	69.0	99.32	4.40	93.59	4.16	87.86	3.93	82.13	3.69	76.40	3.47	72.58	3.31

Tc: Total Capacity

PI: Power Input

Double Units

Table 70 —38VMA168HDS5-1, 38VMA168HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61 °F		64 °F		67 °F		70 °F		73 °F		75 °F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	96.79	10.92	96.36	11.23	96.21	11.48	96.01	11.76	95.63	11.98	95.63	12.14
	2.00	1.0	104.53	11.79	104.09	12.02	103.73	12.24	103.34	12.44	103.24	12.59	103.03	12.70
	7.00	6.0	113.71	12.64	113.25	12.82	112.84	12.97	112.71	13.10	112.35	13.19	112.10	13.26
	12.00	10.0	121.13	13.54	120.66	13.64	120.22	13.71	120.07	13.75	119.75	13.80	119.45	13.81
	17.00	15.0	127.79	14.40	127.33	14.40	127.18	14.41	126.56	14.41	126.36	14.42	125.95	14.42
	22.00	20.0	139.87	14.32	139.40	14.32	139.24	14.32	138.61	14.33	138.39	14.33	137.97	14.33
	27.00	24.0	148.67	14.23	148.55	14.23	148.20	14.24	147.89	14.24	147.36	14.24	147.26	14.25
	32.00	29.0	159.45	14.15	159.17	14.15	158.91	14.15	158.44	14.16	158.06	14.16	157.81	14.16
	37.00	34.0	171.39	14.06	171.15	14.06	170.86	14.07	170.43	14.07	170.01	14.07	169.80	14.07
	42.00	38.0	199.00	13.98	198.79	13.98	198.45	13.98	193.47	13.98	192.98	13.99	192.79	13.99
	47.00	43.0	219.42	13.89	214.44	13.89	209.47	13.90	204.50	13.90	199.52	13.90	196.21	13.90
	52.00	47.0	228.24	13.81	223.26	13.81	218.29	13.81	213.31	13.81	208.34	13.82	205.02	13.82
	57.00	52.0	239.26	13.70	234.28	13.70	229.31	13.70	224.34	13.71	219.36	13.71	215.98	13.70
	62.00	56.0	248.08	13.62	243.10	13.62	238.13	13.62	233.16	13.62	227.35	13.54	215.98	12.74
	67.00	61.0	259.10	13.51	254.13	13.51	249.15	13.51	244.18	13.51	227.35	12.42	215.98	11.70
	72.00	66.0	270.12	13.40	265.15	13.40	260.17	13.40	244.40	12.48	227.35	11.47	215.98	10.81
	75.00	69.0	276.74	13.34	271.76	13.34	266.79	13.34	244.53	11.85	227.35	10.89	215.98	10.28
120	-3.00	-4.0	96.21	11.44	96.21	11.63	95.83	11.84	95.63	12.10	95.30	12.30	95.05	12.43
	2.00	1.0	103.94	12.16	103.70	12.33	103.23	12.49	103.03	12.71	102.65	12.84	102.44	12.94
	7.00	6.0	113.10	12.92	112.81	13.01	112.30	13.13	112.10	13.31	111.90	13.37	111.49	13.44
	12.00	10.0	120.51	13.70	120.18	13.73	119.95	13.77	119.45	13.87	119.25	13.90	118.84	13.93
	17.00	15.0	127.18	14.41	126.72	14.41	126.56	14.41	125.95	14.42	125.95	14.42	125.95	14.42
	22.00	20.0	139.24	14.32	138.76	14.32	138.61	14.33	137.97	14.33	137.97	14.33	137.97	14.34
	27.00	24.0	148.04	14.24	147.93	14.24	147.57	14.24	147.26	14.24	147.10	14.25	146.79	14.25
	32.00	29.0	158.82	14.15	158.54	14.15	158.27	14.16	157.81	14.16	157.73	14.16	157.56	14.16
	37.00	34.0	170.75	14.07	170.51	14.07	170.22	14.07	170.11	14.07	174.58	14.08	174.36	14.08
	42.00	38.0	188.65	13.98	188.45	13.98	188.12	13.98	187.99	13.99	183.40	13.99	183.14	13.99
	47.00	43.0	212.79	13.90	208.19	13.90	203.60	13.90	199.01	13.90	194.42	13.90	191.36	13.90
	52.00	47.0	221.60	13.81	217.01	13.81	212.42	13.81	207.83	13.82	203.24	13.82	199.37	13.72
	57.00	52.0	232.63	13.70	228.04	13.71	223.44	13.71	218.85	13.71	209.86	13.24	199.37	12.46
	62.00	56.0	241.44	13.62	236.85	13.62	232.26	13.62	225.60	13.41	209.86	12.32	199.37	11.60
	67.00	61.0	252.47	13.51	247.88	13.51	241.34	13.33	225.60	12.31	209.86	11.32	199.37	10.67
	72.00	66.0	263.49	13.40	257.08	13.25	241.34	12.29	225.60	11.36	209.86	10.46	199.37	9.88
	75.00	69.0	270.10	13.34	262.60	13.09	241.34	11.67	225.60	10.80	209.86	9.95	199.37	9.40
110	-3.00	-4.0	95.63	11.78	95.63	12.02	95.25	12.20	95.05	12.40	94.86	12.57	94.47	12.65
	2.00	1.0	103.34	12.46	103.11	12.62	102.85	12.76	102.44	12.90	102.35	13.06	102.16	13.11
	7.00	6.0	112.48	13.11	112.20	13.23	111.95	13.32	111.49	13.41	111.41	13.51	111.26	13.53
	12.00	10.0	119.89	13.75	119.56	13.84	119.33	13.89	119.28	13.91	118.78	13.97	118.66	13.95
	17.00	15.0	126.56	14.41	126.56	14.41	126.15	14.42	125.95	14.42	125.33	14.42	125.33	14.43
	22.00	20.0	138.61	14.33	138.13	14.33	137.97	14.33	137.97	14.33	137.34	14.34	137.34	14.26
	27.00	24.0	147.89	14.24	147.53	14.24	147.31	14.25	146.79	14.25	146.47	14.25	146.16	14.10
	32.00	29.0	158.44	14.15	158.25	14.16	157.94	14.16	157.56	14.16	157.18	14.16	157.18	13.93
	37.00	34.0	170.43	14.07	170.19	14.07	169.90	14.07	169.48	14.08	168.84	14.08	168.20	13.77
	42.00	38.0	183.53	13.98	183.25	13.99	182.98	13.99	182.51	13.99	178.30	13.99	173.67	13.60
	47.00	43.0	206.15	13.90	201.95	13.90	197.74	13.90	193.53	13.90	189.32	13.90	182.75	13.44
	52.00	47.0	214.97	13.81	210.76	13.81	206.55	13.82	202.35	13.82	192.37	13.15	182.75	12.38
	57.00	52.0	225.99	13.71	221.79	13.71	217.58	13.71	206.80	13.01	192.37	11.96	182.75	11.27
	62.00	56.0	234.81	13.62	230.60	13.62	221.23	13.11	206.80	12.11	192.37	11.14	182.75	10.51
	67.00	61.0	245.84	13.51	235.66	12.96	221.23	12.03	206.80	11.13	192.37	10.25	182.75	9.68
	72.00	66.0	250.08	12.82	235.66	11.95	221.23	11.11	206.80	10.29	192.37	9.49	182.75	8.97
	75.00	69.0	252.63	12.40	235.66	11.35	221.23	10.56	206.80	9.79	192.37	9.04	182.75	8.55
100	-3.00	-4.0	95.43	12.21	95.15	12.36	95.05	12.49	94.47	12.68	94.47	12.81	94.47	13.45
	2.00	1.0	102.75	12.78	102.52	12.88	102.44	12.96	102.16	13.13	101.85	13.22	101.85	13.88
	7.00	6.0	112.10	13.33	111.64	13.39	111.49	13.45	111.26	13.59	110.87	13.63	110.87	14.31
	12.00	10.0	119.45	13.88	119.32	13.90	118.98	13.93	118.66	14.01	118.51	14.03	118.22	14.74
	17.00	15.0	125.95	14.42	125.95	14.42	125.54	14.42	125.33	14.42	125.13	14.43	124.72	14.43
	22.00	20.0	137.97	14.33	137.97	14.33	137.55	14.34	137.34	14.34	137.13	14.15	136.71	14.03
	27.00	24.0	147.26	14.24	146.90	14.25	146.68	14.25	146.16	14.25	146.11	13.87	146.00	13.63
	32.00	29.0	157.81	14.16	157.62	14.16	157.31	14.16	157.18	14.16	155.79	13.59	153.52	13.22
	37.00	34.0	169.80	14.07	169.56	14.07	169.27	14.08	168.20	14.07	161.83	13.32	156.10	12.82
	42.00	38.0	186.33	13.99	186.04	13.99	183.14	13.99	177.02	13.99	167.19	13.04	160.63	12.42
	47.00	43.0	204.66	13.90	200.12	13.90	191.87	13.90	188.00	13.90	174.88	12.76	166.14	12.02
	52.00	47.0	214.74	13.82	204.51	13.82	200.69	13.82	188.00	12.80	174.88	11.77	166.14	11.10
	57.00	52.0	219.36	13.71	214.23	13.57	201.12	12.59	188.00	11.64	174.88	10.72	166.14	10.12
	62.00	56.0	227.35	13.54	214.23	12.62	201.12	11.72	188.00	10.85	174.88	10.00	166.14	9.45
	67.00	61.0	227.35	12.42	214.23	11.59	201.12	10.78	188.00	9.99	174.88	9.22	166.14	8.72
	72.00	66.0	227.35	11.47	214.23	10.71	201.12	9.97	188.00	9.25	174.88	8.55	166.14	8.10
	75.00	69.0	227.35	10.89	214.23	10.18	201.12	9.49	188.00	8.81	174.88	8.15	166.14	7.72

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61 °F		64 °F		67 °F		70 °F		73 °F		75 °F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	94.10	13.43	93.67	13.60	93.53	13.74	93.53	13.95	92.95	14.09	92.95	14.80
	2.00	1.0	99.67	14.06	99.46	14.17	99.19	14.26	99.09	14.45	98.72	14.54	98.52	15.27
	7.00	6.0	107.40	14.60	107.23	14.60	106.93	14.61	106.81	14.61	106.46	14.61	106.22	14.62
	12.00	10.0	114.51	14.52	114.38	14.52	114.05	14.53	113.91	14.53	113.60	14.53	113.32	14.54
	17.00	15.0	122.17	14.42	122.17	14.42	122.17	14.43	121.57	14.43	121.57	14.43	121.57	14.43
	22.00	20.0	128.32	14.33	128.32	14.34	127.92	14.24	127.73	14.07	128.41	13.91	126.12	13.80
	27.00	24.0	135.04	14.25	134.72	14.25	134.61	14.05	134.47	13.71	137.23	13.39	134.93	13.17
	32.00	29.0	155.83	14.16	155.64	14.16	154.74	13.86	151.70	13.35	148.25	12.86	145.96	12.54
	37.00	34.0	177.79	14.08	175.53	14.08	170.75	13.67	162.72	12.99	157.40	12.34	149.53	11.91
	42.00	38.0	194.27	13.99	186.96	13.99	178.48	13.48	169.20	12.63	157.40	11.82	149.53	11.28
	47.00	43.0	198.94	13.90	189.45	13.90	181.00	13.29	169.20	12.28	157.40	11.29	149.53	10.65
	52.00	47.0	201.71	13.82	192.81	13.19	181.00	12.25	169.20	11.33	157.40	10.44	149.53	9.86
	57.00	52.0	204.61	12.85	192.81	11.99	181.00	11.15	169.20	10.33	157.40	9.53	149.53	9.01
	62.00	56.0	204.61	11.96	192.81	11.17	181.00	10.39	169.20	9.64	157.40	8.90	149.53	8.43
	67.00	61.0	204.61	11.00	192.81	10.28	181.00	9.58	169.20	8.90	157.40	8.23	149.53	7.79
	72.00	66.0	204.61	10.17	192.81	9.52	181.00	8.88	169.20	8.25	157.40	7.65	149.53	7.25
	75.00	69.0	204.61	9.67	192.81	9.06	181.00	8.46	169.20	7.87	157.40	7.30	149.53	6.92
80	-3.00	-4.0	93.16	14.78	92.74	14.96	92.59	15.11	92.59	15.35	92.40	15.50	92.02	14.81
	2.00	1.0	96.68	15.46	96.48	15.58	96.22	15.68	96.12	15.89	96.03	16.00	95.85	14.72
	7.00	6.0	103.10	14.61	102.94	14.61	102.65	14.61	102.53	14.62	102.46	14.62	102.32	14.62
	12.00	10.0	112.22	14.53	112.09	14.53	112.05	14.53	111.63	14.54	111.58	14.54	111.47	14.54
	17.00	15.0	120.95	14.43	120.51	14.43	120.36	14.43	120.36	14.43	118.58	14.44	118.53	14.44
	22.00	20.0	126.96	14.25	126.96	14.10	126.96	13.96	126.37	13.82	119.91	13.68	115.20	13.59
	27.00	24.0	145.52	14.07	144.70	13.77	141.61	13.48	135.19	13.20	132.13	12.92	126.95	12.74
	32.00	29.0	166.93	13.89	161.54	13.44	154.34	13.01	146.21	12.58	139.91	12.16	132.91	11.89
	37.00	34.0	175.47	13.72	167.11	13.12	158.76	12.53	150.40	11.96	139.91	11.41	132.91	11.04
	42.00	38.0	175.47	13.54	167.11	12.79	158.76	12.06	150.40	11.34	139.91	10.65	132.91	10.20
	47.00	43.0	175.47	13.36	167.11	12.46	158.76	11.58	150.40	10.73	139.91	9.89	132.91	9.35
	52.00	47.0	175.47	12.32	167.11	11.50	158.76	10.70	150.40	9.92	139.91	9.16	132.91	8.67
	57.00	52.0	175.47	11.21	167.11	10.48	158.76	9.76	150.40	9.06	139.91	8.38	132.91	7.94
	62.00	56.0	175.47	10.45	167.11	9.78	158.76	9.12	150.40	8.48	139.91	7.85	132.91	7.44
	67.00	61.0	175.47	9.63	167.11	9.02	158.76	8.42	150.40	7.84	139.91	7.27	132.91	6.90
	72.00	66.0	175.47	8.92	167.11	8.37	158.76	7.82	150.40	7.29	139.91	6.77	132.91	6.43
	75.00	69.0	175.47	8.50	167.11	7.98	158.76	7.46	150.40	6.96	139.91	6.47	132.91	6.15
70	-3.00	-4.0	92.24	14.79	92.24	14.80	91.86	14.80	91.67	14.81	91.67	14.81	91.67	14.81
	2.00	1.0	95.72	14.71	95.72	14.71	95.54	14.71	95.16	14.72	94.77	14.72	94.93	14.72
	7.00	6.0	102.08	14.61	102.08	14.62	101.93	14.62	101.51	14.62	99.90	14.62	99.49	14.63
	12.00	10.0	112.37	14.53	112.37	14.54	112.26	14.54	110.52	14.54	105.27	14.54	104.38	14.54
	17.00	15.0	125.39	14.43	124.93	14.43	122.31	14.44	116.75	14.44	110.36	14.44	109.43	14.44
	22.00	20.0	138.16	13.93	133.36	13.81	127.50	13.69	120.89	13.57	118.21	13.46	116.30	13.38
	27.00	24.0	150.98	13.43	143.77	13.19	136.80	12.94	129.71	12.71	122.42	12.48	116.30	12.33
	32.00	29.0	153.19	12.93	145.87	12.56	138.80	12.20	131.60	11.84	122.42	11.50	116.30	11.27
	37.00	34.0	153.19	12.44	145.87	11.94	138.80	11.45	131.60	10.98	122.42	10.52	116.30	10.21
	42.00	38.0	153.19	11.94	145.87	11.31	138.80	10.71	131.60	10.11	122.42	9.53	116.30	9.16
	47.00	43.0	153.19	11.44	145.87	10.69	138.80	9.96	131.60	9.25	122.42	8.55	116.30	8.10
	52.00	47.0	153.19	10.57	145.87	9.89	138.80	9.22	131.60	8.57	122.42	7.94	116.30	7.53
	57.00	52.0	153.19	9.64	145.87	9.04	138.80	8.44	131.60	7.86	122.42	7.29	116.30	6.92
	62.00	56.0	153.19	9.01	145.87	8.45	138.80	7.90	131.60	7.37	122.42	6.84	116.30	6.50
	67.00	61.0	153.19	8.33	145.87	7.82	138.80	7.32	131.60	6.83	122.42	6.35	116.30	6.04
	72.00	66.0	153.19	7.73	145.87	7.27	138.80	6.81	131.60	6.37	122.42	5.93	116.30	5.64
	75.00	69.0	153.19	7.38	145.87	6.94	138.80	6.51	131.60	6.09	122.42	5.67	116.30	5.40
60	-3.00	-4.0	87.84	14.80	86.11	14.81	84.17	14.81	82.33	14.82	80.47	14.82	79.78	14.82
	2.00	1.0	95.28	14.72	92.62	14.72	89.81	14.72	87.07	14.73	84.21	14.73	83.16	14.73
	7.00	6.0	105.25	14.62	101.55	14.62	97.74	14.62	93.98	14.63	90.00	14.63	88.53	14.63
	12.00	10.0	115.71	14.54	110.89	14.54	106.00	14.54	101.15	14.55	95.96	14.55	94.04	14.55
	17.00	15.0	126.67	14.44	120.64	14.44	114.61	14.44	108.57	14.44	102.09	14.44	99.68	14.23
	22.00	20.0	130.09	13.63	123.89	13.53	117.70	13.44	112.80	13.34	104.93	13.25	99.68	13.01
	27.00	24.0	133.37	12.83	127.02	12.63	120.67	12.43	112.80	12.24	104.93	12.06	99.68	11.79
	32.00	29.0	133.37	12.03	127.02	11.73	120.67	11.43	112.80	11.14	104.93	10.86	99.68	10.57
	37.00	34.0	133.37	11.22	127.02	10.82	120.67	10.43	112.80	10.04	104.93	9.67	99.68	9.35
	42.00	38.0	133.37	10.42	127.02	9.92	120.67	9.43	112.80	8.94	104.93	8.47	99.68	8.13
	47.00	43.0	136.41	9.62	128.54	9.01	120.67	8.42	112.80	7.84	104.93	7.28	99.68	6.91
	52.00	47.0	136.41	8.91	128.54	8.36	120.67	7.82	112.80	7.29	104.93	6.78	99.68	6.44
	57.00	52.0	136.41	8.16	128.54	7.67	120.67	7.18	112.80	6.71	104.93	6.24	99.68	5.94
	62.00	56.0	136.41	7.65	128.54	7.19	120.67	6.74	112.80	6.30	104.93	5.87	99.68	5.59
	67.00	61.0	136.41	7.08	128.54	6.67	120.67	6.26	112.80	5.86	104.93	5.47	99.68	5.21
	72.00	66.0	136.41	6.60	128.54	6.22	120.67	5.85	112.80	5.48	104.93	5.12	99.68	4.88
	75.00	69.0	136.41	6.31	128.54	5.95	120.67	5.60	112.80	5.25	104.93	4.91	99.68	4.68

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61 °F		64 °F		67 °F		70 °F		73 °F		75 °F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	83.08	14.82	81.20	14.82	79.11	14.82	77.13	14.83	75.20	14.83	71.44	14.83
	2.00	1.0	88.77	14.73	85.88	14.73	82.84	14.73	79.87	14.73	76.95	14.74	73.10	14.74
	7.00	6.0	96.73	14.63	92.71	14.63	88.57	14.63	84.49	14.63	80.45	14.64	76.42	14.64
	12.00	10.0	105.03	14.55	99.78	14.55	94.48	14.55	89.20	14.55	83.94	14.55	79.75	14.09
	17.00	15.0	113.68	14.44	107.12	14.44	100.56	14.38	94.00	13.28	87.44	12.21	83.07	11.51
	22.00	20.0	113.67	13.35	107.12	13.27	100.56	13.15	94.00	12.15	87.44	11.18	83.07	10.56
	27.00	24.0	113.67	12.26	107.12	12.11	100.56	11.91	94.00	11.02	87.44	10.16	83.07	9.60
	32.00	29.0	113.67	11.17	107.12	10.94	100.56	10.68	94.00	9.90	87.44	9.14	83.07	8.64
	37.00	34.0	113.67	10.09	107.12	9.77	100.56	9.44	94.00	8.77	87.44	8.11	83.07	7.69
	42.00	38.0	113.67	9.00	107.12	8.60	100.56	8.21	94.00	7.64	87.44	7.09	83.07	6.73
	47.00	43.0	113.67	7.91	107.12	7.43	100.56	6.97	94.00	6.51	87.44	6.07	83.07	5.77
	52.00	47.0	113.67	7.35	107.12	6.92	100.56	6.49	94.00	6.08	87.44	5.67	83.07	5.40
	57.00	52.0	113.67	6.76	107.12	6.37	100.56	5.99	94.00	5.61	87.44	5.24	83.07	5.00
	62.00	56.0	113.67	6.35	107.12	5.99	100.56	5.64	94.00	5.29	87.44	4.94	83.07	4.72
	67.00	61.0	113.67	5.90	107.12	5.58	100.56	5.25	94.00	4.93	87.44	4.62	83.07	4.41
	72.00	66.0	113.67	5.52	107.12	5.22	100.56	4.92	94.00	4.63	87.44	4.34	83.07	4.15
	75.00	69.0	113.67	5.29	107.12	5.00	100.56	4.72	94.00	4.44	87.44	4.17	83.07	3.99

Tc: Total Capacity

PI: Power Input

Table 71 —38VMA192HDS5-1, 38VMA192HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	111.21	12.65	110.71	13.00	110.54	13.30	110.30	13.62	109.87	13.87	109.87	14.06
	2.00	1.0	120.10	13.66	119.59	13.93	119.18	14.18	118.74	14.41	118.62	14.58	118.38	14.72
	7.00	6.0	130.64	14.64	130.12	14.85	129.65	15.02	129.50	15.17	129.09	15.28	128.80	15.36
	12.00	10.0	139.17	15.68	138.63	15.80	138.12	15.88	137.95	15.92	137.58	15.98	137.24	16.00
	17.00	15.0	146.82	16.68	146.29	16.68	146.12	16.69	145.41	16.69	145.18	16.70	144.71	16.70
	22.00	20.0	160.70	16.58	160.16	16.59	159.98	16.59	159.25	16.59	159.01	16.60	158.52	16.60
	27.00	24.0	170.81	16.48	170.68	16.49	170.27	16.49	169.91	16.49	169.31	16.50	169.19	16.50
	32.00	29.0	183.20	16.39	182.87	16.39	182.57	16.39	182.04	16.40	181.61	16.40	181.32	16.40
	37.00	34.0	196.91	16.29	196.64	16.29	196.30	16.29	195.82	16.30	195.33	16.30	195.08	16.30
	42.00	38.0	228.64	16.19	228.40	16.19	228.00	16.20	222.29	16.20	221.72	16.20	221.51	16.20
	47.00	43.0	252.10	16.09	246.38	16.09	240.67	16.10	234.95	16.10	229.24	16.10	225.43	16.10
	52.00	47.0	262.23	15.99	256.51	16.00	250.80	16.00	245.08	16.00	239.37	16.00	235.56	16.00
	57.00	52.0	274.89	15.87	269.18	15.87	263.46	15.87	257.75	15.88	252.03	15.88	248.15	15.87
	62.00	56.0	285.02	15.77	279.31	15.77	273.59	15.77	267.88	15.78	261.21	15.68	248.15	14.76
	67.00	61.0	297.69	15.65	291.97	15.65	286.26	15.65	280.54	15.65	261.21	14.39	248.15	13.55
	72.00	66.0	310.35	15.52	304.64	15.52	298.92	15.53	280.80	14.45	261.21	13.28	248.15	12.52
	75.00	69.0	317.95	15.45	312.24	15.45	306.52	15.45	280.95	13.73	261.21	12.62	248.15	11.90
120	-3.00	-4.0	110.54	13.25	110.54	13.47	110.10	13.71	109.87	14.02	109.50	14.24	109.21	14.40
	2.00	1.0	119.42	14.09	119.15	14.29	118.61	14.46	118.38	14.73	117.94	14.87	117.70	14.99
	7.00	6.0	129.94	14.96	129.61	15.07	129.03	15.21	128.80	15.42	128.56	15.49	128.09	15.57
	12.00	10.0	138.46	15.87	138.08	15.91	137.82	15.95	137.24	16.07	137.01	16.10	136.53	16.13
	17.00	15.0	146.12	16.69	145.59	16.69	145.41	16.69	144.71	16.70	144.71	16.70	144.71	16.70
	22.00	20.0	159.98	16.59	159.43	16.59	159.25	16.59	158.52	16.60	158.52	16.60	158.52	16.60
	27.00	24.0	170.09	16.49	169.96	16.49	169.55	16.50	169.19	16.50	169.01	16.50	168.65	16.50
	32.00	29.0	182.48	16.39	182.15	16.39	181.85	16.40	181.32	16.40	181.22	16.40	181.03	16.40
	37.00	34.0	196.18	16.29	195.91	16.29	195.57	16.30	195.45	16.30	200.58	16.30	200.33	16.30
	42.00	38.0	216.75	16.19	216.52	16.20	216.14	16.20	215.99	16.20	210.71	16.20	210.42	16.20
	47.00	43.0	244.48	16.09	239.20	16.10	233.93	16.10	228.65	16.10	223.38	16.10	219.86	16.10
	52.00	47.0	254.61	16.00	249.33	16.00	244.06	16.00	238.78	16.00	233.51	16.00	229.06	15.90
	57.00	52.0	267.27	15.87	262.00	15.87	256.72	15.88	251.45	15.88	241.12	15.34	229.06	14.44
	62.00	56.0	277.40	15.77	272.13	15.78	266.85	15.78	259.20	15.54	241.12	14.27	229.06	13.44
	67.00	61.0	290.07	15.65	284.79	15.65	277.28	15.44	259.20	14.26	241.12	13.11	229.06	12.36
	72.00	66.0	302.73	15.52	295.37	15.34	277.28	14.24	259.20	13.16	241.12	12.12	229.06	11.44
	75.00	69.0	310.33	15.45	301.71	15.16	277.28	13.52	259.20	12.51	241.12	11.52	229.06	10.88
110	-3.00	-4.0	109.87	13.65	109.87	13.93	109.43	14.13	109.21	14.36	108.99	14.56	108.54	14.65
	2.00	1.0	118.74	14.43	118.47	14.62	118.16	14.78	117.70	14.95	117.59	15.12	117.37	15.18
	7.00	6.0	129.24	15.19	128.91	15.32	128.62	15.43	128.09	15.53	128.00	15.65	127.83	15.67
	12.00	10.0	137.75	15.93	137.37	16.03	137.11	16.08	137.04	16.11	136.47	16.18	136.33	16.16
	17.00	15.0	145.41	16.69	145.41	16.70	144.94	16.70	144.71	16.70	144.00	16.71	144.00	16.71
	22.00	20.0	159.25	16.59	158.70	16.60	158.52	16.60	158.52	16.60	157.79	16.61	157.79	16.52
	27.00	24.0	169.91	16.49	169.51	16.50	169.25	16.50	168.65	16.50	168.29	16.51	167.93	16.33
	32.00	29.0	182.04	16.39	181.82	16.40	181.46	16.40	181.03	16.40	180.59	16.41	180.59	16.14
	37.00	34.0	195.82	16.30	195.54	16.30	195.21	16.30	194.72	16.30	193.99	16.31	193.25	15.95
	42.00	38.0	210.87	16.20	210.54	16.20	210.23	16.20	209.69	16.20	204.85	16.21	199.53	15.76
	47.00	43.0	236.86	16.10	232.02	16.10	227.19	16.10	222.35	16.10	217.52	16.11	209.97	15.57
	52.00	47.0	246.99	16.00	242.15	16.00	237.32	16.00	232.48	16.00	221.02	15.24	209.97	14.34
	57.00	52.0	259.65	15.88	254.82	15.88	249.98	15.88	237.60	15.07	221.02	13.85	209.97	13.05
	62.00	56.0	269.79	15.78	264.95	15.78	254.18	15.18	237.60	14.02	221.02	12.90	209.97	12.17
	67.00	61.0	282.45	15.65	270.75	15.01	254.18	13.94	237.60	12.89	221.02	11.88	209.97	11.21
	72.00	66.0	287.33	14.85	270.75	13.85	254.18	12.87	237.60	11.92	221.02	10.99	209.97	10.39
	75.00	69.0	290.26	14.37	270.75	13.15	254.18	12.23	237.60	11.34	221.02	10.47	209.97	9.90
100	-3.00	-4.0	109.64	14.15	109.32	14.32	109.21	14.47	108.54	14.69	108.54	14.84	108.54	15.58
	2.00	1.0	118.05	14.80	117.79	14.92	117.70	15.01	117.37	15.21	117.02	15.31	117.02	16.08
	7.00	6.0	128.80	15.44	128.27	15.51	128.09	15.58	127.83	15.74	127.39	15.79	127.39	16.58
	12.00	10.0	137.24	16.08	137.09	16.10	136.70	16.14	136.33	16.23	136.16	16.26	135.83	17.07
	17.00	15.0	144.71	16.70	144.71	16.70	144.24	16.70	144.00	16.71	143.76	16.71	143.29	16.71
	22.00	20.0	158.52	16.60	158.52	16.60	158.04	16.60	157.79	16.61	157.55	16.39	157.07	16.25
	27.00	24.0	169.19	16.50	168.78	16.50	168.53	16.50	167.93	16.51	167.87	16.07	167.75	15.78
	32.00	29.0	181.32	16.40	181.10	16.40	180.74	16.40	180.59	16.40	178.99	15.74	176.38	15.32
	37.00	34.0	195.08	16.30	194.81	16.30	194.47	16.30	193.25	16.30	185.93	15.42	179.35	14.85
	42.00	38.0	214.08	16.20	213.74	16.20	210.42	16.20	203.39	16.20	192.09	15.10	184.55	14.39
	47.00	43.0	235.14	16.10	229.92	16.10	220.45	16.10	216.00	16.10	200.93	14.78	190.88	13.92
	52.00	47.0	246.72	16.00	234.97	16.00	230.58	16.01	216.00	14.83	200.93	13.63	190.88	12.85
	57.00	52.0	252.03	15.88	246.14	15.72	231.07	14.59	216.00	13.48	200.93	12.41	190.88	11.72
	62.00	56.0	261.21	15.68	246.14	14.62	231.07	13.58	216.00	12.57	200.93	11.58	190.88	10.94
	67.00	61.0	261.21	14.39	246.14	13.43	231.07	12.49	216.00	11.57	200.93	10.68	190.88	10.10
	72.00	66.0	261.21	13.28	246.14	12.41	231.07	11.55	216.00	10.72	200.93	9.91	190.88	9.38
	75.00	69.0	261.21	12.62	246.14	11.79	231.07	10.99	216.00	10.21	200.93	9.44	190.88	8.94

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	108.12	15.56	107.62	15.75	107.46	15.91	107.46	16.16	106.80	16.33	106.80	17.14
	2.00	1.0	114.51	16.28	114.28	16.41	113.97	16.51	113.85	16.73	113.42	16.84	113.19	17.68
	7.00	6.0	123.39	16.91	123.20	16.91	122.86	16.92	122.71	16.92	122.32	16.93	122.04	16.93
	12.00	10.0	131.56	16.82	131.41	16.82	131.04	16.83	130.88	16.83	130.52	16.83	130.20	16.84
	17.00	15.0	140.37	16.70	140.37	16.71	140.37	16.71	139.68	16.71	139.68	16.72	139.68	16.72
	22.00	20.0	147.43	16.60	147.43	16.61	146.98	16.49	146.75	16.30	147.54	16.11	144.90	15.99
	27.00	24.0	155.16	16.50	154.78	16.51	154.66	16.27	154.49	15.88	157.67	15.50	155.03	15.26
	32.00	29.0	179.04	16.40	178.82	16.41	177.79	16.05	174.29	15.47	170.33	14.90	167.70	14.53
	37.00	34.0	204.26	16.30	201.67	16.31	196.19	15.83	186.95	15.05	180.84	14.29	171.80	13.80
	42.00	38.0	223.20	16.20	214.80	16.21	205.07	15.61	194.40	14.63	180.84	13.69	171.80	13.07
	47.00	43.0	228.57	16.10	217.66	16.11	207.96	15.39	194.40	14.22	180.84	13.08	171.80	12.34
	52.00	47.0	231.75	16.00	221.53	15.28	207.96	14.18	194.40	13.12	180.84	12.09	171.80	11.42
	57.00	52.0	235.09	14.88	221.53	13.88	207.96	12.91	194.40	11.96	180.84	11.04	171.80	10.43
	62.00	56.0	235.09	13.85	221.53	12.93	207.96	12.04	194.40	11.16	180.84	10.31	171.80	9.76
	67.00	61.0	235.09	12.74	221.53	11.91	207.96	11.09	194.40	10.30	180.84	9.53	171.80	9.03
	72.00	66.0	235.09	11.78	221.53	11.02	207.96	10.28	194.40	9.56	180.84	8.86	171.80	8.40
	75.00	69.0	235.09	11.20	221.53	10.49	207.96	9.80	194.40	9.12	180.84	8.45	171.80	8.02
80	-3.00	-4.0	107.04	17.12	106.55	17.32	106.38	17.50	106.38	17.78	106.16	17.96	105.73	17.15
	2.00	1.0	111.08	17.91	110.85	18.05	110.55	18.16	110.44	18.41	110.33	18.53	110.13	17.05
	7.00	6.0	118.46	16.92	118.28	16.92	117.94	16.92	117.81	16.93	117.72	16.93	117.56	16.93
	12.00	10.0	128.93	16.83	128.79	16.83	128.74	16.83	128.26	16.84	128.20	16.84	128.07	16.84
	17.00	15.0	138.96	16.71	138.45	16.71	138.28	16.71	138.28	16.72	136.24	16.72	136.19	16.72
	22.00	20.0	145.87	16.50	145.87	16.33	145.87	16.16	145.19	16.00	137.76	15.84	132.36	15.74
	27.00	24.0	167.19	16.30	166.25	15.95	162.70	15.61	155.32	15.29	151.81	14.97	145.85	14.76
	32.00	29.0	191.79	16.09	185.60	15.57	177.32	15.06	167.99	14.57	160.74	14.09	152.71	13.78
	37.00	34.0	201.60	15.89	192.00	15.19	182.40	14.51	172.80	13.85	160.74	13.21	152.71	12.79
	42.00	38.0	201.60	15.68	192.00	14.81	182.40	13.96	172.80	13.14	160.74	12.33	152.71	11.81
	47.00	43.0	201.60	15.48	192.00	14.43	182.40	13.41	172.80	12.42	160.74	11.46	152.71	10.83
	52.00	47.0	201.60	14.26	192.00	13.32	182.40	12.39	172.80	11.49	160.74	10.61	152.71	10.04
	57.00	52.0	201.60	12.98	192.00	12.13	182.40	11.31	172.80	10.50	160.74	9.71	152.71	9.20
	62.00	56.0	201.60	12.10	192.00	11.32	182.40	10.56	172.80	9.82	160.74	9.09	152.71	8.62
	67.00	61.0	201.60	11.15	192.00	10.45	182.40	9.76	172.80	9.08	160.74	8.42	152.71	7.99
	72.00	66.0	201.60	10.34	192.00	9.69	182.40	9.06	172.80	8.45	160.74	7.84	152.71	7.45
	75.00	69.0	201.60	9.85	192.00	9.24	182.40	8.65	172.80	8.06	160.74	7.49	152.71	7.12
70	-3.00	-4.0	105.97	17.13	105.97	17.14	105.54	17.14	105.32	17.15	105.32	17.16	105.32	17.16
	2.00	1.0	109.98	17.03	109.98	17.04	109.77	17.04	109.33	17.05	108.88	17.05	109.06	17.05
	7.00	6.0	117.28	16.93	117.28	16.93	117.12	16.93	116.63	16.94	114.78	16.94	114.31	16.94
	12.00	10.0	129.11	16.83	129.11	16.84	128.98	16.84	126.98	16.84	120.95	16.84	119.93	16.85
	17.00	15.0	144.07	16.72	143.54	16.72	140.52	16.72	134.13	16.72	126.80	16.73	125.73	16.73
	22.00	20.0	158.73	16.14	153.22	16.00	146.49	15.86	138.89	15.72	135.82	15.59	133.62	15.50
	27.00	24.0	173.47	15.56	165.19	15.27	157.17	14.99	149.02	14.72	140.65	14.45	133.62	14.28
	32.00	29.0	176.00	14.98	167.60	14.55	159.47	14.13	151.20	13.72	140.65	13.32	133.62	13.05
	37.00	34.0	176.00	14.40	167.60	13.83	159.47	13.26	151.20	12.72	140.65	12.18	133.62	11.83
	42.00	38.0	176.00	13.83	167.60	13.10	159.47	12.40	151.20	11.71	140.65	11.04	133.62	10.61
	47.00	43.0	176.00	13.25	167.60	12.38	159.47	11.54	151.20	10.71	140.65	9.91	133.62	9.38
	52.00	47.0	176.00	12.24	167.60	11.45	159.47	10.68	151.20	9.93	140.65	9.20	133.62	8.72
	57.00	52.0	176.00	11.17	167.60	10.47	159.47	9.78	151.20	9.10	140.65	8.44	133.62	8.01
	62.00	56.0	176.00	10.44	167.60	9.79	159.47	9.15	151.20	8.53	140.65	7.92	133.62	7.52
	67.00	61.0	176.00	9.64	167.60	9.05	159.47	8.48	151.20	7.91	140.65	7.36	133.62	6.99
	72.00	66.0	176.00	8.96	167.60	8.42	159.47	7.89	151.20	7.37	140.65	6.87	133.62	6.53
	75.00	69.0	176.00	8.55	167.60	8.04	159.47	7.54	151.20	7.05	140.65	6.57	133.62	6.26
60	-3.00	-4.0	100.92	17.15	98.93	17.15	96.70	17.16	94.59	17.16	92.45	17.17	91.66	17.17
	2.00	1.0	109.47	17.05	106.42	17.05	103.18	17.05	100.04	17.06	96.76	17.06	95.54	17.06
	7.00	6.0	120.93	16.93	116.68	16.94	112.29	16.94	107.98	16.94	103.41	16.94	101.71	16.95
	12.00	10.0	132.95	16.84	127.40	16.84	121.79	16.85	116.21	16.85	110.25	16.85	108.04	16.85
	17.00	15.0	145.54	16.72	138.61	16.72	131.68	16.73	124.75	16.73	117.29	16.73	114.53	16.49
	22.00	20.0	149.46	15.79	142.35	15.68	135.23	15.56	129.60	15.45	120.56	15.35	114.53	15.07
	27.00	24.0	153.24	14.86	145.94	14.63	138.64	14.40	129.60	14.18	120.56	13.96	114.53	13.66
	32.00	29.0	153.24	13.93	145.94	13.58	138.64	13.24	129.60	12.91	120.56	12.58	114.53	12.24
	37.00	34.0	153.24	13.00	145.94	12.54	138.64	12.08	129.60	11.63	120.56	11.20	114.53	10.83
	42.00	38.0	153.24	12.07	145.94	11.49	138.64	10.92	129.60	10.36	120.56	9.81	114.53	9.42
	47.00	43.0	156.73	11.14	147.68	10.44	138.64	9.76	129.60	9.09	120.56	8.43	114.53	8.00
	52.00	47.0	156.73	10.32	147.68	9.69	138.64	9.06	129.60	8.45	120.56	7.85	114.53	7.46
	57.00	52.0	156.73	9.45	147.68	8.88	138.64	8.32	129.60	7.77	120.56	7.23	114.53	6.88
	62.00	56.0	156.73	8.86	147.68	8.33	138.64	7.81	129.60	7.30	120.56	6.80	114.53	6.47
	67.00	61.0	156.73	8.21	147.68	7.72	138.64	7.25	129.60	6.79	120.56	6.33	114.53	6.03
	72.00	66.0	156.73	7.64	147.68	7.20	138.64	6.77	129.60	6.35	120.56	5.93	114.53	5.65
	75.00	69.0	156.73	7.31	147.68	6.89	138.64	6.48	129.60	6.08	120.56	5.68	114.53	5.42

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	95.45	17.16	93.29	17.17	90.89	17.17	88.62	17.17	86.40	17.18	82.08	17.18
	2.00	1.0	101.99	17.06	98.67	17.06	95.17	17.06	91.77	17.07	88.41	17.07	83.99	17.07
	7.00	6.0	111.14	16.94	106.51	16.94	101.76	16.95	97.08	16.95	92.43	16.95	87.81	16.95
	12.00	10.0	120.68	16.85	114.65	16.85	108.55	16.85	102.49	16.85	96.45	16.86	91.62	16.32
	17.00	15.0	130.61	16.73	123.07	16.73	115.53	16.66	108.00	15.38	100.47	14.14	95.44	13.33
	22.00	20.0	130.60	15.47	123.07	15.38	115.53	15.23	108.00	14.08	100.47	12.95	95.44	12.23
	27.00	24.0	130.60	14.20	123.07	14.02	115.53	13.80	108.00	12.77	100.47	11.77	95.44	11.12
	32.00	29.0	130.60	12.94	123.07	12.67	115.53	12.37	108.00	11.46	100.47	10.58	95.44	10.01
	37.00	34.0	130.60	11.68	123.07	11.32	115.53	10.94	108.00	10.16	100.47	9.40	95.44	8.90
	42.00	38.0	130.60	10.42	123.07	9.96	115.53	9.50	108.00	8.85	100.47	8.21	95.44	7.80
	47.00	43.0	130.60	9.16	123.07	8.61	115.53	8.07	108.00	7.54	100.47	7.03	95.44	6.69
	52.00	47.0	130.60	8.52	123.07	8.01	115.53	7.52	108.00	7.04	100.47	6.56	95.44	6.25
	57.00	52.0	130.60	7.83	123.07	7.38	115.53	6.93	108.00	6.50	100.47	6.07	95.44	5.79
	62.00	56.0	130.60	7.36	123.07	6.94	115.53	6.53	108.00	6.12	100.47	5.73	95.44	5.47
	67.00	61.0	130.60	6.84	123.07	6.46	115.53	6.08	108.00	5.71	100.47	5.35	95.44	5.11
	72.00	66.0	130.60	6.39	123.07	6.04	115.53	5.70	108.00	5.36	100.47	5.03	95.44	4.81
	75.00	69.0	130.60	6.12	123.07	5.79	115.53	5.47	108.00	5.15	100.47	4.83	95.44	4.62

Tc: Total Capacity

PI: Power Input

Table 72 —38VMA216HDS5-1, 38VMA216HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	120.47	13.98	119.93	14.38	119.75	14.71	119.50	15.05	119.03	15.34	119.03	15.54
	2.00	1.0	130.11	15.10	129.55	15.40	129.11	15.68	128.63	15.93	128.50	16.12	128.24	16.27
	7.00	6.0	141.53	16.19	140.96	16.41	140.45	16.61	140.29	16.78	139.85	16.90	139.53	16.98
	12.00	10.0	150.76	17.34	150.19	17.47	149.63	17.55	149.45	17.60	149.05	17.67	148.68	17.69
	17.00	15.0	159.06	18.44	158.49	18.45	158.29	18.45	157.53	18.46	157.27	18.46	156.76	18.46
	22.00	20.0	174.09	18.33	173.50	18.34	173.31	18.34	172.52	18.35	172.26	18.35	171.73	18.35
	27.00	24.0	185.05	18.22	184.90	18.23	184.46	18.23	184.07	18.24	183.42	18.24	183.29	18.24
	32.00	29.0	198.47	18.12	198.11	18.12	197.79	18.12	197.21	18.13	196.74	18.13	196.43	18.13
	37.00	34.0	213.32	18.01	213.03	18.01	212.66	18.01	212.13	18.02	211.61	18.02	211.34	18.02
	42.00	38.0	247.69	17.90	247.44	17.90	247.00	17.91	240.81	17.91	240.19	17.91	239.97	17.91
	47.00	43.0	273.10	17.79	266.91	17.79	260.72	17.80	254.53	17.80	248.34	17.80	244.21	17.80
	52.00	47.0	284.08	17.68	277.89	17.68	271.70	17.69	265.51	17.69	259.32	17.69	255.19	17.69
	57.00	52.0	297.80	17.55	291.61	17.55	285.42	17.55	279.23	17.55	273.04	17.55	268.83	17.55
	62.00	56.0	308.78	17.44	302.59	17.44	296.39	17.44	290.20	17.44	282.98	17.34	268.83	16.31
	67.00	61.0	322.50	17.30	316.31	17.30	310.11	17.30	303.92	17.30	282.98	15.91	268.83	14.98
	72.00	66.0	336.22	17.16	330.02	17.16	323.83	17.16	304.20	15.98	282.98	14.68	268.83	13.84
	75.00	69.0	344.45	17.08	338.26	17.08	332.07	17.08	304.37	15.18	282.98	13.95	268.83	13.16
120	-3.00	-4.0	119.75	14.64	119.75	14.89	119.27	15.16	119.03	15.50	118.62	15.75	118.31	15.92
	2.00	1.0	129.37	15.57	129.08	15.80	128.49	15.99	128.24	16.28	127.76	16.45	127.51	16.58
	7.00	6.0	140.77	16.54	140.41	16.67	139.78	16.81	139.53	17.04	139.27	17.12	138.77	17.21
	12.00	10.0	150.00	17.55	149.58	17.58	149.30	17.64	148.68	17.77	148.42	17.80	147.91	17.84
	17.00	15.0	158.29	18.45	157.72	18.45	157.53	18.46	156.76	18.46	156.76	18.47	156.76	18.47
	22.00	20.0	173.31	18.34	172.72	18.34	172.52	18.35	171.73	18.35	171.73	18.36	171.73	18.36
	27.00	24.0	184.27	18.23	184.12	18.23	183.68	18.24	183.29	18.24	183.09	18.25	182.70	18.25
	32.00	29.0	197.68	18.12	197.33	18.12	197.00	18.13	196.43	18.13	196.32	18.13	196.11	18.14
	37.00	34.0	212.53	18.01	212.23	18.02	211.87	18.02	211.74	18.02	217.30	18.02	217.02	18.03
	42.00	38.0	234.81	17.90	234.56	17.91	234.15	17.91	233.99	17.91	228.27	17.91	227.95	17.92
	47.00	43.0	264.85	17.79	259.14	17.80	253.42	17.80	247.71	17.80	241.99	17.80	238.18	17.81
	52.00	47.0	275.83	17.69	270.11	17.69	264.40	17.69	258.68	17.69	252.97	17.69	248.15	17.57
	57.00	52.0	289.55	17.55	283.83	17.55	278.12	17.55	272.40	17.55	261.21	16.96	248.15	15.96
	62.00	56.0	300.52	17.44	294.81	17.44	289.09	17.44	280.80	17.18	261.21	15.77	248.15	14.86
	67.00	61.0	314.24	17.30	308.53	17.30	300.39	17.07	280.80	15.76	261.21	14.50	248.15	13.67
	72.00	66.0	327.96	17.16	319.98	16.96	300.39	15.74	280.80	14.55	261.21	13.40	248.15	12.65
	75.00	69.0	336.19	17.08	326.85	16.76	300.39	14.94	280.80	13.83	261.21	12.74	248.15	12.03
110	-3.00	-4.0	119.03	15.09	119.03	15.40	118.55	15.62	118.31	15.88	118.07	16.09	117.59	16.20
	2.00	1.0	128.63	15.96	128.34	16.17	128.01	16.34	127.51	16.52	127.39	16.72	127.15	16.78
	7.00	6.0	140.00	16.79	139.65	16.94	139.34	17.06	138.77	17.17	138.67	17.30	138.48	17.32
	12.00	10.0	149.23	17.61	148.82	17.73	148.53	17.78	148.46	17.81	147.84	17.89	147.69	17.87
	17.00	15.0	157.53	18.45	157.53	18.46	157.02	18.46	156.76	18.47	156.00	18.47	156.00	18.47
	22.00	20.0	172.52	18.34	171.93	18.35	171.73	18.35	171.73	18.36	170.94	18.36	170.94	18.26
	27.00	24.0	184.07	18.24	183.63	18.24	183.35	18.24	182.70	18.25	182.31	18.25	181.92	18.05
	32.00	29.0	197.21	18.13	196.98	18.13	196.58	18.13	196.11	18.14	195.64	18.14	195.64	17.84
	37.00	34.0	212.13	18.02	211.84	18.02	211.47	18.02	210.95	18.03	210.15	18.03	209.36	17.63
	42.00	38.0	228.44	17.91	228.08	17.91	227.75	17.91	227.16	17.91	221.92	17.92	216.16	17.42
	47.00	43.0	256.60	17.80	251.36	17.80	246.12	17.80	240.88	17.80	235.64	17.81	227.47	17.21
	52.00	47.0	267.57	17.69	262.33	17.69	257.09	17.69	251.86	17.69	239.44	16.84	227.47	15.86
	57.00	52.0	281.29	17.55	276.05	17.55	270.81	17.56	257.40	16.66	239.44	15.31	227.47	14.43
	62.00	56.0	292.27	17.44	287.03	17.44	275.36	16.78	257.40	15.50	239.44	14.26	227.47	13.45
	67.00	61.0	305.99	17.30	293.32	16.60	275.36	15.41	257.40	14.25	239.44	13.13	227.47	12.40
	72.00	66.0	311.27	16.42	293.32	15.31	275.36	14.23	257.40	13.18	239.44	12.16	227.47	11.49
	75.00	69.0	314.45	15.88	293.32	14.54	275.36	13.52	257.40	12.53	239.44	11.57	227.47	10.94
100	-3.00	-4.0	118.77	15.64	118.43	15.83	118.31	15.99	117.59	16.24	117.59	16.41	117.59	17.23
	2.00	1.0	127.89	16.37	127.60	16.49	127.51	16.60	127.15	16.82	126.77	16.93	126.77	17.77
	7.00	6.0	139.53	17.07	138.96	17.15	138.77	17.23	138.48	17.40	138.00	17.46	138.00	18.33
	12.00	10.0	148.68	17.78	148.52	17.80	148.09	17.84	147.69	17.95	147.51	17.97	147.14	18.87
	17.00	15.0	156.76	18.46	156.76	18.46	156.25	18.47	156.00	18.47	155.75	18.48	155.24	18.48
	22.00	20.0	171.73	18.35	171.73	18.35	171.21	18.36	170.94	18.36	170.68	18.12	170.16	17.96
	27.00	24.0	183.29	18.24	182.85	18.24	182.57	18.25	181.92	18.25	181.85	17.76	181.72	17.45
	32.00	29.0	196.43	18.13	196.19	18.13	195.80	18.14	195.64	18.14	193.91	17.41	191.08	16.93
	37.00	34.0	211.34	18.02	211.04	18.02	210.68	18.03	209.36	18.02	201.43	17.05	194.29	16.42
	42.00	38.0	231.92	17.91	231.56	17.91	227.95	17.92	220.34	17.91	208.09	16.70	199.93	15.91
	47.00	43.0	254.74	17.80	249.08	17.80	238.82	17.81	234.00	17.80	217.67	16.34	206.79	15.39
	52.00	47.0	267.28	17.69	254.56	17.69	249.79	17.70	234.00	16.39	217.67	15.07	206.79	14.21
	57.00	52.0	273.04	17.55	266.65	17.38	250.33	16.13	234.00	14.91	217.67	13.73	206.79	12.96
	62.00	56.0	282.98	17.34	266.65	16.16	250.33	15.01	234.00	13.89	217.67	12.81	206.79	12.10
	67.00	61.0	282.98	15.91	266.65	14.84	250.33	13.81	234.00	12.79	217.67	11.81	206.79	11.17
	72.00	66.0	282.98	14.68	266.65	13.72	250.33	12.77	234.00	11.85	217.67	10.95	206.79	10.37
	75.00	69.0	282.98	13.95	266.65	13.04	250.33	12.15	234.00	11.28	217.67	10.44	206.79	9.89

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	117.13	17.20	116.59	17.41	116.41	17.59	116.41	17.87	115.70	18.05	115.70	18.95
	2.00	1.0	124.06	18.00	123.80	18.14	123.47	18.26	123.34	18.50	122.87	18.62	122.62	19.55
	7.00	6.0	133.68	18.69	133.47	18.70	133.09	18.70	132.94	18.71	132.51	18.71	132.21	18.72
	12.00	10.0	142.52	18.59	142.37	18.60	141.96	18.60	141.79	18.61	141.40	18.61	141.05	18.61
	17.00	15.0	152.07	18.47	152.07	18.47	152.07	18.47	151.32	18.48	151.32	18.48	151.32	18.48
	22.00	20.0	159.71	18.36	159.71	18.36	159.22	18.23	158.98	18.02	159.83	17.81	156.97	17.68
	27.00	24.0	168.09	18.25	167.68	18.25	167.55	17.99	167.37	17.56	170.81	17.14	167.95	16.87
	32.00	29.0	193.95	18.14	193.72	18.14	192.60	17.74	188.81	17.10	184.53	16.47	181.67	16.06
	37.00	34.0	221.29	18.03	218.47	18.03	212.54	17.50	202.53	16.64	195.91	15.80	186.11	15.26
	42.00	38.0	241.80	17.92	232.70	17.92	222.16	17.26	210.60	16.18	195.91	15.13	186.11	14.45
	47.00	43.0	247.61	17.80	235.80	17.81	225.29	17.02	210.60	15.72	195.91	14.46	186.11	13.64
	52.00	47.0	251.06	17.69	239.99	16.89	225.29	15.68	210.60	14.51	195.91	13.36	186.11	12.62
	57.00	52.0	254.68	16.46	239.99	15.35	225.29	14.27	210.60	13.22	195.91	12.20	186.11	11.53
	62.00	56.0	254.68	15.31	239.99	14.30	225.29	13.31	210.60	12.34	195.91	11.40	186.11	10.79
	67.00	61.0	254.68	14.08	239.99	13.16	225.29	12.27	210.60	11.39	195.91	10.54	186.11	9.98
	72.00	66.0	254.68	13.02	239.99	12.19	225.29	11.37	210.60	10.57	195.91	9.79	186.11	9.28
	75.00	69.0	254.68	12.39	239.99	11.60	225.29	10.83	210.60	10.08	195.91	9.34	186.11	8.86
80	-3.00	-4.0	115.96	18.92	115.43	19.15	115.25	19.35	115.25	19.65	115.01	19.85	114.54	18.96
	2.00	1.0	120.34	19.80	120.09	19.95	119.76	20.08	119.64	20.35	119.53	20.48	119.31	18.85
	7.00	6.0	128.33	18.70	128.13	18.71	127.77	18.71	127.62	18.72	127.53	18.72	127.36	18.72
	12.00	10.0	139.68	18.60	139.52	18.61	139.47	18.61	138.95	18.61	138.88	18.62	138.74	18.62
	17.00	15.0	150.54	18.47	149.99	18.48	149.81	18.48	149.81	18.48	147.59	18.49	147.53	18.49
	22.00	20.0	158.02	18.25	158.02	18.06	158.02	17.87	157.29	17.69	149.24	17.52	143.39	17.40
	27.00	24.0	181.12	18.02	180.10	17.64	176.25	17.26	168.27	16.90	164.46	16.55	158.01	16.32
	32.00	29.0	207.77	17.79	201.07	17.22	192.10	16.66	181.99	16.11	174.14	15.58	165.43	15.23
	37.00	34.0	218.40	17.57	208.00	16.80	197.60	16.05	187.20	15.32	174.14	14.61	165.43	14.14
	42.00	38.0	218.40	17.34	208.00	16.38	197.60	15.44	187.20	14.53	174.14	13.64	165.43	13.06
	47.00	43.0	218.40	17.11	208.00	15.96	197.60	14.83	187.20	13.73	174.14	12.67	165.43	11.97
	52.00	47.0	218.40	15.77	208.00	14.72	197.60	13.70	187.20	12.70	174.14	11.73	165.43	11.10
	57.00	52.0	218.40	14.35	208.00	13.42	197.60	12.50	187.20	11.61	174.14	10.74	165.43	10.17
	62.00	56.0	218.40	13.38	208.00	12.52	197.60	11.68	187.20	10.86	174.14	10.05	165.43	9.53
	67.00	61.0	218.40	12.33	208.00	11.55	197.60	10.79	187.20	10.04	174.14	9.31	165.43	8.83
	72.00	66.0	218.40	11.43	208.00	10.72	197.60	10.02	187.20	9.34	174.14	8.67	165.43	8.23
	75.00	69.0	218.40	10.89	208.00	10.22	197.60	9.56	187.20	8.92	174.14	8.29	165.43	7.87
70	-3.00	-4.0	114.80	18.94	114.80	18.95	114.33	18.95	114.10	18.96	114.10	18.97	114.10	18.97
	2.00	1.0	119.14	18.83	119.14	18.84	118.92	18.84	118.44	18.85	117.96	18.85	118.15	18.86
	7.00	6.0	127.05	18.71	127.05	18.72	126.88	18.72	126.35	18.72	124.35	18.73	123.83	18.73
	12.00	10.0	139.86	18.61	139.86	18.61	139.73	18.62	137.56	18.62	131.03	18.62	129.92	18.63
	17.00	15.0	156.08	18.48	155.50	18.48	152.23	18.49	145.31	18.49	137.37	18.49	136.21	18.49
	22.00	20.0	171.96	17.84	165.99	17.68	158.69	17.53	150.47	17.38	147.13	17.23	144.75	17.14
	27.00	24.0	187.92	17.20	178.95	16.89	170.27	16.58	161.44	16.27	152.37	15.98	144.75	15.79
	32.00	29.0	190.67	16.56	181.57	16.09	172.76	15.62	163.80	15.17	152.37	14.72	144.75	14.43
	37.00	34.0	190.67	15.92	181.57	15.29	172.76	14.67	163.80	14.06	152.37	13.47	144.75	13.08
	42.00	38.0	190.67	15.29	181.57	14.49	172.76	13.71	163.80	12.95	152.37	12.21	144.75	11.73
	47.00	43.0	190.67	14.65	181.57	13.69	172.76	12.75	163.80	11.84	152.37	10.95	144.75	10.37
	52.00	47.0	190.67	13.53	181.57	12.66	172.76	11.81	163.80	10.98	152.37	10.17	144.75	9.64
	57.00	52.0	190.67	12.35	181.57	11.57	172.76	10.81	163.80	10.06	152.37	9.33	144.75	8.86
	62.00	56.0	190.67	11.54	181.57	10.82	172.76	10.12	163.80	9.43	152.37	8.76	144.75	8.32
	67.00	61.0	190.67	10.66	181.57	10.01	172.76	9.37	163.80	8.75	152.37	8.13	144.75	7.73
	72.00	66.0	190.67	9.91	181.57	9.31	172.76	8.73	163.80	8.15	152.37	7.59	144.75	7.22
	75.00	69.0	190.67	9.45	181.57	8.89	172.76	8.34	163.80	7.80	152.37	7.27	144.75	6.92
60	-3.00	-4.0	109.33	18.96	107.17	18.96	104.76	18.97	102.47	18.97	100.16	18.98	99.30	18.98
	2.00	1.0	118.59	18.84	115.28	18.85	111.78	18.85	108.37	18.86	104.82	18.86	103.51	18.86
	7.00	6.0	131.00	18.72	126.40	18.72	121.65	18.73	116.98	18.73	112.02	18.73	110.19	18.74
	12.00	10.0	144.03	18.62	138.02	18.62	131.94	18.62	125.90	18.63	119.44	18.63	117.05	18.63
	17.00	15.0	157.66	18.49	150.16	18.49	142.65	18.49	135.14	18.49	127.06	18.50	124.07	18.23
	22.00	20.0	161.92	17.46	154.21	17.33	146.50	17.21	140.40	17.09	130.60	16.97	124.07	16.66
	27.00	24.0	166.01	16.43	158.10	16.17	150.20	15.92	140.40	15.68	130.60	15.44	124.07	15.10
	32.00	29.0	166.01	15.40	158.10	15.02	150.20	14.64	140.40	14.27	130.60	13.91	124.07	13.54
	37.00	34.0	166.01	14.37	158.10	13.86	150.20	13.35	140.40	12.86	130.60	12.38	124.07	11.97
	42.00	38.0	166.01	13.35	158.10	12.70	150.20	12.07	140.40	11.45	130.60	10.85	124.07	10.41
	47.00	43.0	169.79	12.32	159.99	11.54	150.20	10.79	140.40	10.04	130.60	9.32	124.07	8.85
	52.00	47.0	169.79	11.41	159.99	10.71	150.20	10.02	140.40	9.34	130.60	8.68	124.07	8.24
	57.00	52.0	169.79	10.45	159.99	9.82	150.20	9.20	140.40	8.59	130.60	7.99	124.07	7.60
	62.00	56.0	169.79	9.79	159.99	9.21	150.20	8.63	140.40	8.07	130.60	7.52	124.07	7.16
	67.00	61.0	169.79	9.07	159.99	8.54	150.20	8.02	140.40	7.51	130.60	7.00	124.07	6.67
	72.00	66.0	169.79	8.45	159.99	7.96	150.20	7.49	140.40	7.02	130.60	6.55	124.07	6.25
	75.00	69.0	169.79	8.08	159.99	7.62	150.20	7.17	140.40	6.72	130.60	6.28	124.07	6.00

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	103.41	18.97	101.07	18.98	98.47	18.98	96.00	18.99	93.60	18.99	88.92	19.00
	2.00	1.0	110.49	18.86	106.89	18.86	103.10	18.86	99.41	18.87	95.78	18.87	90.99	18.87
	7.00	6.0	120.40	18.73	115.39	18.73	110.24	18.74	105.17	18.74	100.13	18.74	95.12	18.74
	12.00	10.0	130.73	18.63	124.20	18.63	117.60	18.63	111.03	18.63	104.48	18.64	99.26	18.04
	17.00	15.0	141.49	18.49	133.33	18.50	125.16	18.42	117.00	17.01	108.84	15.63	103.40	14.74
	22.00	20.0	141.49	17.10	133.33	17.00	125.16	16.84	117.00	15.56	108.84	14.32	103.40	13.52
	27.00	24.0	141.49	15.70	133.33	15.50	125.16	15.25	117.00	14.12	108.84	13.01	103.40	12.29
	32.00	29.0	141.49	14.31	133.33	14.01	125.16	13.67	117.00	12.67	108.84	11.70	103.40	11.07
	37.00	34.0	141.49	12.92	133.33	12.51	125.16	12.09	117.00	11.23	108.84	10.39	103.40	9.84
	42.00	38.0	141.49	11.52	133.33	11.02	125.16	10.51	117.00	9.79	108.84	9.08	103.40	8.62
	47.00	43.0	141.49	10.13	133.33	9.52	125.16	8.92	117.00	8.34	108.84	7.77	103.40	7.39
	52.00	47.0	141.49	9.41	133.33	8.86	125.16	8.32	117.00	7.78	108.84	7.26	103.40	6.91
	57.00	52.0	141.49	8.66	133.33	8.16	125.16	7.67	117.00	7.18	108.84	6.71	103.40	6.40
	62.00	56.0	141.49	8.13	133.33	7.67	125.16	7.22	117.00	6.77	108.84	6.33	103.40	6.04
	67.00	61.0	141.49	7.56	133.33	7.14	125.16	6.73	117.00	6.32	108.84	5.92	103.40	5.65
	72.00	66.0	141.49	7.07	133.33	6.68	125.16	6.30	117.00	5.93	108.84	5.56	103.40	5.31
	75.00	69.0	141.49	6.77	133.33	6.40	125.16	6.04	117.00	5.69	108.84	5.34	103.40	5.11

Tc: Total Capacity

PI: Power Input

Table 73 —38VMA240HDS5-1, 38VMA240HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	129.74	15.32	129.16	15.75	128.96	16.11	128.69	16.49	128.19	16.80	128.19	17.02
	2.00	1.0	140.11	16.54	139.52	16.87	139.04	17.17	138.53	17.45	138.39	17.66	138.11	17.82
	7.00	6.0	152.42	17.74	151.80	17.98	151.25	18.19	151.08	18.38	150.60	18.51	150.26	18.60
	12.00	10.0	162.36	18.99	161.74	19.13	161.14	19.23	160.94	19.29	160.51	19.35	160.12	19.38
	17.00	15.0	171.29	20.20	170.68	20.21	170.47	20.21	169.65	20.22	169.37	20.22	168.82	20.23
	22.00	20.0	187.49	20.08	186.85	20.09	186.64	20.09	185.79	20.10	185.51	20.10	184.94	20.11
	27.00	24.0	199.28	19.96	199.13	19.97	198.65	19.97	198.23	19.98	197.53	19.98	197.39	19.99
	32.00	29.0	213.73	19.85	213.35	19.85	213.00	19.85	212.38	19.86	211.87	19.86	211.53	19.87
	37.00	34.0	229.73	19.73	229.41	19.73	229.02	19.73	228.45	19.74	227.88	19.74	227.60	19.74
	42.00	38.0	266.75	19.61	266.47	19.61	266.00	19.62	259.34	19.62	258.67	19.62	258.43	19.62
	47.00	43.0	294.11	19.49	287.45	19.49	280.78	19.50	274.11	19.50	267.44	19.50	263.00	19.50
	52.00	47.0	305.93	19.37	299.27	19.37	292.60	19.38	285.93	19.38	279.26	19.38	274.82	19.38
	57.00	52.0	320.71	19.22	314.04	19.22	307.37	19.23	300.71	19.23	294.04	19.23	289.51	19.22
	62.00	56.0	332.53	19.10	325.86	19.10	319.19	19.11	312.53	19.11	304.74	18.99	289.51	17.87
	67.00	61.0	347.30	18.95	340.64	18.95	333.97	18.96	327.30	18.96	304.74	17.43	289.51	16.42
	72.00	66.0	362.08	18.80	355.41	18.80	348.74	18.80	327.60	17.50	304.74	16.09	289.51	15.17
	75.00	69.0	370.94	18.71	364.28	18.71	357.61	18.71	327.78	16.63	304.74	15.28	289.51	14.42
120	-3.00	-4.0	128.96	16.04	128.96	16.32	128.45	16.61	128.19	16.98	127.74	17.25	127.41	17.44
	2.00	1.0	139.32	17.06	139.01	17.30	138.37	17.52	138.11	17.84	137.59	18.02	137.31	18.16
	7.00	6.0	151.60	18.12	151.21	18.26	150.54	18.42	150.26	18.67	149.99	18.76	149.44	18.86
	12.00	10.0	161.53	19.22	161.09	19.26	160.79	19.32	160.12	19.46	159.84	19.50	159.29	19.54
	17.00	15.0	170.47	20.21	169.85	20.21	169.65	20.22	168.82	20.22	168.82	20.23	168.82	20.23
	22.00	20.0	186.64	20.09	186.00	20.09	185.79	20.10	184.94	20.10	184.94	20.11	184.94	20.11
	27.00	24.0	198.44	19.97	198.28	19.98	197.81	19.98	197.39	19.98	197.18	19.99	196.76	19.99
	32.00	29.0	212.89	19.85	212.51	19.86	212.16	19.86	211.53	19.86	211.42	19.87	211.20	19.87
	37.00	34.0	228.88	19.73	228.56	19.74	228.17	19.74	228.03	19.74	234.01	19.75	233.72	19.75
	42.00	38.0	252.87	19.61	252.61	19.62	252.16	19.62	251.99	19.62	245.83	19.63	245.49	19.63
	47.00	43.0	285.22	19.49	279.07	19.50	272.91	19.50	266.76	19.50	260.61	19.50	256.50	19.51
	52.00	47.0	297.04	19.37	290.89	19.38	284.74	19.38	278.58	19.38	272.43	19.38	267.24	19.25
	57.00	52.0	311.82	19.22	305.66	19.23	299.51	19.23	293.36	19.23	281.30	18.58	267.24	17.49
	62.00	56.0	323.64	19.10	317.48	19.11	311.33	19.11	302.40	18.82	281.30	17.28	267.24	16.28
	67.00	61.0	338.41	18.95	332.26	18.96	323.50	18.70	302.40	17.27	281.30	15.88	267.24	14.98
	72.00	66.0	353.19	18.80	344.60	18.58	323.50	17.24	302.40	15.94	281.30	14.68	267.24	13.86
	75.00	69.0	362.05	18.71	352.00	18.36	323.50	16.37	302.40	15.15	281.30	13.96	267.24	13.18
110	-3.00	-4.0	128.19	16.53	128.19	16.87	127.67	17.11	127.41	17.39	127.15	17.63	126.63	17.75
	2.00	1.0	138.53	17.48	138.21	17.71	137.86	17.91	137.31	18.10	137.19	18.32	136.94	18.39
	7.00	6.0	150.77	18.39	150.39	18.56	150.06	18.69	149.44	18.81	149.34	18.95	149.13	18.98
	12.00	10.0	160.71	19.29	160.26	19.42	159.96	19.48	159.88	19.51	159.21	19.60	159.05	19.58
	17.00	15.0	169.65	20.22	169.65	20.22	169.10	20.23	168.82	20.23	168.00	20.23	168.00	20.24
	22.00	20.0	185.79	20.10	185.15	20.10	184.94	20.11	184.94	20.11	184.09	20.11	184.09	20.01
	27.00	24.0	198.23	19.98	197.76	19.98	197.46	19.98	196.76	19.99	196.33	19.99	195.91	19.78
	32.00	29.0	212.38	19.86	212.13	19.86	211.70	19.86	211.20	19.87	210.69	19.87	210.69	19.55
	37.00	34.0	228.45	19.74	228.13	19.74	227.74	19.74	227.17	19.75	226.32	19.75	225.46	19.32
	42.00	38.0	246.01	19.62	245.63	19.62	245.27	19.62	244.63	19.63	238.99	19.63	232.79	19.08
	47.00	43.0	276.33	19.50	270.69	19.50	265.05	19.50	259.41	19.50	253.77	19.51	244.97	18.85
	52.00	47.0	288.15	19.38	282.51	19.38	276.87	19.38	271.23	19.38	257.86	18.45	244.97	17.37
	57.00	52.0	302.93	19.23	297.29	19.23	291.65	19.23	277.20	18.26	257.86	16.77	244.97	15.81
	62.00	56.0	314.75	19.11	309.11	19.11	296.54	18.39	277.20	16.99	257.86	15.62	244.97	14.74
	67.00	61.0	329.52	18.96	315.88	18.18	296.54	16.88	277.20	15.61	257.86	14.38	244.97	13.58
	72.00	66.0	335.22	17.98	315.88	16.77	296.54	15.59	277.20	14.44	257.86	13.32	244.97	12.59
	75.00	69.0	338.64	17.40	315.88	15.92	296.54	14.81	277.20	13.73	257.86	12.68	244.97	11.99
100	-3.00	-4.0	127.91	17.13	127.54	17.34	127.41	17.52	126.63	17.79	126.63	17.98	126.63	18.87
	2.00	1.0	137.73	17.93	137.42	18.07	137.31	18.18	136.94	18.42	136.52	18.54	136.52	19.47
	7.00	6.0	150.26	18.70	149.65	18.79	149.44	18.87	149.13	19.06	148.62	19.12	148.62	20.08
	12.00	10.0	160.12	19.48	159.94	19.50	159.49	19.54	159.05	19.66	158.86	19.69	158.46	20.67
	17.00	15.0	168.82	20.22	168.82	20.23	168.27	20.23	168.00	20.24	167.73	20.24	167.18	20.24
	22.00	20.0	184.94	20.10	184.94	20.11	184.38	20.11	184.09	20.11	183.81	19.85	183.25	19.68
	27.00	24.0	197.39	19.98	196.91	19.99	196.62	19.99	195.91	19.99	195.84	19.46	195.70	19.12
	32.00	29.0	211.53	19.86	211.28	19.87	210.86	19.87	210.69	19.87	208.83	19.07	205.78	18.55
	37.00	34.0	227.60	19.74	227.28	19.74	226.89	19.75	225.46	19.75	216.92	18.68	209.24	17.99
	42.00	38.0	249.76	19.62	249.37	19.62	245.49	19.63	237.28	19.62	224.10	18.29	215.31	17.42
	47.00	43.0	274.33	19.50	268.24	19.50	257.19	19.51	252.00	19.50	234.42	17.90	222.70	16.86
	52.00	47.0	287.84	19.38	274.14	19.38	269.01	19.39	252.00	17.96	234.42	16.51	222.70	15.57
	57.00	52.0	294.04	19.23	287.16	19.04	269.58	17.67	252.00	16.33	234.42	15.04	222.70	14.19
	62.00	56.0	304.74	18.99	287.16	17.70	269.58	16.44	252.00	15.22	234.42	14.03	222.70	13.25
	67.00	61.0	304.74	17.43	287.16	16.26	269.58	15.12	252.00	14.02	234.42	12.94	222.70	12.23
	72.00	66.0	304.74	16.09	287.16	15.03	269.58	13.99	252.00	12.98	234.42	12.00	222.70	11.36
	75.00	69.0	304.74	15.28	287.16	14.28	269.58	13.31	252.00	12.36	234.42	11.43	222.70	10.83

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	126.14	18.85	125.56	19.07	125.37	19.27	125.37	19.57	124.60	19.77	124.60	20.76
	2.00	1.0	133.60	19.72	133.32	19.87	132.96	20.00	132.83	20.27	132.32	20.40	132.05	21.42
	7.00	6.0	143.96	20.48	143.74	20.48	143.33	20.49	143.17	20.49	142.71	20.50	142.38	20.50
	12.00	10.0	153.49	20.37	153.32	20.38	152.88	20.38	152.69	20.38	152.27	20.39	151.90	20.39
	17.00	15.0	163.76	20.23	163.76	20.23	163.76	20.24	162.96	20.24	162.96	20.25	162.96	20.25
	22.00	20.0	172.00	20.11	172.00	20.11	171.47	19.97	171.21	19.74	172.13	19.51	169.05	19.36
	27.00	24.0	181.02	19.99	180.58	19.99	180.43	19.71	180.24	19.24	183.95	18.78	180.87	18.48
	32.00	29.0	208.87	19.87	208.62	19.87	207.42	19.44	203.34	18.73	198.72	18.04	195.65	17.60
	37.00	34.0	238.31	19.75	235.28	19.75	228.88	19.17	218.11	18.23	210.98	17.31	200.43	16.71
	42.00	38.0	260.40	19.63	250.60	19.63	239.24	18.91	226.80	17.73	210.98	16.58	200.43	15.83
	47.00	43.0	266.66	19.51	253.94	19.51	242.62	18.64	226.80	17.22	210.98	15.84	200.43	14.95
	52.00	47.0	270.38	19.38	258.45	18.50	242.62	17.18	226.80	15.89	210.98	14.64	200.43	13.83
	57.00	52.0	274.27	18.03	258.45	16.82	242.62	15.64	226.80	14.49	210.98	13.37	200.43	12.64
	62.00	56.0	274.27	16.78	258.45	15.66	242.62	14.58	226.80	13.52	210.98	12.49	200.43	11.82
	67.00	61.0	274.27	15.43	258.45	14.42	242.62	13.44	226.80	12.48	210.98	11.54	200.43	10.93
	72.00	66.0	274.27	14.26	258.45	13.35	242.62	12.45	226.80	11.58	210.98	10.73	200.43	10.17
	75.00	69.0	274.27	13.57	258.45	12.71	242.62	11.86	226.80	11.04	210.98	10.24	200.43	9.71
80	-3.00	-4.0	124.88	20.73	124.31	20.98	124.11	21.20	124.11	21.53	123.86	21.75	123.35	20.77
	2.00	1.0	129.60	21.69	129.33	21.86	128.97	22.00	128.84	22.29	128.72	22.44	128.48	20.65
	7.00	6.0	138.20	20.49	137.99	20.49	137.60	20.50	137.44	20.50	137.34	20.51	137.15	20.51
	12.00	10.0	150.42	20.38	150.25	20.38	150.20	20.39	149.64	20.39	149.56	20.40	149.41	20.40
	17.00	15.0	162.13	20.24	161.53	20.24	161.33	20.24	161.33	20.25	158.95	20.25	158.88	20.25
	22.00	20.0	170.18	19.99	170.18	19.78	170.18	19.58	169.39	19.38	160.73	19.19	154.42	19.06
	27.00	24.0	195.05	19.74	193.95	19.32	189.81	18.91	181.21	18.51	177.11	18.13	170.16	17.87
	32.00	29.0	223.75	19.49	216.54	18.86	206.88	18.25	195.99	17.65	187.53	17.06	178.16	16.68
	37.00	34.0	235.20	19.24	224.00	18.40	212.80	17.58	201.60	16.78	187.53	16.00	178.16	15.49
	42.00	38.0	235.20	19.00	224.00	17.94	212.80	16.91	201.60	15.91	187.53	14.94	178.16	14.30
	47.00	43.0	235.20	18.75	224.00	17.48	212.80	16.25	201.60	15.05	187.53	13.88	178.16	13.11
	52.00	47.0	235.20	17.28	224.00	16.13	212.80	15.01	201.60	13.92	187.53	12.85	178.16	12.16
	57.00	52.0	235.20	15.72	224.00	14.70	212.80	13.69	201.60	12.72	187.53	11.76	178.16	11.14
	62.00	56.0	235.20	14.66	224.00	13.72	212.80	12.79	201.60	11.89	187.53	11.01	178.16	10.44
	67.00	61.0	235.20	13.51	224.00	12.65	212.80	11.82	201.60	11.00	187.53	10.20	178.16	9.68
	72.00	66.0	235.20	12.52	224.00	11.74	212.80	10.98	201.60	10.23	187.53	9.50	178.16	9.02
	75.00	69.0	235.20	11.93	224.00	11.19	212.80	10.47	201.60	9.77	187.53	9.08	178.16	8.63
70	-3.00	-4.0	123.64	20.75	123.64	20.76	123.13	20.76	122.87	20.77	122.87	20.78	122.87	20.78
	2.00	1.0	128.31	20.63	128.31	20.64	128.07	20.64	127.55	20.65	127.03	20.65	127.24	20.66
	7.00	6.0	136.83	20.50	136.83	20.50	136.64	20.51	136.07	20.51	133.91	20.52	133.36	20.52
	12.00	10.0	150.62	20.39	150.62	20.39	150.47	20.40	148.14	20.40	141.11	20.40	139.92	20.40
	17.00	15.0	168.08	20.25	167.46	20.25	163.94	20.25	156.49	20.25	147.93	20.26	146.69	20.26
	22.00	20.0	185.19	19.55	178.76	19.37	170.90	19.20	162.04	19.04	158.45	18.88	155.89	18.78
	27.00	24.0	202.38	18.85	192.72	18.50	183.37	18.16	173.86	17.83	164.09	17.50	155.89	17.29
	32.00	29.0	205.33	18.15	195.53	17.62	186.04	17.11	176.40	16.61	164.09	16.13	155.89	15.81
	37.00	34.0	205.33	17.45	195.53	16.75	186.04	16.07	176.40	15.40	164.09	14.75	155.89	14.33
	42.00	38.0	205.33	16.75	195.53	15.87	186.04	15.02	176.40	14.19	164.09	13.38	155.89	12.85
	47.00	43.0	205.33	16.05	195.53	15.00	186.04	13.97	176.40	12.97	164.09	12.00	155.89	11.36
	52.00	47.0	205.33	14.82	195.53	13.87	186.04	12.94	176.40	12.03	164.09	11.14	155.89	10.56
	57.00	52.0	205.33	13.53	195.53	12.68	186.04	11.84	176.40	11.02	164.09	10.23	155.89	9.70
	62.00	56.0	205.33	12.64	195.53	11.86	186.04	11.09	176.40	10.33	164.09	9.60	155.89	9.11
	67.00	61.0	205.33	11.68	195.53	10.97	186.04	10.27	176.40	9.58	164.09	8.91	155.89	8.47
	72.00	66.0	205.33	10.85	195.53	10.20	186.04	9.56	176.40	8.93	164.09	8.32	155.89	7.91
	75.00	69.0	205.33	10.35	195.53	9.74	186.04	9.13	176.40	8.54	164.09	7.96	155.89	7.58
60	-3.00	-4.0	117.74	20.77	115.42	20.77	112.82	20.78	110.36	20.79	107.86	20.79	106.94	20.80
	2.00	1.0	127.71	20.64	124.15	20.65	120.38	20.65	116.71	20.66	112.88	20.66	111.47	20.67
	7.00	6.0	141.08	20.51	136.12	20.51	131.01	20.52	125.97	20.52	120.64	20.52	118.67	20.53
	12.00	10.0	155.11	20.40	148.64	20.40	142.09	20.40	135.58	20.41	128.62	20.41	126.05	20.41
	17.00	15.0	169.79	20.25	161.71	20.26	153.62	20.26	145.54	20.26	136.84	20.26	133.62	19.97
	22.00	20.0	174.37	19.13	166.07	18.99	157.77	18.85	151.20	18.72	140.65	18.59	133.62	18.26
	27.00	24.0	178.78	18.00	170.26	17.72	161.75	17.44	151.20	17.17	140.65	16.91	133.62	16.54
	32.00	29.0	178.78	16.87	170.26	16.45	161.75	16.04	151.20	15.63	140.65	15.24	133.62	14.83
	37.00	34.0	178.78	15.75	170.26	15.18	161.75	14.63	151.20	14.09	140.65	13.56	133.62	13.12
	42.00	38.0	178.78	14.62	170.26	13.91	161.75	13.22	151.20	12.55	140.65	11.89	133.62	11.40
	47.00	43.0	182.85	13.49	172.30	12.65	161.75	11.82	151.20	11.00	140.65	10.21	133.62	9.69
	52.00	47.0	182.85	12.50	172.30	11.73	161.75	10.97	151.20	10.23	140.65	9.51	133.62	9.03
	57.00	52.0	182.85	11.45	172.30	10.76	161.75	10.08	151.20	9.41	140.65	8.76	133.62	8.33
	62.00	56.0	182.85	10.73	172.30	10.09	161.75	9.46	151.20	8.84	140.65	8.24	133.62	7.84
	67.00	61.0	182.85	9.94	172.30	9.36	161.75	8.78	151.20	8.22	140.65	7.67	133.62	7.31
	72.00	66.0	182.85	9.26	172.30	8.72	161.75	8.20	151.20	7.69	140.65	7.18	133.62	6.85
	75.00	69.0	182.85	8.85	172.30	8.35	161.75	7.85	151.20	7.36	140.65	6.88	133.62	6.57

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	111.36	20.79	108.84	20.79	106.04	20.80	103.38	20.80	100.80	20.81	95.76	20.81
	2.00	1.0	118.99	20.66	115.12	20.66	111.04	20.67	107.06	20.67	103.14	20.67	97.99	20.68
	7.00	6.0	129.66	20.52	124.27	20.52	118.72	20.53	113.26	20.53	107.83	20.53	102.44	20.53
	12.00	10.0	140.79	20.41	133.75	20.41	126.64	20.41	119.57	20.41	112.52	20.42	106.89	19.77
	17.00	15.0	152.38	20.26	143.58	20.26	134.79	20.18	126.00	18.63	117.21	17.13	111.35	16.15
	22.00	20.0	152.37	18.73	143.58	18.62	134.79	18.44	126.00	17.05	117.21	15.69	111.35	14.81
	27.00	24.0	152.37	17.20	143.58	16.98	134.79	16.71	126.00	15.47	117.21	14.25	111.35	13.47
	32.00	29.0	152.37	15.68	143.58	15.35	134.79	14.98	126.00	13.88	117.21	12.82	111.35	12.12
	37.00	34.0	152.37	14.15	143.58	13.71	134.79	13.24	126.00	12.30	117.21	11.38	111.35	10.78
	42.00	38.0	152.37	12.62	143.58	12.07	134.79	11.51	126.00	10.72	117.21	9.95	111.35	9.44
	47.00	43.0	152.37	11.09	143.58	10.43	134.79	9.78	126.00	9.14	117.21	8.51	111.35	8.10
	52.00	47.0	152.37	10.31	143.58	9.71	134.79	9.11	126.00	8.53	117.21	7.95	111.35	7.57
	57.00	52.0	152.37	9.48	143.58	8.94	134.79	8.40	126.00	7.87	117.21	7.35	111.35	7.01
	62.00	56.0	152.37	8.91	143.58	8.40	134.79	7.91	126.00	7.42	117.21	6.94	111.35	6.62
	67.00	61.0	152.37	8.28	143.58	7.82	134.79	7.37	126.00	6.92	117.21	6.48	111.35	6.19
	72.00	66.0	152.37	7.74	143.58	7.32	134.79	6.90	126.00	6.49	117.21	6.09	111.35	5.82
	75.00	69.0	152.37	7.42	143.58	7.02	134.79	6.62	126.00	6.23	117.21	5.85	111.35	5.60

Tc: Total Capacity

PI: Power Input

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CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	147.25	18.70	146.58	19.22	146.36	19.66	146.05	20.13	145.48	20.51	145.48	20.78
	2.00	1.0	159.02	20.19	158.34	20.59	157.80	20.96	157.21	21.30	157.06	21.55	156.74	21.75
	7.00	6.0	172.98	21.65	172.28	21.95	171.66	22.21	171.47	22.43	170.92	22.59	170.53	22.70
	12.00	10.0	184.27	23.18	183.56	23.35	182.88	23.47	182.66	23.54	182.17	23.62	181.72	23.65
	17.00	15.0	194.41	24.66	193.70	24.66	193.47	24.67	192.54	24.68	192.22	24.68	191.60	24.69
	22.00	20.0	212.78	24.51	212.06	24.52	211.82	24.52	210.86	24.53	210.54	24.54	209.89	24.54
	27.00	24.0	226.17	24.37	225.99	24.37	225.45	24.38	224.98	24.38	224.18	24.39	224.02	24.39
	32.00	29.0	242.57	24.22	242.14	24.23	241.74	24.23	241.04	24.24	240.46	24.24	240.08	24.25
	37.00	34.0	260.73	24.08	260.37	24.08	259.92	24.09	259.28	24.09	258.63	24.10	258.31	24.10
	42.00	38.0	302.74	23.93	302.42	23.94	301.89	23.94	294.33	23.94	293.57	23.95	293.29	23.95
	47.00	43.0	333.79	23.79	326.23	23.79	318.66	23.79	311.09	23.80	303.53	23.80	298.48	23.80
	52.00	47.0	347.21	23.64	339.64	23.65	332.08	23.65	324.51	23.65	316.94	23.66	311.90	23.66
	57.00	52.0	363.98	23.46	356.41	23.46	348.84	23.47	341.28	23.47	333.71	23.47	328.57	23.46
	62.00	56.0	377.39	23.31	369.83	23.32	362.26	23.32	354.69	23.32	345.86	23.18	328.57	21.81
	67.00	61.0	394.16	23.13	386.60	23.13	379.03	23.14	371.46	23.14	345.86	21.27	328.57	20.04
	72.00	66.0	410.93	22.95	403.36	22.95	395.80	22.95	371.80	21.36	345.86	19.63	328.57	18.51
	75.00	69.0	420.99	22.84	413.42	22.84	405.86	22.84	372.00	20.30	345.86	18.65	328.57	17.60
120	-3.00	-4.0	146.36	19.58	146.36	19.92	145.78	20.27	145.48	20.72	144.98	21.05	144.60	21.29
	2.00	1.0	158.12	20.82	157.76	21.12	157.04	21.38	156.74	21.77	156.16	21.99	155.84	22.16
	7.00	6.0	172.05	22.12	171.61	22.28	170.85	22.48	170.53	22.79	170.22	22.90	169.60	23.02
	12.00	10.0	183.33	23.46	182.83	23.51	182.48	23.58	181.72	23.76	181.41	23.80	180.78	23.85
	17.00	15.0	193.47	24.67	192.77	24.67	192.54	24.68	191.60	24.68	191.60	24.69	191.60	24.69
	22.00	20.0	211.82	24.52	211.10	24.53	210.86	24.53	209.89	24.54	209.89	24.54	209.89	24.55
	27.00	24.0	225.22	24.37	225.04	24.38	224.50	24.38	224.02	24.39	223.78	24.40	223.30	24.40
	32.00	29.0	241.61	24.23	241.18	24.23	240.78	24.24	240.08	24.24	239.95	24.25	239.69	24.25
	37.00	34.0	259.76	24.08	259.40	24.09	258.95	24.09	258.79	24.10	265.58	24.10	265.25	24.10
	42.00	38.0	286.99	23.94	286.69	23.94	286.18	23.95	285.98	23.95	279.00	23.95	278.61	23.95
	47.00	43.0	323.71	23.79	316.72	23.80	309.74	23.80	302.75	23.80	295.77	23.81	291.11	23.81
	52.00	47.0	337.12	23.65	330.14	23.65	323.15	23.65	316.17	23.66	309.18	23.66	303.29	23.50
	57.00	52.0	353.89	23.46	346.90	23.47	339.92	23.47	332.94	23.47	319.26	22.67	303.29	21.34
	62.00	56.0	367.30	23.32	360.32	23.32	353.34	23.32	343.20	22.97	319.26	21.09	303.29	19.87
	67.00	61.0	384.07	23.13	377.09	23.14	367.14	22.83	343.20	21.08	319.26	19.38	303.29	18.28
	72.00	66.0	400.84	22.95	391.09	22.68	367.14	21.05	343.20	19.46	319.26	17.92	303.29	16.91
	75.00	69.0	410.90	22.84	399.49	22.41	367.14	19.98	343.20	18.49	319.26	17.04	303.29	16.09
110	-3.00	-4.0	145.48	20.17	145.48	20.59	144.90	20.89	144.60	21.23	144.31	21.52	143.72	21.66
	2.00	1.0	157.21	21.33	156.86	21.62	156.46	21.85	155.84	22.09	155.70	22.35	155.41	22.44
	7.00	6.0	171.12	22.45	170.68	22.65	170.30	22.81	169.60	22.96	169.49	23.13	169.25	23.16
	12.00	10.0	182.39	23.55	181.89	23.70	181.54	23.78	181.45	23.81	180.69	23.92	180.51	23.89
	17.00	15.0	192.54	24.67	192.54	24.68	191.91	24.69	191.60	24.69	190.67	24.70	190.67	24.70
	22.00	20.0	210.86	24.53	210.13	24.53	209.89	24.54	209.89	24.54	208.93	24.55	208.93	24.42
	27.00	24.0	224.98	24.38	224.44	24.39	224.10	24.39	223.30	24.40	222.82	24.40	222.35	24.14
	32.00	29.0	241.04	24.24	240.75	24.24	240.27	24.24	239.69	24.25	239.11	24.25	239.11	23.86
	37.00	34.0	259.28	24.09	258.91	24.09	258.47	24.10	257.82	24.10	256.85	24.10	255.88	23.57
	42.00	38.0	279.21	23.94	278.77	23.95	278.36	23.95	277.64	23.95	271.24	23.96	264.19	23.29
	47.00	43.0	313.62	23.80	307.21	23.80	300.81	23.80	294.41	23.81	288.01	23.81	278.02	23.01
	52.00	47.0	327.03	23.65	320.63	23.65	314.23	23.66	307.82	23.66	292.65	22.52	278.02	21.21
	57.00	52.0	343.80	23.47	337.40	23.47	331.00	23.47	314.60	22.28	292.65	20.47	278.02	19.30
	62.00	56.0	357.22	23.32	350.81	23.32	336.55	22.44	314.60	20.73	292.65	19.07	278.02	17.99
	67.00	61.0	373.98	23.14	358.50	22.19	336.55	20.60	314.60	19.06	292.65	17.55	278.02	16.58
	72.00	66.0	380.45	21.95	358.50	20.47	336.55	19.03	314.60	17.62	292.65	16.25	278.02	15.36
	75.00	69.0	384.32	21.24	358.50	19.44	336.55	18.08	314.60	16.76	292.65	15.47	278.02	14.63
100	-3.00	-4.0	145.17	20.91	144.74	21.16	144.60	21.38	143.72	21.72	143.72	21.94	143.72	23.04
	2.00	1.0	156.31	21.88	155.96	22.05	155.84	22.19	155.41	22.49	154.94	22.63	154.94	23.77
	7.00	6.0	170.53	22.82	169.84	22.93	169.60	23.03	169.25	23.26	168.67	23.34	168.67	24.51
	12.00	10.0	181.72	23.77	181.52	23.80	181.00	23.85	180.51	24.00	180.29	24.03	179.84	25.23
	17.00	15.0	191.60	24.68	191.60	24.69	190.98	24.69	190.67	24.70	190.36	24.70	189.73	24.71
	22.00	20.0	209.89	24.54	209.89	24.54	209.25	24.55	208.93	24.55	208.61	24.23	207.97	24.02
	27.00	24.0	224.02	24.39	223.48	24.39	223.14	24.40	222.35	24.40	222.27	23.75	222.11	23.33
	32.00	29.0	240.08	24.24	239.79	24.25	239.31	24.25	239.11	24.25	237.00	23.28	233.55	22.64
	37.00	34.0	258.31	24.10	257.94	24.10	257.50	24.10	255.88	24.10	246.19	22.80	237.47	21.95
	42.00	38.0	283.46	23.95	283.01	23.95	278.61	23.95	269.30	23.95	254.34	22.32	244.36	21.27
	47.00	43.0	311.35	23.80	304.43	23.80	291.89	23.81	286.00	23.80	266.05	21.85	252.74	20.58
	52.00	47.0	326.68	23.66	311.12	23.66	305.30	23.66	286.00	21.92	266.05	20.15	252.74	19.00
	57.00	52.0	333.71	23.47	325.91	23.23	305.95	21.56	286.00	19.93	266.05	18.35	252.74	17.32
	62.00	56.0	345.86	23.18	325.91	21.61	305.95	20.07	286.00	18.58	266.05	17.12	252.74	16.18
	67.00	61.0	345.86	21.27	325.91	19.85	305.95	18.46	286.00	17.11	266.05	15.79	252.74	14.93
	72.00	66.0	345.86	19.63	325.91	18.34	305.95	17.08	286.00	15.85	266.05	14.64	252.74	13.86
	75.00	69.0	345.86	18.65	325.91	17.43	305.95	16.25	286.00	15.09	266.05	13.96	252.74	13.22

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	143.16	23.00	142.50	23.28	142.28	23.52	142.28	23.89	141.41	24.13	141.41	25.34
	2.00	1.0	151.63	24.07	151.31	24.26	150.90	24.41	150.75	24.73	150.18	24.90	149.87	26.14
	7.00	6.0	163.38	24.99	163.13	25.00	162.67	25.01	162.48	25.01	161.96	25.02	161.59	25.02
	12.00	10.0	174.20	24.86	174.00	24.87	173.51	24.87	173.29	24.88	172.82	24.88	172.39	24.89
	17.00	15.0	185.86	24.69	185.86	24.70	185.86	24.70	184.95	24.71	184.95	24.71	184.95	24.71
	22.00	20.0	195.21	24.54	195.21	24.55	194.61	24.38	194.31	24.09	195.35	23.81	191.86	23.64
	27.00	24.0	205.44	24.40	204.94	24.40	204.78	24.05	204.56	23.48	208.77	22.92	205.27	22.56
	32.00	29.0	237.06	24.25	236.77	24.25	235.41	23.73	230.77	22.86	225.53	22.02	222.04	21.48
	37.00	34.0	270.46	24.10	267.02	24.10	259.77	23.40	247.54	22.25	239.44	21.13	227.47	20.40
	42.00	38.0	295.53	23.95	284.41	23.96	271.52	23.08	257.40	21.63	239.44	20.23	227.47	19.32
	47.00	43.0	302.64	23.81	288.20	23.81	275.36	22.75	257.40	21.02	239.44	19.34	227.47	18.24
	52.00	47.0	306.85	23.66	293.32	22.58	275.36	20.97	257.40	19.40	239.44	17.87	227.47	16.88
	57.00	52.0	311.27	22.00	293.32	20.53	275.36	19.08	257.40	17.68	239.44	16.31	227.47	15.42
	62.00	56.0	311.27	20.48	293.32	19.12	275.36	17.80	257.40	16.50	239.44	15.25	227.47	14.43
	67.00	61.0	311.27	18.83	293.32	17.60	275.36	16.40	257.40	15.23	239.44	14.09	227.47	13.34
	72.00	66.0	311.27	17.41	293.32	16.29	275.36	15.20	257.40	14.13	239.44	13.09	227.47	12.41
	75.00	69.0	311.27	16.56	293.32	15.51	275.36	14.48	257.40	13.48	239.44	12.49	227.47	11.85
80	-3.00	-4.0	141.73	25.30	141.08	25.61	140.86	25.87	140.86	26.28	140.57	26.55	139.99	25.35
	2.00	1.0	147.08	26.48	146.78	26.68	146.38	26.85	146.23	27.21	146.09	27.39	145.82	25.20
	7.00	6.0	156.85	25.01	156.61	25.01	156.16	25.02	155.98	25.02	155.88	25.03	155.66	25.03
	12.00	10.0	170.72	24.87	170.53	24.88	170.46	24.88	169.83	24.89	169.74	24.89	169.57	24.90
	17.00	15.0	184.00	24.70	183.32	24.71	183.10	24.71	183.10	24.71	180.39	24.72	180.32	24.72
	22.00	20.0	193.14	24.40	193.14	24.14	193.14	23.90	192.25	23.65	182.41	23.42	175.26	23.27
	27.00	24.0	221.37	24.09	220.12	23.58	215.42	23.08	205.66	22.60	201.00	22.12	193.12	21.82
	32.00	29.0	253.94	23.79	245.75	23.02	234.79	22.27	222.43	21.54	212.84	20.83	202.20	20.36
	37.00	34.0	266.93	23.49	254.22	22.46	241.51	21.46	228.80	20.48	212.84	19.53	202.20	18.91
	42.00	38.0	266.93	23.18	254.22	21.90	241.51	20.64	228.80	19.42	212.84	18.23	202.20	17.46
	47.00	43.0	266.93	22.88	254.22	21.34	241.51	19.83	228.80	18.36	212.84	16.94	202.20	16.01
	52.00	47.0	266.93	21.09	254.22	19.69	241.51	18.32	228.80	16.98	212.84	15.69	202.20	14.84
	57.00	52.0	266.93	19.19	254.22	17.94	241.51	16.71	228.80	15.52	212.84	14.36	202.20	13.60
	62.00	56.0	266.93	17.89	254.22	16.74	241.51	15.62	228.80	14.52	212.84	13.44	202.20	12.74
	67.00	61.0	266.93	16.49	254.22	15.45	241.51	14.42	228.80	13.43	212.84	12.45	202.20	11.81
	72.00	66.0	266.93	15.28	254.22	14.33	241.51	13.40	228.80	12.49	212.84	11.59	202.20	11.01
	75.00	69.0	266.93	14.56	254.22	13.66	241.51	12.78	228.80	11.92	212.84	11.08	202.20	10.53
70	-3.00	-4.0	140.32	25.32	140.32	25.33	139.74	25.34	139.45	25.35	139.45	25.36	139.45	25.37
	2.00	1.0	145.62	25.18	145.62	25.19	145.35	25.19	144.76	25.20	144.17	25.21	144.41	25.21
	7.00	6.0	155.29	25.02	155.29	25.02	155.07	25.03	154.42	25.03	151.98	25.04	151.35	25.04
	12.00	10.0	170.95	24.88	170.95	24.89	170.78	24.89	168.13	24.90	160.15	24.90	158.80	24.90
	17.00	15.0	190.76	24.71	190.06	24.71	186.06	24.72	177.60	24.72	167.89	24.72	166.48	24.73
	22.00	20.0	210.18	23.86	202.88	23.65	193.96	23.44	183.90	23.24	179.83	23.04	176.92	22.92
	27.00	24.0	229.68	23.00	218.72	22.58	208.11	22.16	197.32	21.76	186.23	21.36	176.92	21.11
	32.00	29.0	233.04	22.15	221.91	21.51	211.15	20.89	200.20	20.28	186.23	19.68	176.92	19.30
	37.00	34.0	233.04	21.29	221.91	20.44	211.15	19.61	200.20	18.80	186.23	18.00	176.92	17.49
	42.00	38.0	233.04	20.44	221.91	19.37	211.15	18.33	200.20	17.32	186.23	16.32	176.92	15.68
	47.00	43.0	233.04	19.58	221.91	18.30	211.15	17.05	200.20	15.83	186.23	14.64	176.92	13.87
	52.00	47.0	233.04	18.09	221.91	16.93	211.15	15.79	200.20	14.68	186.23	13.60	176.92	12.89
	57.00	52.0	233.04	16.51	221.91	15.47	211.15	14.45	200.20	13.46	186.23	12.48	176.92	11.84
	62.00	56.0	233.04	15.43	221.91	14.47	211.15	13.53	200.20	12.61	186.23	11.71	176.92	11.12
	67.00	61.0	233.04	14.26	221.91	13.39	211.15	12.53	200.20	11.69	186.23	10.87	176.92	10.34
	72.00	66.0	233.04	13.24	221.91	12.45	211.15	11.67	200.20	10.90	186.23	10.15	176.92	9.66
	75.00	69.0	233.04	12.64	221.91	11.89	211.15	11.15	200.20	10.42	186.23	9.71	176.92	9.25
60	-3.00	-4.0	133.62	25.35	130.99	25.35	128.04	25.36	125.25	25.37	122.42	25.38	121.37	25.38
	2.00	1.0	144.94	25.20	140.90	25.20	136.62	25.21	132.46	25.21	128.11	25.22	126.51	25.22
	7.00	6.0	160.11	25.03	154.49	25.04	148.69	25.04	142.97	25.04	136.92	25.05	134.68	25.05
	12.00	10.0	176.03	24.89	168.69	24.90	161.26	24.90	153.88	24.91	145.98	24.91	143.06	24.91
	17.00	15.0	192.70	24.72	183.52	24.72	174.35	24.72	165.17	24.73	155.30	24.73	151.65	24.37
	22.00	20.0	197.90	23.34	188.48	23.17	179.05	23.01	171.60	22.84	159.63	22.69	151.65	22.28
	27.00	24.0	202.90	21.97	193.23	21.63	183.57	21.29	171.60	20.96	159.63	20.64	151.65	20.19
	32.00	29.0	202.90	20.59	193.23	20.08	183.57	19.57	171.60	19.08	159.63	18.60	151.65	18.10
	37.00	34.0	202.90	19.22	193.23	18.53	183.57	17.86	171.60	17.20	159.63	16.55	151.65	16.01
	42.00	38.0	202.90	17.84	193.23	16.98	183.57	16.14	171.60	15.31	159.63	14.51	151.65	13.92
	47.00	43.0	207.52	16.47	195.54	15.43	183.57	14.42	171.60	13.43	159.63	12.46	151.65	11.83
	52.00	47.0	207.52	15.26	195.54	14.32	183.57	13.39	171.60	12.49	159.63	11.60	151.65	11.02
	57.00	52.0	207.52	13.97	195.54	13.13	183.57	12.30	171.60	11.48	159.63	10.69	151.65	10.16
	62.00	56.0	207.52	13.09	195.54	12.31	183.57	11.54	171.60	10.79	159.63	10.05	151.65	9.57
	67.00	61.0	207.52	12.13	195.54	11.42	183.57	10.72	171.60	10.03	159.63	9.36	151.65	8.92
	72.00	66.0	207.52	11.30	195.54	10.65	183.57	10.01	171.60	9.38	159.63	8.76	151.65	8.36
	75.00	69.0	207.52	10.80	195.54	10.19	183.57	9.58	171.60	8.99	159.63	8.40	151.65	8.02

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	126.39	25.37	123.53	25.37	120.35	25.38	117.33	25.39	114.40	25.39	108.68	25.40
	2.00	1.0	135.04	25.21	130.65	25.22	126.02	25.22	121.51	25.23	117.06	25.23	111.21	25.23
	7.00	6.0	147.15	25.04	141.03	25.05	134.74	25.05	128.54	25.05	122.38	25.06	116.26	25.06
	12.00	10.0	159.78	24.90	151.80	24.91	143.73	24.91	135.70	24.91	127.70	24.92	121.32	24.13
	17.00	15.0	172.93	24.73	162.95	24.73	152.98	24.63	143.00	22.74	133.02	20.90	126.37	19.71
	22.00	20.0	172.93	22.86	162.95	22.73	152.98	22.51	143.00	20.81	133.02	19.15	126.37	18.07
	27.00	24.0	172.93	21.00	162.95	20.73	152.98	20.40	143.00	18.88	133.02	17.40	126.37	16.44
	32.00	29.0	172.93	19.13	162.95	18.73	152.98	18.28	143.00	16.95	133.02	15.65	126.37	14.80
	37.00	34.0	172.93	17.27	162.95	16.73	152.98	16.16	143.00	15.01	133.02	13.89	126.37	13.16
	42.00	38.0	172.93	15.40	162.95	14.73	152.98	14.05	143.00	13.08	133.02	12.14	126.37	11.52
	47.00	43.0	172.93	13.54	162.95	12.73	152.98	11.93	143.00	11.15	133.02	10.39	126.37	9.89
	52.00	47.0	172.93	12.59	162.95	11.85	152.98	11.12	143.00	10.41	133.02	9.70	126.37	9.24
	57.00	52.0	172.93	11.57	162.95	10.91	152.98	10.25	143.00	9.61	133.02	8.97	126.37	8.56
	62.00	56.0	172.93	10.87	162.95	10.26	152.98	9.65	143.00	9.05	133.02	8.47	126.37	8.08
	67.00	61.0	172.93	10.11	162.95	9.55	152.98	8.99	143.00	8.45	133.02	7.91	126.37	7.56
	72.00	66.0	172.93	9.45	162.95	8.93	152.98	8.42	143.00	7.92	133.02	7.43	126.37	7.10
	75.00	69.0	172.93	9.05	162.95	8.56	152.98	8.08	143.00	7.61	133.02	7.14	126.37	6.83

Tc: Total Capacity

PI: Power Input

Table 75 —38VMA288HDS5-1, 38VMA288HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	164.75	20.74	164.01	21.32	163.76	21.81	163.41	22.33	162.78	22.75	162.78	23.05
	2.00	1.0	177.92	22.40	177.17	22.84	176.56	23.25	175.90	23.63	175.73	23.91	175.38	24.13
	7.00	6.0	193.55	24.01	192.76	24.34	192.07	24.63	191.85	24.88	191.24	25.06	190.81	25.18
	12.00	10.0	206.17	25.71	205.38	25.90	204.62	26.04	204.37	26.11	203.82	26.20	203.32	26.24
	17.00	15.0	217.52	27.35	216.73	27.36	216.47	27.37	215.42	27.37	215.08	27.38	214.38	27.38
	22.00	20.0	238.08	27.19	237.27	27.20	237.00	27.20	235.92	27.21	235.56	27.22	234.85	27.22
	27.00	24.0	253.06	27.03	252.86	27.04	252.26	27.04	251.72	27.05	250.83	27.05	250.65	27.06
	32.00	29.0	271.41	26.87	270.93	26.87	270.48	26.88	269.69	26.89	269.05	26.89	268.62	26.89
	37.00	34.0	291.73	26.71	291.32	26.71	290.82	26.72	290.10	26.72	289.38	26.73	289.01	26.73
	42.00	38.0	338.73	26.55	338.37	26.55	337.78	26.56	329.32	26.56	328.47	26.56	328.16	26.57
	47.00	43.0	373.48	26.39	365.01	26.39	356.54	26.39	348.08	26.40	339.61	26.40	333.97	26.40
	52.00	47.0	388.49	26.23	380.02	26.23	371.55	26.23	363.09	26.24	354.62	26.24	348.98	26.24
	57.00	52.0	407.25	26.02	398.78	26.03	390.32	26.03	381.85	26.03	373.38	26.04	367.63	26.02
	62.00	56.0	422.26	25.86	413.79	25.86	405.33	25.87	396.86	25.87	386.98	25.71	367.63	24.20
	67.00	61.0	441.02	25.66	432.55	25.66	424.09	25.66	415.62	25.67	386.98	23.59	367.63	22.22
	72.00	66.0	459.78	25.45	451.32	25.46	442.85	25.46	416.00	23.70	386.98	21.78	367.63	20.53
	75.00	69.0	471.04	25.33	462.57	25.33	454.11	25.34	416.23	22.51	386.98	20.69	367.63	19.52
120	-3.00	-4.0	163.76	21.72	163.76	22.09	163.11	22.48	162.78	22.98	162.22	23.35	161.79	23.61
	2.00	1.0	176.91	23.10	176.52	23.43	175.71	23.72	175.38	24.15	174.72	24.39	174.37	24.58
	7.00	6.0	192.50	24.54	192.01	24.72	191.16	24.93	190.81	25.28	190.46	25.40	189.77	25.53
	12.00	10.0	205.12	26.02	204.56	26.08	204.17	26.16	203.32	26.35	202.97	26.40	202.27	26.45
	17.00	15.0	216.47	27.36	215.69	27.37	215.42	27.37	214.38	27.38	214.38	27.39	214.38	27.39
	22.00	20.0	237.00	27.20	236.19	27.21	235.92	27.21	234.85	27.22	234.85	27.22	234.85	27.23
	27.00	24.0	251.99	27.04	251.79	27.04	251.19	27.05	250.65	27.05	250.38	27.06	249.85	27.06
	32.00	29.0	270.33	26.88	269.85	26.88	269.40	26.89	268.62	26.89	268.47	26.90	268.19	26.90
	37.00	34.0	290.64	26.71	290.23	26.72	289.74	26.72	289.56	26.73	297.16	26.73	296.79	26.74
	42.00	38.0	321.11	26.55	320.77	26.56	320.21	26.56	319.98	26.57	312.17	26.57	311.73	26.57
	47.00	43.0	362.19	26.39	354.37	26.40	346.56	26.40	338.74	26.40	330.93	26.41	325.72	26.41
	52.00	47.0	377.20	26.23	369.38	26.23	361.57	26.24	353.75	26.24	345.94	26.24	339.35	26.07
	57.00	52.0	395.96	26.03	388.15	26.03	380.33	26.03	372.52	26.04	357.21	25.15	339.35	23.67
	62.00	56.0	410.97	25.86	403.15	25.87	395.34	25.87	384.00	25.48	357.21	23.39	339.35	22.04
	67.00	61.0	429.73	25.66	421.92	25.66	410.79	25.32	384.00	23.38	357.21	21.50	339.35	20.27
	72.00	66.0	448.49	25.46	437.58	25.16	410.79	23.35	384.00	21.58	357.21	19.87	339.35	18.76
	75.00	69.0	459.75	25.33	446.98	24.85	410.79	22.16	384.00	20.51	357.21	18.90	339.35	17.85
110	-3.00	-4.0	162.78	22.38	162.78	22.83	162.12	23.17	161.79	23.55	161.46	23.87	160.81	24.03
	2.00	1.0	175.90	23.66	175.51	23.98	175.06	24.24	174.37	24.51	174.21	24.80	173.89	24.89
	7.00	6.0	191.46	24.90	190.97	25.12	190.55	25.30	189.77	25.47	189.64	25.65	189.37	25.69
	12.00	10.0	204.07	26.12	203.51	26.29	203.12	26.37	203.02	26.41	202.17	26.54	201.97	26.50
	17.00	15.0	215.42	27.37	215.42	27.38	214.73	27.38	214.38	27.39	213.33	27.39	213.33	27.40
	22.00	20.0	235.92	27.21	235.12	27.21	234.85	27.22	234.85	27.22	233.77	27.23	233.77	27.09
	27.00	24.0	251.72	27.05	251.12	27.05	250.74	27.06	249.85	27.06	249.31	27.07	248.78	26.77
	32.00	29.0	269.69	26.88	269.37	26.89	268.83	26.89	268.19	26.90	267.54	26.90	267.54	26.46
	37.00	34.0	290.10	26.72	289.69	26.73	289.20	26.73	288.47	26.73	287.39	26.74	286.30	26.15
	42.00	38.0	312.40	26.56	311.91	26.56	311.45	26.57	310.65	26.57	303.48	26.57	295.60	25.84
	47.00	43.0	350.90	26.40	343.74	26.40	336.57	26.40	329.41	26.41	322.25	26.41	311.07	25.53
	52.00	47.0	365.91	26.23	358.75	26.24	351.58	26.24	344.42	26.24	327.44	24.98	311.07	23.52
	57.00	52.0	384.67	26.03	377.51	26.03	370.34	26.04	352.00	24.72	327.44	22.71	311.07	21.40
	62.00	56.0	399.68	25.87	392.52	25.87	376.56	24.89	352.00	23.00	327.44	21.15	311.07	19.95
	67.00	61.0	418.44	25.66	401.12	24.61	376.56	22.85	352.00	21.14	327.44	19.47	311.07	18.39
	72.00	66.0	425.67	24.35	401.12	22.70	376.56	21.10	352.00	19.55	327.44	18.03	311.07	17.04
	75.00	69.0	430.01	23.56	401.12	21.56	376.56	20.06	352.00	18.59	327.44	17.16	311.07	16.23
100	-3.00	-4.0	162.43	23.20	161.95	23.48	161.79	23.72	160.81	24.09	160.81	24.34	160.81	25.55
	2.00	1.0	174.90	24.27	174.50	24.46	174.37	24.61	173.89	24.94	173.36	25.11	173.36	26.36
	7.00	6.0	190.81	25.32	190.03	25.44	189.77	25.55	189.37	25.81	188.72	25.89	188.72	27.19
	12.00	10.0	203.32	26.37	203.10	26.40	202.52	26.46	201.97	26.62	201.72	26.65	201.22	27.99
	17.00	15.0	214.38	27.38	214.38	27.39	213.68	27.39	213.33	27.40	212.98	27.40	212.29	27.41
	22.00	20.0	234.85	27.22	234.85	27.22	234.13	27.23	233.77	27.23	233.41	26.87	232.69	26.64
	27.00	24.0	250.65	27.05	250.05	27.06	249.67	27.06	248.78	27.06	248.69	26.35	248.51	25.88
	32.00	29.0	268.62	26.89	268.29	26.90	267.76	26.90	267.54	26.90	265.18	25.82	261.31	25.12
	37.00	34.0	289.01	26.73	288.61	26.73	288.11	26.74	286.30	26.73	275.46	25.29	265.70	24.35
	42.00	38.0	317.16	26.56	316.66	26.57	311.73	26.57	301.31	26.57	284.57	24.76	273.41	23.59
	47.00	43.0	348.36	26.40	340.62	26.40	326.59	26.41	320.00	26.40	297.67	24.23	282.79	22.83
	52.00	47.0	365.51	26.24	348.11	26.24	341.60	26.24	320.00	24.31	297.67	22.35	282.79	21.07
	57.00	52.0	373.38	26.04	364.65	25.77	342.33	23.92	320.00	22.11	297.67	20.36	282.79	19.21
	62.00	56.0	386.98	25.71	364.65	23.97	342.33	22.26	320.00	20.61	297.67	18.99	282.79	17.94
	67.00	61.0	386.98	23.59	364.65	22.02	342.33	20.48	320.00	18.98	297.67	17.52	282.79	16.56
	72.00	66.0	386.98	21.78	364.65	20.34	342.33	18.94	320.00	17.58	297.67	16.24	282.79	15.37
	75.00	69.0	386.98	20.69	364.65	19.34	342.33	18.02	320.00	16.74	297.67	15.48	282.79	14.66

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	160.17	25.52	159.44	25.82	159.20	26.09	159.20	26.50	158.22	26.77	158.22	28.11
	2.00	1.0	169.65	26.70	169.30	26.91	168.84	27.08	168.67	27.44	168.03	27.62	167.69	29.00
	7.00	6.0	182.80	27.73	182.52	27.73	182.01	27.74	181.80	27.75	181.21	27.75	180.79	27.76
	12.00	10.0	194.91	27.58	194.69	27.59	194.13	27.59	193.89	27.60	193.36	27.60	192.88	27.61
	17.00	15.0	207.95	27.39	207.95	27.39	207.95	27.40	206.93	27.40	206.93	27.41	206.93	27.41
	22.00	20.0	218.41	27.23	218.41	27.23	217.74	27.04	217.41	26.72	218.57	26.42	214.67	26.22
	27.00	24.0	229.86	27.06	229.31	27.07	229.12	26.68	228.88	26.04	233.58	25.42	229.68	25.02
	32.00	29.0	265.24	26.90	264.92	26.90	263.39	26.32	258.21	25.36	252.35	24.43	248.44	23.82
	37.00	34.0	302.61	26.73	298.77	26.74	290.65	25.96	276.97	24.68	267.91	23.44	254.51	22.63
	42.00	38.0	330.67	26.57	318.22	26.57	303.80	25.60	288.00	24.00	267.91	22.44	254.51	21.43
	47.00	43.0	338.62	26.41	322.46	26.41	308.09	25.24	288.00	23.32	267.91	21.45	254.51	20.24
	52.00	47.0	343.33	26.24	328.19	25.05	308.09	23.26	288.00	21.52	267.91	19.82	254.51	18.72
	57.00	52.0	348.28	24.41	328.19	22.77	308.09	21.17	288.00	19.61	267.91	18.10	254.51	17.11
	62.00	56.0	348.28	22.71	328.19	21.21	308.09	19.74	288.00	18.31	267.91	16.91	254.51	16.00
	67.00	61.0	348.28	20.88	328.19	19.52	308.09	18.19	288.00	16.89	267.91	15.63	254.51	14.80
	72.00	66.0	348.28	19.31	328.19	18.07	308.09	16.86	288.00	15.68	267.91	14.52	254.51	13.77
	75.00	69.0	348.28	18.37	328.19	17.20	308.09	16.06	288.00	14.95	267.91	13.86	254.51	13.14
80	-3.00	-4.0	158.58	28.07	157.85	28.40	157.61	28.70	157.61	29.15	157.28	29.45	156.63	28.12
	2.00	1.0	164.57	29.37	164.23	29.60	163.78	29.78	163.61	30.18	163.46	30.38	163.15	27.95
	7.00	6.0	175.50	27.74	175.22	27.75	174.73	27.75	174.53	27.76	174.41	27.76	174.16	27.77
	12.00	10.0	191.01	27.59	190.80	27.60	190.73	27.60	190.02	27.61	189.92	27.61	189.73	27.62
	17.00	15.0	205.87	27.40	205.12	27.40	204.86	27.41	204.86	27.41	201.84	27.42	201.76	27.42
	22.00	20.0	216.10	27.06	216.10	26.78	216.10	26.51	215.10	26.24	204.10	25.98	196.09	25.81
	27.00	24.0	247.69	26.73	246.29	26.16	241.03	25.60	230.11	25.07	224.90	24.54	216.08	24.20
	32.00	29.0	284.13	26.39	274.97	25.54	262.70	24.70	248.87	23.89	238.14	23.10	226.23	22.59
	37.00	34.0	298.67	26.05	284.44	24.91	270.22	23.80	256.00	22.72	238.14	21.66	226.23	20.98
	42.00	38.0	298.67	25.72	284.44	24.29	270.22	22.90	256.00	21.54	238.14	20.23	226.23	19.37
	47.00	43.0	298.67	25.38	284.44	23.67	270.22	22.00	256.00	20.37	238.14	18.79	226.23	17.76
	52.00	47.0	298.67	23.39	284.44	21.84	270.22	20.32	256.00	18.84	238.14	17.40	226.23	16.46
	57.00	52.0	298.67	21.29	284.44	19.90	270.22	18.54	256.00	17.22	238.14	15.92	226.23	15.08
	62.00	56.0	298.67	19.85	284.44	18.57	270.22	17.32	256.00	16.10	238.14	14.91	226.23	14.13
	67.00	61.0	298.67	18.29	284.44	17.13	270.22	16.00	256.00	14.89	238.14	13.81	226.23	13.10
	72.00	66.0	298.67	16.95	284.44	15.89	270.22	14.86	256.00	13.85	238.14	12.86	226.23	12.21
	75.00	69.0	298.67	16.15	284.44	15.15	270.22	14.18	256.00	13.22	238.14	12.29	226.23	11.68
70	-3.00	-4.0	157.00	28.09	157.00	28.10	156.35	28.11	156.03	28.12	156.03	28.13	156.03	28.14
	2.00	1.0	162.93	27.93	162.93	27.94	162.62	27.95	161.97	27.95	161.31	27.96	161.58	27.97
	7.00	6.0	173.75	27.75	173.75	27.76	173.51	27.76	172.78	27.77	170.05	27.77	169.35	27.78
	12.00	10.0	191.27	27.60	191.27	27.61	191.08	27.61	188.12	27.62	179.19	27.62	177.67	27.62
	17.00	15.0	213.44	27.41	212.65	27.41	208.18	27.42	198.72	27.42	187.85	27.42	186.27	27.43
	22.00	20.0	235.16	26.46	227.00	26.23	217.02	26.00	205.77	25.78	201.21	25.56	197.95	25.42
	27.00	24.0	256.99	25.51	244.72	25.04	232.85	24.58	220.78	24.14	208.37	23.70	197.95	23.41
	32.00	29.0	260.74	24.57	248.30	23.86	236.25	23.17	224.00	22.49	208.37	21.83	197.95	21.41
	37.00	34.0	260.74	23.62	248.30	22.67	236.25	21.75	224.00	20.85	208.37	19.97	197.95	19.40
	42.00	38.0	260.74	22.67	248.30	21.49	236.25	20.33	224.00	19.21	208.37	18.11	197.95	17.39
	47.00	43.0	260.74	21.72	248.30	20.30	236.25	18.92	224.00	17.56	208.37	16.24	197.95	15.38
	52.00	47.0	260.74	20.07	248.30	18.78	236.25	17.52	224.00	16.29	208.37	15.08	197.95	14.30
	57.00	52.0	260.74	18.32	248.30	17.16	236.25	16.03	224.00	14.93	208.37	13.84	197.95	13.14
	62.00	56.0	260.74	17.12	248.30	16.05	236.25	15.01	224.00	13.99	208.37	12.99	197.95	12.34
	67.00	61.0	260.74	15.81	248.30	14.85	236.25	13.90	224.00	12.97	208.37	12.06	197.95	11.47
	72.00	66.0	260.74	14.69	248.30	13.81	236.25	12.94	224.00	12.09	208.37	11.26	197.95	10.71
	75.00	69.0	260.74	14.02	248.30	13.18	236.25	12.37	224.00	11.56	208.37	10.78	197.95	10.26
60	-3.00	-4.0	149.51	28.12	146.56	28.12	143.26	28.13	140.14	28.14	136.97	28.15	135.80	28.15
	2.00	1.0	162.17	27.95	157.65	27.96	152.86	27.96	148.20	27.97	143.34	27.97	141.55	27.98
	7.00	6.0	179.15	27.77	172.85	27.77	166.36	27.78	159.97	27.78	153.19	27.79	150.69	27.79
	12.00	10.0	196.96	27.61	188.75	27.62	180.43	27.62	172.17	27.63	163.33	27.63	160.06	27.63
	17.00	15.0	215.61	27.42	205.34	27.42	195.07	27.43	184.81	27.43	173.76	27.43	169.67	27.04
	22.00	20.0	221.43	25.89	210.88	25.71	200.34	25.52	192.00	25.34	178.60	25.16	169.67	24.72
	27.00	24.0	227.02	24.37	216.21	23.99	205.40	23.62	192.00	23.25	178.60	22.90	169.67	22.40
	32.00	29.0	227.02	22.84	216.21	22.27	205.40	21.71	192.00	21.16	178.60	20.63	169.67	20.08
	37.00	34.0	227.02	21.32	216.21	20.55	205.40	19.81	192.00	19.08	178.60	18.36	169.67	17.76
	42.00	38.0	227.02	19.79	216.21	18.84	205.40	17.90	192.00	16.99	178.60	16.09	169.67	15.44
	47.00	43.0	232.19	18.27	218.79	17.12	205.40	16.00	192.00	14.90	178.60	13.82	169.67	13.12
	52.00	47.0	232.19	16.93	218.79	15.88	205.40	14.86	192.00	13.85	178.60	12.87	169.67	12.23
	57.00	52.0	232.19	15.50	218.79	14.56	205.40	13.64	192.00	12.74	178.60	11.85	169.67	11.27
	62.00	56.0	232.19	14.52	218.79	13.65	205.40	12.80	192.00	11.97	178.60	11.15	169.67	10.61
	67.00	61.0	232.19	13.46	218.79	12.67	205.40	11.89	192.00	11.13	178.60	10.38	169.67	9.89
	72.00	66.0	232.19	12.53	218.79	11.81	205.40	11.10	192.00	10.40	178.60	9.72	169.67	9.27
	75.00	69.0	232.19	11.98	218.79	11.30	205.40	10.63	192.00	9.97	178.60	9.32	169.67	8.89

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	141.41	28.14	138.21	28.15	134.66	28.15	131.28	28.16	128.00	28.17	121.60	28.17
	2.00	1.0	151.09	27.97	146.18	27.97	141.00	27.98	135.95	27.98	130.98	27.99	124.43	27.99
	7.00	6.0	164.65	27.78	157.80	27.78	150.76	27.79	143.82	27.79	136.93	27.80	130.08	27.80
	12.00	10.0	178.78	27.63	169.85	27.63	160.82	27.63	151.84	27.64	142.88	27.64	135.74	26.76
	17.00	15.0	193.49	27.43	182.33	27.43	171.16	27.32	160.00	25.22	148.84	23.19	141.40	21.86
	22.00	20.0	193.49	25.36	182.33	25.21	171.16	24.97	160.00	23.08	148.84	21.24	141.40	20.05
	27.00	24.0	193.49	23.29	182.33	22.99	171.16	22.62	160.00	20.94	148.84	19.30	141.40	18.23
	32.00	29.0	193.49	21.22	182.33	20.78	171.16	20.28	160.00	18.80	148.84	17.35	141.40	16.42
	37.00	34.0	193.49	19.16	182.33	18.56	171.16	17.93	160.00	16.65	148.84	15.41	141.40	14.60
	42.00	38.0	193.49	17.09	182.33	16.34	171.16	15.58	160.00	14.51	148.84	13.47	141.40	12.78
	47.00	43.0	193.49	15.02	182.33	14.12	171.16	13.24	160.00	12.37	148.84	11.52	141.40	10.97
	52.00	47.0	193.49	13.96	182.33	13.14	171.16	12.33	160.00	11.54	148.84	10.76	141.40	10.25
	57.00	52.0	193.49	12.84	182.33	12.10	171.16	11.37	160.00	10.66	148.84	9.95	141.40	9.49
	62.00	56.0	193.49	12.06	182.33	11.38	171.16	10.70	160.00	10.04	148.84	9.39	141.40	8.96
	67.00	61.0	193.49	11.22	182.33	10.59	171.16	9.98	160.00	9.37	148.84	8.78	141.40	8.38
	72.00	66.0	193.49	10.48	182.33	9.91	171.16	9.34	160.00	8.79	148.84	8.24	141.40	7.88
	75.00	69.0	193.49	10.04	182.33	9.50	171.16	8.96	160.00	8.44	148.84	7.92	141.40	7.58

Tc: Total Capacity

PI: Power Input

Triple Units

Table 76 —38VMA312HDS5-1, 38VMA312HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FBD	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	176.08	21.45	175.29	22.05	175.02	22.55	174.65	23.09	173.97	23.53	173.97	23.83
	2.00	1.0	190.16	23.16	189.35	23.62	188.70	24.04	188.00	24.43	187.81	24.72	187.43	24.95
	7.00	6.0	206.85	24.83	206.02	25.17	205.27	25.47	205.04	25.73	204.39	25.92	203.93	26.04
	12.00	10.0	220.35	26.59	219.50	26.79	218.69	26.92	218.42	27.00	217.84	27.10	217.30	27.13
	17.00	15.0	232.47	28.28	231.63	28.29	231.35	28.30	230.24	28.31	229.86	28.31	229.12	28.32
	22.00	20.0	254.45	28.12	253.58	28.12	253.30	28.13	252.14	28.14	251.76	28.14	250.99	28.15
	27.00	24.0	270.46	27.95	270.24	27.96	269.60	27.96	269.03	27.97	268.07	27.98	267.88	27.98
	32.00	29.0	290.07	27.78	289.55	27.79	289.07	27.80	288.23	27.80	287.54	27.81	287.08	27.81
	37.00	34.0	311.78	27.62	311.35	27.62	310.82	27.63	310.04	27.63	309.27	27.64	308.88	27.64
	42.00	38.0	362.02	27.45	361.64	27.46	361.00	27.46	351.96	27.47	351.05	27.47	350.72	27.47
	47.00	43.0	399.15	27.29	390.10	27.29	381.06	27.29	372.01	27.30	362.96	27.30	356.93	27.30
	52.00	47.0	415.19	27.12	406.15	27.12	397.10	27.13	388.05	27.13	379.00	27.13	372.97	27.14
	57.00	52.0	435.25	26.91	426.20	26.91	417.15	26.92	408.10	26.92	399.05	26.92	392.90	26.91
	62.00	56.0	451.29	26.74	442.24	26.75	433.19	26.75	424.14	26.75	413.58	26.59	392.90	25.02
	67.00	61.0	471.34	26.53	462.29	26.53	453.24	26.54	444.20	26.54	413.58	24.40	392.90	22.98
	72.00	66.0	491.39	26.32	482.34	26.32	473.30	26.33	444.60	24.50	413.58	22.52	392.90	21.23
	75.00	69.0	503.42	26.19	494.38	26.20	485.33	26.20	444.84	23.28	413.58	21.39	392.90	20.18
120	-3.00	-4.0	175.02	22.46	175.02	22.84	174.32	23.25	173.97	23.77	173.37	24.15	172.91	24.42
	2.00	1.0	189.08	23.88	188.65	24.23	187.79	24.53	187.43	24.97	186.73	25.22	186.36	25.42
	7.00	6.0	205.74	25.37	205.21	25.56	204.30	25.78	203.93	26.14	203.55	26.26	202.81	26.40
	12.00	10.0	219.22	26.91	218.62	26.97	218.21	27.05	217.30	27.25	216.93	27.30	216.18	27.36
	17.00	15.0	231.35	28.29	230.51	28.30	230.24	28.31	229.12	28.31	229.12	28.32	229.12	28.33
	22.00	20.0	253.30	28.13	252.43	28.13	252.14	28.14	250.99	28.15	250.99	28.15	250.99	28.16
	27.00	24.0	269.31	27.96	269.10	27.97	268.46	27.97	267.88	27.98	267.60	27.98	267.03	27.99
	32.00	29.0	288.92	27.79	288.40	27.80	287.93	27.80	287.08	27.81	286.93	27.81	286.62	27.82
	37.00	34.0	310.62	27.63	310.19	27.63	309.66	27.63	309.46	27.64	317.59	27.64	317.19	27.65
	42.00	38.0	343.18	27.46	342.82	27.46	342.22	27.47	341.98	27.47	333.63	27.48	333.16	27.48
	47.00	43.0	387.09	27.29	378.74	27.29	370.38	27.30	362.03	27.30	353.68	27.31	348.11	27.31
	52.00	47.0	403.13	27.12	394.78	27.13	386.43	27.13	378.07	27.13	369.72	27.14	362.68	26.95
	57.00	52.0	423.18	26.91	414.83	26.92	406.48	26.92	398.13	26.92	381.77	26.01	362.68	24.48
	62.00	56.0	439.22	26.75	430.87	26.75	422.52	26.75	410.40	26.35	381.77	24.19	362.68	22.79
	67.00	61.0	459.28	26.54	450.92	26.54	439.03	26.18	410.40	24.18	381.77	22.23	362.68	20.97
	72.00	66.0	479.33	26.32	467.67	26.02	439.03	24.14	410.40	22.32	381.77	20.55	362.68	19.40
	75.00	69.0	491.36	26.20	477.71	25.70	439.03	22.92	410.40	21.21	381.77	19.54	362.68	18.46
110	-3.00	-4.0	173.97	23.14	173.97	23.61	173.27	23.96	172.91	24.35	172.56	24.68	171.86	24.85
	2.00	1.0	188.00	24.47	187.58	24.79	187.09	25.07	186.36	25.34	186.18	25.64	185.84	25.74
	7.00	6.0	204.62	25.75	204.10	25.98	203.65	26.16	202.81	26.34	202.67	26.53	202.39	26.57
	12.00	10.0	218.10	27.01	217.50	27.19	217.09	27.27	216.98	27.31	216.07	27.44	215.86	27.41
	17.00	15.0	230.24	28.30	230.24	28.31	229.49	28.32	229.12	28.32	228.00	28.33	228.00	28.33
	22.00	20.0	252.14	28.14	251.28	28.14	250.99	28.15	250.99	28.15	249.84	28.16	249.84	28.01
	27.00	24.0	269.03	27.97	268.38	27.97	267.98	27.98	267.03	27.98	266.45	27.99	265.88	27.69
	32.00	29.0	288.23	27.80	287.89	27.80	287.31	27.81	286.62	27.81	285.93	27.82	285.93	27.36
	37.00	34.0	310.04	27.63	309.61	27.64	309.08	27.64	308.30	27.65	307.15	27.65	305.99	27.04
	42.00	38.0	333.88	27.46	333.35	27.47	332.86	27.47	332.00	27.48	324.35	27.48	315.92	26.72
	47.00	43.0	375.02	27.30	367.37	27.30	359.71	27.30	352.06	27.31	344.40	27.31	332.46	26.40
	52.00	47.0	391.07	27.13	383.41	27.13	375.75	27.14	368.10	27.14	349.95	25.83	332.46	24.32
	57.00	52.0	411.12	26.92	403.46	26.92	395.81	26.92	376.20	25.56	349.95	23.48	332.46	22.13
	62.00	56.0	427.16	26.75	419.50	26.75	402.45	25.74	376.20	23.78	349.95	21.87	332.46	20.63
	67.00	61.0	447.21	26.54	428.69	25.45	402.45	23.63	376.20	21.86	349.95	20.14	332.46	19.01
	72.00	66.0	454.94	25.18	428.69	23.48	402.45	21.82	376.20	20.21	349.95	18.64	332.46	17.62
	75.00	69.0	459.58	24.36	428.69	22.29	402.45	20.74	376.20	19.22	349.95	17.75	332.46	16.78
100	-3.00	-4.0	173.59	23.99	173.08	24.28	172.91	24.53	171.86	24.91	171.86	25.17	171.86	26.42
	2.00	1.0	186.92	25.10	186.50	25.29	186.36	25.45	185.84	25.79	185.28	25.96	185.28	27.26
	7.00	6.0	203.93	26.18	203.09	26.31	202.81	26.42	202.39	26.69	201.70	26.77	201.70	28.11
	12.00	10.0	217.30	27.27	217.06	27.30	216.45	27.36	215.86	27.52	215.59	27.56	215.06	28.94
	17.00	15.0	229.12	28.31	229.12	28.32	228.37	28.32	228.00	28.33	227.63	28.34	226.88	28.34
	22.00	20.0	250.99	28.14	250.99	28.15	250.22	28.16	249.84	28.16	249.46	27.79	248.69	27.55
	27.00	24.0	267.88	27.98	267.24	27.98	266.84	27.99	265.88	27.99	265.79	27.24	265.60	26.76
	32.00	29.0	287.08	27.81	286.74	27.81	286.16	27.82	285.93	27.82	283.41	26.70	279.27	25.97
	37.00	34.0	308.88	27.64	308.45	27.64	307.92	27.65	305.99	27.64	294.40	26.15	283.96	25.18
	42.00	38.0	338.96	27.47	338.43	27.47	333.16	27.48	322.03	27.47	304.14	25.61	292.21	24.39
	47.00	43.0	372.31	27.30	364.04	27.30	349.04	27.31	342.00	27.30	318.14	25.06	302.23	23.60
	52.00	47.0	390.64	27.13	372.04	27.14	365.08	27.14	342.00	25.14	318.14	23.11	302.23	21.79
	57.00	52.0	399.05	26.92	389.72	26.65	365.86	24.73	342.00	22.87	318.14	21.05	302.23	19.87
	62.00	56.0	413.58	26.59	389.72	24.78	365.86	23.02	342.00	21.31	318.14	19.64	302.23	18.55
	67.00	61.0	413.58	24.40	389.72	22.77	365.86	21.17	342.00	19.62	318.14	18.11	302.23	17.13
	72.00	66.0	413.58	22.52	389.72	21.04	365.86	19.59	342.00	18.18	318.14	16.80	302.23	15.90
	75.00	69.0	413.58	21.39	389.72	20.00	365.86	18.64	342.00	17.31	318.14	16.01	302.23	15.16

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FBD	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	171.19	26.39	170.40	26.70	170.14	26.98	170.14	27.40	169.10	27.68	169.10	29.07
	2.00	1.0	181.32	27.61	180.94	27.82	180.45	28.00	180.27	28.37	179.58	28.56	179.22	29.99
	7.00	6.0	195.37	28.67	195.07	28.68	194.52	28.69	194.30	28.69	193.67	28.70	193.22	28.70
	12.00	10.0	208.31	28.52	208.07	28.53	207.48	28.53	207.22	28.54	206.66	28.54	206.14	28.55
	17.00	15.0	222.25	28.32	222.25	28.33	222.25	28.33	221.16	28.34	221.16	28.34	221.16	28.35
	22.00	20.0	233.43	28.15	233.43	28.16	232.71	27.96	232.35	27.63	233.60	27.32	229.42	27.11
	27.00	24.0	245.67	27.98	245.07	27.99	244.88	27.59	244.61	26.93	249.64	26.29	245.47	25.87
	32.00	29.0	283.47	27.82	283.13	27.82	281.50	27.22	275.96	26.22	269.69	25.26	265.52	24.64
	37.00	34.0	323.42	27.65	319.31	27.65	310.63	26.84	296.01	25.52	286.33	24.24	272.01	23.40
	42.00	38.0	353.40	27.48	340.10	27.48	324.69	26.47	307.80	24.82	286.33	23.21	272.01	22.16
	47.00	43.0	361.90	27.31	344.63	27.31	329.27	26.10	307.80	24.11	286.33	22.18	272.01	20.93
	52.00	47.0	366.94	27.14	350.75	25.90	329.27	24.05	307.80	22.25	286.33	20.50	272.01	19.36
	57.00	52.0	372.22	25.24	350.75	23.54	329.27	21.89	307.80	20.28	286.33	18.71	272.01	17.69
	62.00	56.0	372.22	23.49	350.75	21.93	329.27	20.41	307.80	18.93	286.33	17.49	272.01	16.55
	67.00	61.0	372.22	21.60	350.75	20.19	329.27	18.81	307.80	17.47	286.33	16.16	272.01	15.31
	72.00	66.0	372.22	19.97	350.75	18.69	329.27	17.44	307.80	16.21	286.33	15.02	272.01	14.24
	75.00	69.0	372.22	19.00	350.75	17.79	329.27	16.61	307.80	15.46	286.33	14.33	272.01	13.59
80	-3.00	-4.0	169.48	29.02	168.70	29.37	168.44	29.68	168.44	30.14	168.09	30.45	167.40	29.08
	2.00	1.0	175.88	30.37	175.52	30.60	175.04	30.80	174.86	31.21	174.70	31.41	174.37	28.91
	7.00	6.0	187.56	28.68	187.27	28.69	186.74	28.70	186.53	28.70	186.40	28.71	186.14	28.72
	12.00	10.0	204.14	28.53	203.92	28.54	203.84	28.54	203.08	28.55	202.98	28.55	202.78	28.56
	17.00	15.0	220.03	28.33	219.22	28.34	218.95	28.34	218.95	28.35	215.71	28.35	215.63	28.36
	22.00	20.0	230.96	27.99	230.96	27.69	230.96	27.41	229.89	27.13	218.13	26.86	209.57	26.69
	27.00	24.0	264.72	27.64	263.22	27.05	257.60	26.48	245.93	25.92	240.36	25.38	230.94	25.02
	32.00	29.0	303.66	27.29	293.87	26.41	280.76	25.54	265.98	24.71	254.51	23.89	241.79	23.36
	37.00	34.0	319.20	26.94	304.00	25.76	288.80	24.61	273.60	23.49	254.51	22.40	241.79	21.69
	42.00	38.0	319.20	26.59	304.00	25.12	288.80	23.68	273.60	22.28	254.51	20.91	241.79	20.03
	47.00	43.0	319.20	26.25	304.00	24.47	288.80	22.75	273.60	21.06	254.51	19.43	241.79	18.36
	52.00	47.0	319.20	24.19	304.00	22.58	288.80	21.01	273.60	19.48	254.51	17.99	241.79	17.02
	57.00	52.0	319.20	22.01	304.00	20.58	288.80	19.17	273.60	17.80	254.51	16.47	241.79	15.60
	62.00	56.0	319.20	20.52	304.00	19.20	288.80	17.91	273.60	16.65	254.51	15.42	241.79	14.62
	67.00	61.0	319.20	18.91	304.00	17.72	288.80	16.55	273.60	15.40	254.51	14.28	241.79	13.55
	72.00	66.0	319.20	17.53	304.00	16.44	288.80	15.37	273.60	14.32	254.51	13.30	241.79	12.63
	75.00	69.0	319.20	16.70	304.00	15.67	288.80	14.66	273.60	13.67	254.51	12.71	241.79	12.08
70	-3.00	-4.0	167.79	29.05	167.79	29.06	167.10	29.07	166.76	29.08	166.76	29.09	166.76	29.10
	2.00	1.0	174.13	28.88	174.13	28.89	173.80	28.90	173.11	28.91	172.40	28.91	172.69	28.92
	7.00	6.0	185.69	28.70	185.69	28.70	185.43	28.71	184.66	28.72	181.74	28.72	180.99	28.73
	12.00	10.0	204.42	28.54	204.42	28.55	204.21	28.55	201.05	28.56	191.50	28.56	189.89	28.57
	17.00	15.0	228.11	28.34	227.27	28.35	222.49	28.35	212.38	28.36	200.77	28.36	199.08	28.36
	22.00	20.0	251.33	27.36	242.60	27.12	231.94	26.89	219.91	26.66	215.04	26.43	211.56	26.29
	27.00	24.0	274.66	26.38	261.55	25.90	248.85	25.42	235.95	24.96	222.70	24.51	211.56	24.21
	32.00	29.0	278.67	25.40	265.37	24.67	252.49	23.96	239.40	23.26	222.70	22.58	211.56	22.14
	37.00	34.0	278.67	24.42	265.37	23.45	252.49	22.49	239.40	21.56	222.70	20.65	211.56	20.06
	42.00	38.0	278.67	23.44	265.37	22.22	252.49	21.03	239.40	19.86	222.70	18.73	211.56	17.98
	47.00	43.0	278.67	22.46	265.37	21.00	252.49	19.56	239.40	18.16	222.70	16.80	211.56	15.91
	52.00	47.0	278.67	20.75	265.37	19.42	252.49	18.12	239.40	16.84	222.70	15.60	211.56	14.78
	57.00	52.0	278.67	18.94	265.37	17.75	252.49	16.58	239.40	15.43	222.70	14.32	211.56	13.59
	62.00	56.0	278.67	17.70	265.37	16.60	252.49	15.52	239.40	14.47	222.70	13.43	211.56	12.76
	67.00	61.0	278.67	16.35	265.37	15.35	252.49	14.37	239.40	13.41	222.70	12.47	211.56	11.86
	72.00	66.0	278.67	15.19	265.37	14.28	252.49	13.38	239.40	12.50	222.70	11.64	211.56	11.08
	75.00	69.0	278.67	14.49	265.37	13.63	252.49	12.79	239.40	11.96	222.70	11.14	211.56	10.61
60	-3.00	-4.0	159.79	29.07	156.64	29.08	153.11	29.09	149.77	29.10	146.39	29.11	145.13	29.11
	2.00	1.0	173.32	28.90	168.49	28.91	163.37	28.92	158.39	28.92	153.20	28.93	151.28	28.93
	7.00	6.0	191.47	28.71	184.74	28.72	177.80	28.72	170.97	28.73	163.73	28.73	161.05	28.74
	12.00	10.0	210.50	28.56	201.72	28.56	192.84	28.56	184.01	28.57	174.56	28.57	171.07	28.57
	17.00	15.0	230.43	28.35	219.46	28.36	208.49	28.36	197.51	28.36	185.71	28.37	181.34	27.96
	22.00	20.0	236.65	26.78	225.38	26.58	214.11	26.39	205.20	26.20	190.88	26.02	181.34	25.56
	27.00	24.0	242.62	25.20	231.07	24.81	219.52	24.42	205.20	24.04	190.88	23.68	181.34	23.16
	32.00	29.0	242.62	23.62	231.07	23.03	219.52	22.45	205.20	21.89	190.88	21.33	181.34	20.76
	37.00	34.0	242.62	22.05	231.07	21.26	219.52	20.48	205.20	19.73	190.88	18.99	181.34	18.36
	42.00	38.0	242.62	20.47	231.07	19.48	219.52	18.51	205.20	17.57	190.88	16.64	181.34	15.97
	47.00	43.0	248.15	18.89	233.83	17.70	219.52	16.54	205.20	15.41	190.88	14.29	181.34	13.57
	52.00	47.0	248.15	17.50	233.83	16.42	219.52	15.36	205.20	14.33	190.88	13.31	181.34	12.64
	57.00	52.0	248.15	16.03	233.83	15.06	219.52	14.11	205.20	13.17	190.88	12.26	181.34	11.66
	62.00	56.0	248.15	15.02	233.83	14.12	219.52	13.24	205.20	12.38	190.88	11.53	181.34	10.98
	67.00	61.0	248.15	13.91	233.83	13.10	219.52	12.30	205.20	11.51	190.88	10.74	181.34	10.23
	72.00	66.0	248.15	12.96	233.83	12.21	219.52	11.48	205.20	10.76	190.88	10.05	181.34	9.59
	75.00	69.0	248.15	12.39	233.83	11.68	219.52	10.99	205.20	10.31	190.88	9.64	181.34	9.20

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FBD	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	151.14	29.10	147.71	29.11	143.92	29.11	140.31	29.12	136.80	29.13	129.96	29.13
	2.00	1.0	161.48	28.92	156.23	28.93	150.69	28.93	145.30	28.94	139.98	28.94	132.98	28.95
	7.00	6.0	175.97	28.73	168.65	28.73	161.13	28.74	153.71	28.74	146.34	28.74	139.03	28.75
	12.00	10.0	191.07	28.57	181.52	28.57	171.87	28.57	162.28	28.58	152.71	28.58	145.07	27.67
	17.00	15.0	206.80	28.36	194.86	28.37	182.93	28.25	171.00	26.08	159.07	23.98	151.12	22.61
	22.00	20.0	206.79	26.22	194.86	26.07	182.93	25.82	171.00	23.87	159.07	21.97	151.12	20.73
	27.00	24.0	206.79	24.09	194.86	23.78	182.93	23.40	171.00	21.65	159.07	19.96	151.12	18.85
	32.00	29.0	206.79	21.95	194.86	21.48	182.93	20.97	171.00	19.44	159.07	17.95	151.12	16.97
	37.00	34.0	206.79	19.81	194.86	19.19	182.93	18.54	171.00	17.22	159.07	15.94	151.12	15.10
	42.00	38.0	206.79	17.67	194.86	16.90	182.93	16.12	171.00	15.01	159.07	13.93	151.12	13.22
	47.00	43.0	206.79	15.53	194.86	14.60	182.93	13.69	171.00	12.79	159.07	11.92	151.12	11.34
	52.00	47.0	206.79	14.44	194.86	13.59	182.93	12.75	171.00	11.94	159.07	11.13	151.12	10.60
	57.00	52.0	206.79	13.28	194.86	12.51	182.93	11.76	171.00	11.02	159.07	10.29	151.12	9.82
	62.00	56.0	206.79	12.47	194.86	11.76	182.93	11.07	171.00	10.38	159.07	9.71	151.12	9.27
	67.00	61.0	206.79	11.60	194.86	10.95	182.93	10.32	171.00	9.69	159.07	9.08	151.12	8.67
	72.00	66.0	206.79	10.84	194.86	10.25	182.93	9.66	171.00	9.09	159.07	8.52	151.12	8.15
	75.00	69.0	206.79	10.38	194.86	9.82	182.93	9.27	171.00	8.73	159.07	8.19	151.12	7.84

Tc: Total Capacity

PI: Power Input

Table 77 —38VMA336HDS5-1, 38VMA336HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	185.34	22.94	184.51	23.58	184.23	24.12	183.84	24.70	183.12	25.16	183.12	25.49
	2.00	1.0	200.16	24.77	199.31	25.26	198.63	25.72	197.89	26.13	197.69	26.44	197.30	26.69
	7.00	6.0	217.74	26.56	216.86	26.92	216.08	27.24	215.83	27.52	215.15	27.72	214.66	27.85
	12.00	10.0	231.94	28.44	231.06	28.65	230.20	28.80	229.92	28.88	229.30	28.98	228.74	29.02
	17.00	15.0	244.71	30.25	243.82	30.26	243.53	30.27	242.35	30.28	241.96	30.28	241.18	30.29
	22.00	20.0	267.84	30.07	266.93	30.08	266.63	30.09	265.41	30.10	265.01	30.10	264.20	30.11
	27.00	24.0	284.69	29.90	284.47	29.90	283.79	29.91	283.19	29.92	282.18	29.92	281.98	29.93
	32.00	29.0	305.34	29.72	304.79	29.72	304.29	29.73	303.40	29.74	302.68	29.74	302.19	29.75
	37.00	34.0	328.19	29.54	327.73	29.55	327.17	29.55	326.36	29.56	325.55	29.56	325.14	29.57
	42.00	38.0	381.07	29.36	380.67	29.37	380.01	29.37	370.48	29.38	369.53	29.38	369.18	29.39
	47.00	43.0	420.16	29.19	410.64	29.19	401.11	29.19	391.59	29.20	382.06	29.20	375.71	29.20
	52.00	47.0	437.05	29.01	427.52	29.01	418.00	29.01	408.47	29.02	398.95	29.02	392.60	29.02
	57.00	52.0	458.15	28.78	448.63	28.79	439.11	28.79	429.58	28.79	420.06	28.80	413.58	28.78
	62.00	56.0	475.04	28.60	465.52	28.61	455.99	28.61	446.47	28.61	435.35	28.44	413.58	26.76
	67.00	61.0	496.15	28.38	486.62	28.38	477.10	28.38	467.57	28.39	435.35	26.10	413.58	24.58
	72.00	66.0	517.25	28.15	507.73	28.16	498.21	28.16	468.00	26.21	435.35	24.09	413.58	22.71
	75.00	69.0	529.92	28.02	520.39	28.02	510.87	28.02	468.26	24.90	435.35	22.88	413.58	21.59
120	-3.00	-4.0	184.23	24.02	184.23	24.43	183.49	24.87	183.12	25.42	182.49	25.83	182.02	26.12
	2.00	1.0	199.03	25.55	198.58	25.91	197.68	26.23	197.30	26.71	196.56	26.98	196.16	27.19
	7.00	6.0	216.57	27.14	216.02	27.34	215.05	27.58	214.66	27.96	214.27	28.09	213.49	28.24
	12.00	10.0	230.76	28.78	230.13	28.85	229.69	28.93	228.74	29.14	228.34	29.21	227.56	29.26
	17.00	15.0	243.53	30.26	242.65	30.27	242.35	30.28	241.18	30.28	241.18	30.29	241.18	30.30
	22.00	20.0	266.63	30.08	265.72	30.09	265.41	30.10	264.20	30.10	264.20	30.11	264.20	30.12
	27.00	24.0	283.49	29.91	283.26	29.91	282.59	29.92	281.98	29.92	281.68	29.93	281.08	29.93
	32.00	29.0	304.13	29.73	303.58	29.73	303.08	29.74	302.19	29.74	302.03	29.75	301.71	29.75
	37.00	34.0	326.97	29.55	326.51	29.55	325.95	29.56	325.75	29.56	334.30	29.57	333.88	29.57
	42.00	38.0	361.24	29.37	360.86	29.37	360.23	29.38	359.98	29.38	351.19	29.39	350.69	29.39
	47.00	43.0	407.46	29.19	398.67	29.19	389.88	29.20	381.09	29.20	372.30	29.21	366.43	29.21
	52.00	47.0	424.35	29.01	415.56	29.02	406.76	29.02	397.97	29.02	389.18	29.03	381.77	28.83
	57.00	52.0	445.46	28.79	436.66	28.79	427.87	28.79	419.08	28.80	401.86	27.82	381.77	26.18
	62.00	56.0	462.34	28.61	453.55	28.61	444.76	28.61	432.00	28.18	401.86	25.87	381.77	24.38
	67.00	61.0	483.45	28.38	474.66	28.39	462.14	28.01	432.00	25.86	401.86	23.78	381.77	22.42
	72.00	66.0	504.56	28.16	492.28	27.83	462.14	25.82	432.00	23.87	401.86	21.98	381.77	20.75
	75.00	69.0	517.22	28.02	502.85	27.49	462.14	24.51	432.00	22.68	401.86	20.90	381.77	19.74
110	-3.00	-4.0	183.12	24.75	183.12	25.26	182.39	25.63	182.02	26.05	181.65	26.40	180.91	26.58
	2.00	1.0	197.89	26.17	197.45	26.52	196.94	26.81	196.16	27.11	195.98	27.43	195.62	27.53
	7.00	6.0	215.39	27.55	214.84	27.79	214.37	27.98	213.49	28.17	213.34	28.38	213.05	28.42
	12.00	10.0	229.58	28.89	228.95	29.08	228.51	29.17	228.40	29.21	227.44	29.35	227.22	29.31
	17.00	15.0	242.35	30.27	242.35	30.28	241.57	30.29	241.18	30.29	240.00	30.30	240.00	30.30
	22.00	20.0	265.41	30.09	264.51	30.10	264.20	30.11	264.20	30.11	262.99	30.12	262.99	29.96
	27.00	24.0	283.19	29.91	282.51	29.92	282.08	29.93	281.08	29.93	280.48	29.94	279.88	29.61
	32.00	29.0	303.40	29.73	303.04	29.74	302.43	29.75	301.71	29.75	300.98	29.76	300.98	29.27
	37.00	34.0	326.36	29.56	325.90	29.56	325.34	29.56	324.53	29.57	323.31	29.57	322.09	28.92
	42.00	38.0	351.45	29.38	350.90	29.38	350.38	29.38	349.48	29.39	341.42	29.39	332.55	28.58
	47.00	43.0	394.76	29.20	386.70	29.20	378.64	29.20	370.59	29.21	362.53	29.21	349.95	28.23
	52.00	47.0	411.65	29.02	403.59	29.02	395.53	29.02	387.47	29.03	368.37	27.63	349.95	26.02
	57.00	52.0	432.76	28.79	424.70	28.80	416.64	28.80	396.00	27.34	368.37	25.12	349.95	23.67
	62.00	56.0	449.64	28.61	441.58	28.62	423.63	27.53	396.00	25.43	368.37	23.40	349.95	22.07
	67.00	61.0	470.75	28.39	451.26	27.22	423.63	25.28	396.00	23.38	368.37	21.54	349.95	20.34
	72.00	66.0	478.88	26.93	451.26	25.11	423.63	23.34	396.00	21.62	368.37	19.94	349.95	18.85
	75.00	69.0	483.76	26.05	451.26	23.85	423.63	22.18	396.00	20.56	368.37	18.98	349.95	17.95
100	-3.00	-4.0	182.73	25.66	182.19	25.96	182.02	26.24	180.91	26.64	180.91	26.92	180.91	28.26
	2.00	1.0	196.76	26.85	196.31	27.05	196.16	27.22	195.62	27.59	195.03	27.77	195.03	29.16
	7.00	6.0	214.66	28.00	213.78	28.14	213.49	28.26	213.05	28.54	212.31	28.64	212.31	30.07
	12.00	10.0	228.74	29.17	228.48	29.20	227.84	29.26	227.22	29.44	226.94	29.48	226.38	30.96
	17.00	15.0	241.18	30.28	241.18	30.29	240.39	30.30	240.00	30.30	239.61	30.31	238.82	30.31
	22.00	20.0	264.20	30.10	264.20	30.11	263.39	30.11	262.99	30.12	262.59	29.72	261.78	29.47
	27.00	24.0	281.98	29.92	281.31	29.93	280.88	29.93	279.88	29.93	279.78	29.14	279.58	28.62
	32.00	29.0	302.19	29.74	301.83	29.75	301.23	29.75	300.98	29.75	298.32	28.56	293.97	27.78
	37.00	34.0	325.14	29.56	324.68	29.57	324.12	29.57	322.09	29.57	309.89	27.97	298.91	26.94
	42.00	38.0	356.80	29.38	356.24	29.39	350.69	29.39	338.98	29.38	320.15	27.39	307.59	26.09
	47.00	43.0	391.90	29.20	383.20	29.21	367.41	29.21	360.00	29.20	334.88	26.80	318.14	25.25
	52.00	47.0	411.20	29.02	391.62	29.03	384.30	29.03	360.00	26.89	334.88	24.72	318.14	23.31
	57.00	52.0	420.06	28.80	410.23	28.51	385.12	26.45	360.00	24.46	334.88	22.52	318.14	21.25
	62.00	56.0	435.35	28.44	410.23	26.51	385.12	24.62	360.00	22.79	334.88	21.01	318.14	19.84
	67.00	61.0	435.35	26.10	410.23	24.35	385.12	22.65	360.00	20.99	334.88	19.37	318.14	18.32
	72.00	66.0	435.35	24.09	410.23	22.50	385.12	20.95	360.00	19.44	334.88	17.97	318.14	17.01
	75.00	69.0	435.35	22.88	410.23	21.39	385.12	19.93	360.00	18.51	334.88	17.12	318.14	16.22

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	180.20	28.22	179.37	28.56	179.10	28.86	179.10	29.31	178.00	29.61	178.00	31.09
	2.00	1.0	190.86	29.53	190.46	29.76	189.95	29.95	189.75	30.35	189.03	30.55	188.65	32.07
	7.00	6.0	205.65	30.67	205.34	30.67	204.76	30.68	204.52	30.69	203.87	30.70	203.39	30.70
	12.00	10.0	219.27	30.50	219.02	30.51	218.40	30.52	218.13	30.52	217.53	30.53	216.99	30.54
	17.00	15.0	233.95	30.29	233.95	30.30	233.95	30.31	232.80	30.31	232.80	30.32	232.80	30.32
	22.00	20.0	245.71	30.11	245.71	30.12	244.96	29.91	244.58	29.56	245.90	29.22	241.50	29.00
	27.00	24.0	258.60	29.93	257.97	29.94	257.76	29.51	257.49	28.80	262.78	28.12	258.39	27.67
	32.00	29.0	298.39	29.75	298.03	29.76	296.31	29.11	290.48	28.05	283.89	27.02	279.49	26.35
	37.00	34.0	340.44	29.57	336.11	29.57	326.98	28.71	311.59	27.30	301.40	25.92	286.33	25.03
	42.00	38.0	372.00	29.39	358.00	29.39	341.78	28.31	324.00	26.54	301.40	24.82	286.33	23.71
	47.00	43.0	380.94	29.21	362.77	29.21	346.60	27.91	324.00	25.79	301.40	23.72	286.33	22.38
	52.00	47.0	386.25	29.03	369.21	27.71	346.60	25.73	324.00	23.80	301.40	21.92	286.33	20.70
	57.00	52.0	391.81	27.00	369.21	25.18	346.60	23.41	324.00	21.69	301.40	20.01	286.33	18.92
	62.00	56.0	391.81	25.12	369.21	23.46	346.60	21.83	324.00	20.25	301.40	18.71	286.33	17.70
	67.00	61.0	391.81	23.10	369.21	21.59	346.60	20.12	324.00	18.69	301.40	17.29	286.33	16.37
	72.00	66.0	391.81	21.36	369.21	19.99	346.60	18.65	324.00	17.34	301.40	16.06	286.33	15.23
	75.00	69.0	391.81	20.32	369.21	19.03	346.60	17.77	324.00	16.53	301.40	15.33	286.33	14.54
80	-3.00	-4.0	178.40	31.04	177.58	31.42	177.31	31.74	177.31	32.24	176.94	32.57	176.21	31.10
	2.00	1.0	185.14	32.48	184.75	32.73	184.25	32.94	184.06	33.38	183.89	33.60	183.55	30.92
	7.00	6.0	197.43	30.68	197.13	30.69	196.57	30.70	196.34	30.70	196.21	30.71	195.93	30.71
	12.00	10.0	214.89	30.52	214.65	30.52	214.57	30.53	213.77	30.53	213.66	30.54	213.45	30.54
	17.00	15.0	231.61	30.31	230.76	30.31	230.47	30.32	230.47	30.32	227.07	30.33	226.98	30.33
	22.00	20.0	243.11	29.93	243.11	29.62	243.11	29.32	241.99	29.02	229.61	28.73	220.60	28.55
	27.00	24.0	278.65	29.56	277.08	28.93	271.16	28.32	258.87	27.72	253.01	27.14	243.09	26.77
	32.00	29.0	319.65	29.19	309.34	28.24	295.54	27.32	279.98	26.43	267.91	25.55	254.51	24.98
	37.00	34.0	336.00	28.82	320.00	27.55	304.00	26.32	288.00	25.13	267.91	23.96	254.51	23.20
	42.00	38.0	336.00	28.44	320.00	26.87	304.00	25.33	288.00	23.83	267.91	22.37	254.51	21.42
	47.00	43.0	336.00	28.07	320.00	26.18	304.00	24.33	288.00	22.53	267.91	20.78	254.51	19.64
	52.00	47.0	336.00	25.87	320.00	24.15	304.00	22.47	288.00	20.84	267.91	19.24	254.51	18.21
	57.00	52.0	336.00	23.54	320.00	22.01	304.00	20.51	288.00	19.04	267.91	17.61	254.51	16.68
	62.00	56.0	336.00	21.95	320.00	20.54	304.00	19.16	288.00	17.81	267.91	16.49	254.51	15.63
	67.00	61.0	336.00	20.23	320.00	18.95	304.00	17.70	288.00	16.47	267.91	15.28	254.51	14.49
	72.00	66.0	336.00	18.75	320.00	17.58	304.00	16.44	288.00	15.32	267.91	14.22	254.51	13.51
	75.00	69.0	336.00	17.86	320.00	16.76	304.00	15.68	288.00	14.63	267.91	13.59	254.51	12.92
70	-3.00	-4.0	176.62	31.07	176.62	31.08	175.90	31.09	175.53	31.10	175.53	31.11	175.53	31.12
	2.00	1.0	183.29	30.89	183.29	30.90	182.95	30.91	182.22	30.92	181.47	30.93	181.77	30.93
	7.00	6.0	195.47	30.70	195.47	30.70	195.19	30.71	194.38	30.71	191.30	30.72	190.51	30.72
	12.00	10.0	215.18	30.53	215.18	30.54	214.96	30.54	211.63	30.55	201.58	30.55	199.88	30.55
	17.00	15.0	240.12	30.32	239.23	30.32	234.20	30.32	223.56	30.33	211.34	30.33	209.55	30.34
	22.00	20.0	264.56	29.27	255.37	29.01	244.14	28.76	231.49	28.51	226.36	28.27	222.70	28.12
	27.00	24.0	289.11	28.22	275.31	27.70	261.95	27.19	248.37	26.70	234.42	26.21	222.70	25.90
	32.00	29.0	293.33	27.17	279.33	26.39	265.78	25.62	252.00	24.88	234.42	24.15	222.70	23.68
	37.00	34.0	293.33	26.12	279.33	25.08	265.78	24.06	252.00	23.06	234.42	22.09	222.70	21.46
	42.00	38.0	293.33	25.07	279.33	23.77	265.78	22.49	252.00	21.24	234.42	20.03	222.70	19.24
	47.00	43.0	293.33	24.03	279.33	22.46	265.78	20.92	252.00	19.43	234.42	17.97	222.70	17.02
	52.00	47.0	293.33	22.20	279.33	20.77	265.78	19.38	252.00	18.01	234.42	16.68	222.70	15.81
	57.00	52.0	293.33	20.26	279.33	18.98	265.78	17.73	252.00	16.51	234.42	15.31	222.70	14.53
	62.00	56.0	293.33	18.93	279.33	17.75	265.78	16.60	252.00	15.47	234.42	14.37	222.70	13.65
	67.00	61.0	293.33	17.49	279.33	16.42	265.78	15.37	252.00	14.35	234.42	13.34	222.70	12.68
	72.00	66.0	293.33	16.25	279.33	15.27	265.78	14.31	252.00	13.37	234.42	12.45	222.70	11.85
	75.00	69.0	293.33	15.50	279.33	14.58	265.78	13.68	252.00	12.79	234.42	11.92	222.70	11.35
60	-3.00	-4.0	168.20	31.10	164.88	31.11	161.17	31.12	157.65	31.13	154.09	31.13	152.77	31.14
	2.00	1.0	182.44	30.91	177.36	30.92	171.97	30.93	166.73	30.93	161.26	30.94	159.24	30.95
	7.00	6.0	201.54	30.71	194.46	30.72	187.16	30.72	179.96	30.73	172.34	30.73	169.52	30.74
	12.00	10.0	221.58	30.54	212.34	30.55	202.99	30.55	193.69	30.56	183.75	30.56	180.07	30.56
	17.00	15.0	242.56	30.33	231.01	30.33	219.46	30.33	207.91	30.34	195.48	30.34	190.88	29.90
	22.00	20.0	249.11	28.64	237.24	28.43	225.38	28.23	216.00	28.03	200.93	27.83	190.88	27.34
	27.00	24.0	255.39	26.95	243.23	26.53	231.07	26.12	216.00	25.72	200.93	25.32	190.88	24.77
	32.00	29.0	255.39	25.27	243.23	24.63	231.07	24.01	216.00	23.41	200.93	22.82	190.88	22.21
	37.00	34.0	255.39	23.58	243.23	22.73	231.07	21.91	216.00	21.10	200.93	20.31	190.88	19.64
	42.00	38.0	255.39	21.89	243.23	20.84	231.07	19.80	216.00	18.79	200.93	17.80	190.88	17.08
	47.00	43.0	261.21	20.21	246.14	18.94	231.07	17.69	216.00	16.48	200.93	15.29	190.88	14.51
	52.00	47.0	261.21	18.72	246.14	17.57	231.07	16.43	216.00	15.32	200.93	14.24	190.88	13.52
	57.00	52.0	261.21	17.15	246.14	16.11	231.07	15.09	216.00	14.09	200.93	13.11	190.88	12.47
	62.00	56.0	261.21	16.06	246.14	15.10	231.07	14.16	216.00	13.24	200.93	12.33	190.88	11.74
	67.00	61.0	261.21	14.88	246.14	14.01	231.07	13.15	216.00	12.31	200.93	11.49	190.88	10.94
	72.00	66.0	261.21	13.86	246.14	13.06	231.07	12.28	216.00	11.51	200.93	10.75	190.88	10.25
	75.00	69.0	261.21	13.25	246.14	12.50	231.07	11.76	216.00	11.03	200.93	10.31	190.88	9.84

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	159.09	31.12	155.49	31.13	151.49	31.14	147.69	31.15	144.00	31.16	136.80	31.16
	2.00	1.0	169.98	30.93	164.45	30.94	158.62	30.94	152.94	30.95	147.35	30.96	139.98	30.96
	7.00	6.0	185.23	30.73	177.52	30.73	169.61	30.74	161.80	30.74	154.05	30.74	146.34	30.75
	12.00	10.0	201.13	30.56	191.08	30.56	180.92	30.56	170.82	30.57	160.74	30.57	152.71	29.60
	17.00	15.0	217.68	30.34	205.12	30.34	192.56	30.22	180.00	27.90	167.44	25.65	159.07	24.18
	22.00	20.0	217.67	28.05	205.12	27.89	192.56	27.62	180.00	25.53	167.44	23.50	159.07	22.17
	27.00	24.0	217.67	25.76	205.12	25.43	192.56	25.02	180.00	23.16	167.44	21.35	159.07	20.17
	32.00	29.0	217.67	23.47	205.12	22.98	192.56	22.43	180.00	20.79	167.44	19.20	159.07	18.16
	37.00	34.0	217.67	21.19	205.12	20.52	192.56	19.83	180.00	18.42	167.44	17.05	159.07	16.15
	42.00	38.0	217.67	18.90	205.12	18.07	192.56	17.24	180.00	16.05	167.44	14.89	159.07	14.14
	47.00	43.0	217.67	16.61	205.12	15.62	192.56	14.64	180.00	13.68	167.44	12.74	159.07	12.13
	52.00	47.0	217.67	15.44	205.12	14.54	192.56	13.64	180.00	12.77	167.44	11.91	159.07	11.34
	57.00	52.0	217.67	14.20	205.12	13.38	192.56	12.58	180.00	11.79	167.44	11.01	159.07	10.50
	62.00	56.0	217.67	13.34	205.12	12.58	192.56	11.84	180.00	11.11	167.44	10.39	159.07	9.91
	67.00	61.0	217.67	12.40	205.12	11.71	192.56	11.03	180.00	10.36	167.44	9.71	159.07	9.27
	72.00	66.0	217.67	11.59	205.12	10.96	192.56	10.33	180.00	9.72	167.44	9.11	159.07	8.72
	75.00	69.0	217.67	11.11	205.12	10.51	192.56	9.92	180.00	9.33	167.44	8.76	159.07	8.38

Tc: Total Capacity

PI: Power Input

Table 78 —38VMA360HDS5-1, 38VMA360HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	194.61	24.35	193.74	25.04	193.45	25.61	193.03	26.22	192.28	26.71	192.28	27.06
	2.00	1.0	210.17	26.30	209.28	26.82	208.56	27.30	207.79	27.74	207.58	28.07	207.16	28.33
	7.00	6.0	228.63	28.20	227.70	28.58	226.88	28.92	226.62	29.22	225.91	29.43	225.39	29.57
	12.00	10.0	243.54	30.20	242.61	30.42	241.71	30.57	241.41	30.66	240.77	30.77	240.17	30.81
	17.00	15.0	256.94	32.12	256.01	32.12	255.71	32.13	254.47	32.14	254.06	32.15	253.24	32.16
	22.00	20.0	281.23	31.93	280.28	31.94	279.96	31.94	278.69	31.95	278.26	31.96	277.41	31.96
	27.00	24.0	298.93	31.74	298.69	31.75	297.98	31.75	297.35	31.76	296.29	31.77	296.08	31.77
	32.00	29.0	320.60	31.55	320.03	31.56	319.50	31.56	318.57	31.57	317.81	31.58	317.30	31.58
	37.00	34.0	344.60	31.36	344.12	31.37	343.53	31.37	342.68	31.38	341.83	31.38	341.40	31.39
	42.00	38.0	400.12	31.17	399.70	31.18	399.01	31.18	389.00	31.19	388.00	31.19	387.64	31.20
	47.00	43.0	441.17	30.98	431.17	30.99	421.17	30.99	411.17	31.00	401.17	31.00	394.50	31.00
	52.00	47.0	458.90	30.79	448.90	30.80	438.90	30.80	428.90	30.81	418.90	30.81	412.23	30.81
	57.00	52.0	481.06	30.56	471.06	30.56	461.06	30.56	451.06	30.57	441.06	30.57	434.26	30.56
	62.00	56.0	498.79	30.37	488.79	30.37	478.79	30.37	468.79	30.38	457.12	30.19	434.26	28.41
	67.00	61.0	520.95	30.13	510.95	30.13	500.95	30.13	490.95	30.14	457.12	27.71	434.26	26.10
	72.00	66.0	543.12	29.89	533.12	29.89	523.12	29.89	491.40	27.82	457.12	25.57	434.26	24.11
	75.00	69.0	556.42	29.74	546.41	29.75	536.41	29.75	491.67	26.44	457.12	24.29	434.26	22.92
120	-3.00	-4.0	193.45	25.50	193.45	25.94	192.67	26.40	192.28	26.99	191.62	27.42	191.12	27.73
	2.00	1.0	208.98	27.12	208.51	27.51	207.56	27.85	207.16	28.36	206.39	28.64	205.97	28.87
	7.00	6.0	227.39	28.81	226.82	29.03	225.80	29.28	225.39	29.68	224.98	29.82	224.16	29.98
	12.00	10.0	242.30	30.56	241.64	30.63	241.18	30.72	240.17	30.94	239.76	31.01	238.93	31.06
	17.00	15.0	255.71	32.13	254.78	32.14	254.47	32.14	253.24	32.15	253.24	32.16	253.24	32.16
	22.00	20.0	279.96	31.94	279.00	31.95	278.69	31.95	277.41	31.96	277.41	31.97	277.41	31.97
	27.00	24.0	297.66	31.75	297.43	31.76	296.71	31.76	296.08	31.77	295.77	31.78	295.13	31.78
	32.00	29.0	319.33	31.56	318.76	31.56	318.23	31.57	317.30	31.58	317.13	31.58	316.79	31.59
	37.00	34.0	343.32	31.37	342.84	31.37	342.25	31.38	342.04	31.39	351.02	31.39	350.58	31.39
	42.00	38.0	379.31	31.18	378.91	31.18	378.24	31.19	377.98	31.19	368.75	31.20	368.23	31.20
	47.00	43.0	427.84	30.99	418.60	30.99	409.37	31.00	400.14	31.00	390.91	31.01	384.76	31.01
	52.00	47.0	445.57	30.80	436.33	30.80	427.10	30.81	417.87	30.81	408.64	30.82	400.86	30.61
	57.00	52.0	467.73	30.56	458.50	30.57	449.27	30.57	440.03	30.57	421.95	29.53	400.86	27.80
	62.00	56.0	485.46	30.37	476.23	30.37	467.00	30.38	453.60	29.92	421.95	27.47	400.86	25.88
	67.00	61.0	507.62	30.13	498.39	30.13	485.25	29.73	453.60	27.46	421.95	25.24	400.86	23.81
	72.00	66.0	529.78	29.89	516.89	29.54	485.25	27.41	453.60	25.35	421.95	23.34	400.86	22.03
	75.00	69.0	543.08	29.75	528.00	29.19	485.25	26.02	453.60	24.08	421.95	22.19	400.86	20.96
110	-3.00	-4.0	192.28	26.28	192.28	26.81	191.50	27.21	191.12	27.65	190.73	28.03	189.95	28.21
	2.00	1.0	207.79	27.79	207.32	28.15	206.79	28.46	205.97	28.78	205.78	29.12	205.40	29.23
	7.00	6.0	226.16	29.24	225.58	29.50	225.08	29.71	224.16	29.91	224.01	30.12	223.70	30.17
	12.00	10.0	241.06	30.67	240.40	30.87	239.94	30.97	239.82	31.01	238.82	31.16	238.58	31.12
	17.00	15.0	254.47	32.14	254.47	32.15	253.65	32.15	253.24	32.16	252.00	32.17	252.00	32.17
	22.00	20.0	278.69	31.95	277.73	31.96	277.41	31.96	277.41	31.97	276.14	31.98	276.14	31.81
	27.00	24.0	297.35	31.76	296.64	31.76	296.19	31.77	295.13	31.78	294.50	31.78	293.87	31.44
	32.00	29.0	318.57	31.57	318.19	31.57	317.56	31.58	316.79	31.58	316.03	31.59	316.03	31.07
	37.00	34.0	342.68	31.38	342.20	31.38	341.61	31.39	340.76	31.39	339.48	31.40	338.20	30.71
	42.00	38.0	369.02	31.19	368.44	31.19	367.90	31.20	366.95	31.20	358.49	31.20	349.18	30.34
	47.00	43.0	414.50	31.00	406.04	31.00	397.58	31.00	389.11	31.01	380.65	31.01	367.45	29.97
	52.00	47.0	432.23	30.81	423.77	30.81	415.31	30.81	406.85	30.82	386.79	29.34	367.45	27.62
	57.00	52.0	454.39	30.57	445.93	30.57	437.47	30.57	415.80	29.02	386.79	26.66	367.45	25.13
	62.00	56.0	472.12	30.38	463.66	30.38	444.81	29.23	415.80	27.00	386.79	24.84	367.45	23.43
	67.00	61.0	494.29	30.14	473.82	28.90	444.81	26.83	415.80	24.82	386.79	22.86	367.45	21.59
	72.00	66.0	502.83	28.59	473.82	26.66	444.81	24.78	415.80	22.95	386.79	21.17	367.45	20.01
	75.00	69.0	507.95	27.66	473.82	25.32	444.81	23.55	415.80	21.83	386.79	20.15	367.45	19.06
100	-3.00	-4.0	191.87	27.24	191.30	27.57	191.12	27.85	189.95	28.29	189.95	28.58	189.95	30.01
	2.00	1.0	206.60	28.50	206.13	28.72	205.97	28.90	205.40	29.29	204.78	29.48	204.78	30.96
	7.00	6.0	225.39	29.73	224.47	29.87	224.16	30.00	223.70	30.30	222.93	30.40	222.93	31.92
	12.00	10.0	240.17	30.96	239.91	31.00	239.23	31.07	238.58	31.26	238.29	31.30	237.70	32.86
	17.00	15.0	253.24	32.15	253.24	32.16	252.41	32.16	252.00	32.17	251.59	32.18	250.76	32.18
	22.00	20.0	277.41	31.96	277.41	31.97	276.56	31.97	276.14	31.98	275.72	31.56	274.87	31.29
	27.00	24.0	296.08	31.77	295.37	31.77	294.92	31.78	293.87	31.78	293.77	30.94	293.55	30.39
	32.00	29.0	317.30	31.58	316.92	31.58	316.29	31.59	316.03	31.59	313.24	30.32	308.67	29.49
	37.00	34.0	341.40	31.38	340.92	31.39	340.33	31.39	338.20	31.39	325.39	29.70	313.86	28.60
	42.00	38.0	374.65	31.19	374.05	31.20	368.23	31.20	355.93	31.20	336.15	29.08	322.97	27.70
	47.00	43.0	411.50	31.00	402.36	31.01	385.78	31.01	378.00	31.00	351.63	28.46	334.05	26.80
	52.00	47.0	431.76	30.81	411.20	30.81	403.51	30.82	378.00	28.55	351.63	26.24	334.05	24.74
	57.00	52.0	441.06	30.57	430.74	30.26	404.37	28.08	378.00	25.96	351.63	23.90	334.05	22.56
	62.00	56.0	457.12	30.19	430.74	28.14	404.37	26.14	378.00	24.20	351.63	22.30	334.05	21.07
	67.00	61.0	457.12	27.71	430.74	25.85	404.37	24.04	378.00	22.28	351.63	20.57	334.05	19.45
	72.00	66.0	457.12	25.57	430.74	23.89	404.37	22.24	378.00	20.64	351.63	19.07	334.05	18.05
	75.00	69.0	457.12	24.29	430.74	22.71	404.37	21.16	378.00	19.65	351.63	18.18	334.05	17.22

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	189.21	29.96	188.34	30.32	188.05	30.64	188.05	31.11	186.90	31.43	186.90	33.01
	2.00	1.0	200.40	31.35	199.99	31.59	199.44	31.79	199.24	32.22	198.49	32.43	198.08	34.05
	7.00	6.0	215.94	32.56	215.60	32.56	215.00	32.57	214.75	32.58	214.06	32.59	213.56	32.60
	12.00	10.0	230.23	32.38	229.98	32.39	229.32	32.40	229.04	32.41	228.41	32.41	227.84	32.42
	17.00	15.0	245.64	32.16	245.64	32.17	245.64	32.17	244.44	32.18	244.44	32.19	244.44	32.19
	22.00	20.0	258.00	31.97	258.00	31.98	257.21	31.75	256.81	31.38	258.19	31.02	253.57	30.79
	27.00	24.0	271.52	31.78	270.87	31.78	270.65	31.33	270.36	30.58	275.92	29.85	271.30	29.38
	32.00	29.0	313.31	31.58	312.93	31.59	311.13	30.90	305.01	29.78	298.08	28.69	293.47	27.98
	37.00	34.0	357.46	31.39	352.92	31.40	343.33	30.48	327.17	28.98	316.47	27.52	300.64	26.57
	42.00	38.0	390.60	31.20	375.90	31.20	358.87	30.06	340.20	28.18	316.47	26.35	300.64	25.17
	47.00	43.0	399.99	31.01	380.91	31.01	363.93	29.63	340.20	27.38	316.47	25.19	300.64	23.76
	52.00	47.0	405.56	30.82	387.67	29.42	363.93	27.31	340.20	25.27	316.47	23.28	300.64	21.98
	57.00	52.0	411.40	28.66	387.67	26.73	363.93	24.86	340.20	23.03	316.47	21.25	300.64	20.09
	62.00	56.0	411.40	26.67	387.67	24.90	363.93	23.18	340.20	21.50	316.47	19.86	300.64	18.79
	67.00	61.0	411.40	24.52	387.67	22.92	363.93	21.36	340.20	19.84	316.47	18.35	300.64	17.38
	72.00	66.0	411.40	22.68	387.67	21.22	363.93	19.80	340.20	18.41	316.47	17.05	300.64	16.16
	75.00	69.0	411.40	21.57	387.67	20.20	363.93	18.86	340.20	17.55	316.47	16.27	300.64	15.43
80	-3.00	-4.0	187.32	32.96	186.46	33.35	186.17	33.70	186.17	34.23	185.79	34.58	185.02	33.02
	2.00	1.0	194.40	34.49	193.99	34.75	193.46	34.97	193.26	35.44	193.08	35.67	192.72	32.82
	7.00	6.0	207.31	32.57	206.98	32.58	206.40	32.59	206.16	32.59	206.02	32.60	205.73	32.61
	12.00	10.0	225.63	32.40	225.38	32.40	225.30	32.41	224.46	32.42	224.34	32.42	224.12	32.43
	17.00	15.0	243.19	32.17	242.29	32.18	242.00	32.18	242.00	32.19	238.42	32.19	238.32	32.20
	22.00	20.0	255.27	31.78	255.27	31.45	255.27	31.12	254.09	30.81	241.09	30.51	231.63	30.31
	27.00	24.0	292.58	31.38	290.93	30.72	284.72	30.07	271.82	29.43	265.66	28.82	255.25	28.42
	32.00	29.0	335.63	30.99	324.81	29.98	310.31	29.01	293.98	28.05	281.30	27.13	267.24	26.52
	37.00	34.0	352.80	30.59	336.00	29.25	319.20	27.95	302.40	26.68	281.30	25.44	267.24	24.63
	42.00	38.0	352.80	30.20	336.00	28.52	319.20	26.89	302.40	25.30	281.30	23.75	267.24	22.74
	47.00	43.0	352.80	29.80	336.00	27.79	319.20	25.83	302.40	23.92	281.30	22.06	267.24	20.85
	52.00	47.0	352.80	27.47	336.00	25.64	319.20	23.86	302.40	22.12	281.30	20.43	267.24	19.33
	57.00	52.0	352.80	25.00	336.00	23.36	319.20	21.77	302.40	20.22	281.30	18.70	267.24	17.71
	62.00	56.0	352.80	23.30	336.00	21.81	319.20	20.34	302.40	18.91	281.30	17.51	267.24	16.60
	67.00	61.0	352.80	21.48	336.00	20.12	319.20	18.79	302.40	17.49	281.30	16.22	267.24	15.39
	72.00	66.0	352.80	19.90	336.00	18.66	319.20	17.45	302.40	16.26	281.30	15.10	267.24	14.34
	75.00	69.0	352.80	18.96	336.00	17.79	319.20	16.65	302.40	15.53	281.30	14.43	267.24	13.71
70	-3.00	-4.0	185.45	32.99	185.45	33.00	184.69	33.01	184.31	33.02	184.31	33.03	184.31	33.04
	2.00	1.0	192.46	32.80	192.46	32.81	192.10	32.82	191.33	32.82	190.55	32.83	190.86	32.84
	7.00	6.0	205.24	32.59	205.24	32.60	204.95	32.60	204.10	32.61	200.87	32.61	200.04	32.62
	12.00	10.0	225.94	32.41	225.94	32.42	225.71	32.42	222.21	32.43	211.66	32.43	209.88	32.44
	17.00	15.0	252.12	32.18	251.19	32.19	245.91	32.19	234.74	32.20	221.90	32.20	220.03	32.21
	22.00	20.0	277.78	31.07	268.14	30.80	256.35	30.53	243.06	30.27	237.68	30.02	233.83	29.85
	27.00	24.0	303.57	29.96	289.08	29.41	275.05	28.87	260.79	28.34	246.14	27.83	233.83	27.49
	32.00	29.0	308.00	28.85	293.30	28.02	279.07	27.20	264.60	26.41	246.14	25.64	233.83	25.14
	37.00	34.0	308.00	27.73	293.30	26.62	279.07	25.54	264.60	24.48	246.14	23.45	233.83	22.78
	42.00	38.0	308.00	26.62	293.30	25.23	279.07	23.88	264.60	22.55	246.14	21.26	233.83	20.42
	47.00	43.0	308.00	25.51	293.30	23.84	279.07	22.21	264.60	20.62	246.14	19.08	233.83	18.06
	52.00	47.0	308.00	23.57	293.30	22.05	279.07	20.57	264.60	19.12	246.14	17.71	233.83	16.79
	57.00	52.0	308.00	21.51	293.30	20.15	279.07	18.82	264.60	17.53	246.14	16.26	233.83	15.43
	62.00	56.0	308.00	20.10	293.30	18.85	279.07	17.63	264.60	16.43	246.14	15.25	233.83	14.49
	67.00	61.0	308.00	18.57	293.30	17.43	279.07	16.32	264.60	15.23	246.14	14.16	233.83	13.47
	72.00	66.0	308.00	17.25	293.30	16.21	279.07	15.20	264.60	14.20	246.14	13.22	233.83	12.58
	75.00	69.0	308.00	16.46	293.30	15.48	279.07	14.52	264.60	13.58	246.14	12.65	233.83	12.05
60	-3.00	-4.0	176.61	33.01	173.13	33.02	169.23	33.03	165.54	33.04	161.80	33.05	160.41	33.06
	2.00	1.0	191.57	32.82	186.23	32.83	180.57	32.83	175.07	32.84	169.33	32.85	167.20	32.85
	7.00	6.0	211.62	32.60	204.18	32.61	196.51	32.62	188.96	32.62	180.96	32.63	178.00	32.63
	12.00	10.0	232.66	32.43	222.96	32.43	213.14	32.43	203.38	32.44	192.94	32.44	189.07	32.45
	17.00	15.0	254.69	32.20	242.56	32.20	230.43	32.20	218.30	32.21	205.26	32.21	200.43	31.75
	22.00	20.0	261.56	30.41	249.11	30.18	236.65	29.97	226.80	29.76	210.98	29.55	200.43	29.02
	27.00	24.0	268.16	28.61	255.39	28.17	242.62	27.73	226.80	27.30	210.98	26.89	200.43	26.30
	32.00	29.0	268.16	26.82	255.39	26.15	242.62	25.49	226.80	24.85	210.98	24.22	200.43	23.58
	37.00	34.0	268.16	25.03	255.39	24.14	242.62	23.26	226.80	22.40	210.98	21.56	200.43	20.85
	42.00	38.0	268.16	23.24	255.39	22.12	242.62	21.02	226.80	19.95	210.98	18.90	200.43	18.13
	47.00	43.0	274.27	21.45	258.45	20.10	242.62	18.78	226.80	17.49	210.98	16.23	200.43	15.41
	52.00	47.0	274.27	19.88	258.45	18.65	242.62	17.45	226.80	16.27	210.98	15.11	200.43	14.36
	57.00	52.0	274.27	18.20	258.45	17.10	242.62	16.02	226.80	14.96	210.98	13.92	200.43	13.24
	62.00	56.0	274.27	17.05	258.45	16.03	242.62	15.03	226.80	14.05	210.98	13.09	200.43	12.46
	67.00	61.0	274.27	15.80	258.45	14.87	242.62	13.96	226.80	13.07	210.98	12.19	200.43	11.62
	72.00	66.0	274.27	14.72	258.45	13.87	242.62	13.04	226.80	12.22	210.98	11.41	200.43	10.88
	75.00	69.0	274.27	14.07	258.45	13.27	242.62	12.48	226.80	11.71	210.98	10.94	200.43	10.44

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	167.04	33.04	163.26	33.05	159.07	33.06	155.08	33.07	151.20	33.08	143.64	33.08
	2.00	1.0	178.48	32.84	172.68	32.85	166.55	32.85	160.59	32.86	154.72	32.86	146.98	32.87
	7.00	6.0	194.49	32.62	186.40	32.63	178.09	32.63	169.89	32.63	161.75	32.64	153.66	32.64
	12.00	10.0	211.18	32.44	200.63	32.44	189.96	32.45	179.36	32.45	168.78	32.45	160.34	31.43
	17.00	15.0	228.56	32.21	215.37	32.21	202.19	32.08	189.00	29.62	175.81	27.23	167.02	25.67
	22.00	20.0	228.56	29.78	215.37	29.61	202.19	29.32	189.00	27.10	175.81	24.94	167.02	23.54
	27.00	24.0	228.56	27.35	215.37	27.00	202.19	26.57	189.00	24.59	175.81	22.66	167.02	21.41
	32.00	29.0	228.56	24.92	215.37	24.40	202.19	23.81	189.00	22.07	175.81	20.38	167.02	19.28
	37.00	34.0	228.56	22.49	215.37	21.79	202.19	21.06	189.00	19.56	175.81	18.10	167.02	17.14
	42.00	38.0	228.56	20.06	215.37	19.18	202.19	18.30	189.00	17.04	175.81	15.81	167.02	15.01
	47.00	43.0	228.56	17.64	215.37	16.58	202.19	15.54	189.00	14.53	175.81	13.53	167.02	12.88
	52.00	47.0	228.56	16.40	215.37	15.43	202.19	14.48	189.00	13.55	175.81	12.64	167.02	12.04
	57.00	52.0	228.56	15.07	215.37	14.21	202.19	13.35	189.00	12.51	175.81	11.69	167.02	11.15
	62.00	56.0	228.56	14.16	215.37	13.36	202.19	12.57	189.00	11.79	175.81	11.03	167.02	10.53
	67.00	61.0	228.56	13.17	215.37	12.44	202.19	11.71	189.00	11.00	175.81	10.31	167.02	9.85
	72.00	66.0	228.56	12.31	215.37	11.63	202.19	10.97	189.00	10.32	175.81	9.68	167.02	9.25
	75.00	69.0	228.56	11.79	215.37	11.15	202.19	10.53	189.00	9.91	175.81	9.30	167.02	8.90

Tc: Total Capacity

PI: Power Input

Table 79 —38VMA384HDS5-1, 38VMA384HDS6-1

CONNCETED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	212.12	26.40	211.16	27.14	210.85	27.76	210.39	28.42	209.58	28.96	209.58	29.33
	2.00	1.0	229.08	28.51	228.10	29.07	227.32	29.59	226.48	30.07	226.25	30.43	225.80	30.71
	7.00	6.0	249.19	30.56	248.18	30.98	247.29	31.35	247.01	31.67	246.22	31.90	245.67	32.05
	12.00	10.0	265.45	32.73	264.43	32.97	263.45	33.14	263.13	33.23	262.42	33.35	261.78	33.39
	17.00	15.0	280.05	34.81	279.04	34.82	278.71	34.83	277.36	34.84	276.91	34.85	276.01	34.85
	22.00	20.0	306.53	34.61	305.49	34.61	305.14	34.62	303.75	34.63	303.29	34.64	302.37	34.65
	27.00	24.0	325.81	34.40	325.56	34.41	324.78	34.42	324.09	34.42	322.94	34.43	322.71	34.44
	32.00	29.0	349.44	34.20	348.82	34.20	348.24	34.21	347.23	34.22	346.40	34.22	345.84	34.23
	37.00	34.0	375.60	33.99	375.07	34.00	374.43	34.00	373.50	34.01	372.57	34.02	372.11	34.02
	42.00	38.0	436.11	33.79	435.66	33.79	434.89	33.80	423.99	33.80	422.90	33.81	422.51	33.81
	47.00	43.0	480.85	33.58	469.95	33.59	459.05	33.59	448.15	33.60	437.25	33.60	429.98	33.61
	52.00	47.0	500.18	33.38	489.28	33.38	478.38	33.39	467.48	33.39	456.58	33.40	449.31	33.40
	57.00	52.0	524.33	33.12	513.43	33.12	502.53	33.13	491.63	33.13	480.73	33.14	473.32	33.12
	62.00	56.0	543.66	32.91	532.76	32.92	521.86	32.92	510.96	32.92	498.23	32.73	473.32	30.80
	67.00	61.0	567.81	32.65	556.91	32.66	546.01	32.66	535.11	32.67	498.23	30.03	473.32	28.29
	72.00	66.0	591.97	32.39	581.07	32.40	570.17	32.40	535.60	30.16	498.23	27.72	473.32	26.13
	75.00	69.0	606.46	32.24	595.56	32.24	584.66	32.25	535.89	28.65	498.23	26.33	473.32	24.84
120	-3.00	-4.0	210.85	27.64	210.85	28.12	210.00	28.62	209.58	29.25	208.85	29.72	208.31	30.05
	2.00	1.0	227.78	29.40	227.27	29.82	226.23	30.19	225.80	30.73	224.95	31.04	224.50	31.29
	7.00	6.0	247.85	31.23	247.22	31.46	246.11	31.73	245.67	32.17	245.22	32.33	244.32	32.49
	12.00	10.0	264.09	33.12	263.37	33.19	262.87	33.29	261.78	33.54	261.33	33.61	260.43	33.67
	17.00	15.0	278.71	34.82	277.70	34.83	277.36	34.84	276.01	34.85	276.01	34.86	276.01	34.86
	22.00	20.0	305.14	34.62	304.10	34.62	303.75	34.63	302.37	34.64	302.37	34.65	302.37	34.65
	27.00	24.0	324.44	34.41	324.18	34.42	323.40	34.43	322.71	34.43	322.37	34.44	321.68	34.44
	32.00	29.0	348.06	34.21	347.43	34.21	346.86	34.22	345.84	34.23	345.66	34.23	345.29	34.24
	37.00	34.0	374.20	34.00	373.68	34.01	373.04	34.01	372.80	34.02	382.59	34.02	382.11	34.03
	42.00	38.0	413.42	33.79	412.99	33.80	412.27	33.81	411.98	33.81	401.91	33.82	401.35	33.82
	47.00	43.0	466.32	33.59	456.26	33.59	446.19	33.60	436.13	33.60	426.07	33.61	419.36	33.61
	52.00	47.0	485.64	33.38	475.58	33.39	465.52	33.39	455.46	33.40	445.40	33.40	436.91	33.18
	57.00	52.0	509.80	33.13	499.74	33.13	489.68	33.13	479.61	33.14	459.91	32.01	436.91	30.13
	62.00	56.0	529.12	32.92	519.06	32.92	509.00	32.93	494.40	32.43	459.91	29.77	436.91	28.05
	67.00	61.0	553.28	32.66	543.22	32.66	528.89	32.23	494.40	29.76	459.91	27.36	436.91	25.80
	72.00	66.0	577.44	32.40	563.39	32.02	528.89	29.71	494.40	27.47	459.91	25.29	436.91	23.87
	75.00	69.0	591.93	32.24	575.49	31.63	528.89	28.21	494.40	26.10	459.91	24.05	436.91	22.72
110	-3.00	-4.0	209.58	28.48	209.58	29.06	208.73	29.49	208.31	29.97	207.88	30.38	207.04	30.58
	2.00	1.0	226.48	30.12	225.97	30.52	225.38	30.85	224.50	31.19	224.29	31.56	223.88	31.68
	7.00	6.0	246.50	31.70	245.88	31.97	245.33	32.20	244.32	32.42	244.16	32.65	243.82	32.70
	12.00	10.0	262.74	33.24	262.02	33.46	261.52	33.57	261.39	33.61	260.30	33.78	260.04	33.73
	17.00	15.0	277.36	34.83	277.36	34.84	276.46	34.85	276.01	34.86	274.67	34.87	274.67	34.87
	22.00	20.0	303.75	34.63	302.71	34.64	302.37	34.64	302.37	34.65	300.98	34.66	300.98	34.47
	27.00	24.0	324.09	34.42	323.32	34.43	322.83	34.43	321.68	34.44	320.99	34.45	320.30	34.08
	32.00	29.0	347.23	34.22	346.81	34.22	346.12	34.23	345.29	34.23	344.46	34.24	344.46	33.68
	37.00	34.0	373.50	34.01	372.98	34.01	372.34	34.02	371.41	34.02	370.01	34.03	368.62	33.28
	42.00	38.0	402.21	33.80	401.58	33.81	400.99	33.81	399.96	33.82	390.74	33.82	380.59	32.88
	47.00	43.0	451.78	33.60	442.56	33.60	433.34	33.60	424.11	33.61	414.89	33.61	400.50	32.49
	52.00	47.0	471.11	33.39	461.89	33.39	452.66	33.40	443.44	33.40	421.58	31.80	400.50	29.94
	57.00	52.0	495.27	33.13	486.04	33.13	476.82	33.14	453.20	31.46	421.58	28.90	400.50	27.24
	62.00	56.0	514.59	32.92	505.37	32.93	484.82	31.68	453.20	29.27	421.58	26.92	400.50	25.40
	67.00	61.0	538.75	32.66	516.44	31.33	484.82	29.09	453.20	26.90	421.58	24.78	400.50	23.40
	72.00	66.0	548.06	30.99	516.44	28.90	484.82	26.86	453.20	24.88	421.58	22.94	400.50	21.69
	75.00	69.0	553.64	29.98	516.44	27.44	484.82	25.52	453.20	23.66	421.58	21.84	400.50	20.66
100	-3.00	-4.0	209.12	29.52	208.51	29.88	208.31	30.19	207.04	30.66	207.04	30.97	207.04	32.52
	2.00	1.0	225.18	30.89	224.67	31.13	224.50	31.33	223.88	31.75	223.20	31.95	223.20	33.55
	7.00	6.0	245.67	32.22	244.66	32.38	244.32	32.51	243.82	32.84	242.98	32.95	242.98	34.60
	12.00	10.0	261.78	33.56	261.49	33.60	260.75	33.67	260.04	33.88	259.72	33.92	259.08	35.62
	17.00	15.0	276.01	34.85	276.01	34.85	275.12	34.86	274.67	34.87	274.22	34.88	273.32	34.88
	22.00	20.0	302.37	34.64	302.37	34.65	301.44	34.65	300.98	34.66	300.52	34.20	299.59	33.91
	27.00	24.0	322.71	34.43	321.94	34.44	321.45	34.44	320.30	34.45	320.19	33.53	319.96	32.94
	32.00	29.0	345.84	34.22	345.43	34.23	344.74	34.24	344.46	34.23	341.42	32.86	336.44	31.97
	37.00	34.0	372.11	34.02	371.58	34.02	370.94	34.03	368.62	34.02	354.65	32.19	342.09	30.99
	42.00	38.0	408.34	33.81	407.70	33.81	401.35	33.82	387.94	33.81	366.39	31.51	352.02	30.02
	47.00	43.0	448.51	33.60	438.55	33.61	420.48	33.61	412.00	33.60	383.26	30.84	364.09	29.05
	52.00	47.0	470.60	33.40	448.19	33.40	439.81	33.40	412.00	30.95	383.26	28.45	364.09	26.82
	57.00	52.0	480.73	33.14	469.49	32.80	440.74	30.44	412.00	28.14	383.26	25.91	364.09	24.46
	62.00	56.0	498.23	32.73	469.49	30.50	440.74	28.33	412.00	26.22	383.26	24.17	364.09	22.84
	67.00	61.0	498.23	30.03	469.49	28.02	440.74	26.06	412.00	24.15	383.26	22.29	364.09	21.08
	72.00	66.0	498.23	27.72	469.49	25.89	440.74	24.11	412.00	22.37	383.26	20.67	364.09	19.57
	75.00	69.0	498.23	26.33	469.49	24.61	440.74	22.94	412.00	21.30	383.26	19.70	364.09	18.66

CONNCETED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	206.22	32.48	205.28	32.87	204.97	33.21	204.97	33.72	203.71	34.07	203.71	35.77
	2.00	1.0	218.43	33.98	217.97	34.24	217.38	34.46	217.16	34.92	216.34	35.15	215.90	36.91
	7.00	6.0	235.36	35.29	235.00	35.30	234.34	35.31	234.07	35.31	233.31	35.32	232.77	35.33
	12.00	10.0	250.94	35.10	250.66	35.11	249.95	35.12	249.64	35.12	248.96	35.13	248.34	35.14
	17.00	15.0	267.74	34.86	267.74	34.87	267.74	34.87	266.43	34.88	266.43	34.89	266.43	34.89
	22.00	20.0	281.21	34.65	281.21	34.66	280.34	34.41	279.91	34.01	281.41	33.62	276.38	33.37
	27.00	24.0	295.95	34.44	295.23	34.45	295.00	33.95	294.68	33.14	300.74	32.36	295.71	31.84
	32.00	29.0	341.49	34.23	341.08	34.24	339.12	33.50	332.44	32.28	324.90	31.09	319.86	30.32
	37.00	34.0	389.62	34.03	384.66	34.03	374.21	33.04	356.60	31.41	344.93	29.83	327.68	28.80
	42.00	38.0	425.73	33.82	409.71	33.82	391.15	32.58	370.80	30.54	344.93	28.56	327.68	27.28
	47.00	43.0	435.97	33.61	415.17	33.61	396.67	32.12	370.80	29.67	344.93	27.30	327.68	25.76
	52.00	47.0	442.04	33.40	422.54	31.88	396.67	29.60	370.80	27.38	344.93	25.23	327.68	23.82
	57.00	52.0	448.41	31.06	422.54	28.98	396.67	26.94	370.80	24.96	344.93	23.03	327.68	21.77
	62.00	56.0	448.41	28.91	422.54	26.99	396.67	25.12	370.80	23.30	344.93	21.52	327.68	20.37
	67.00	61.0	448.41	26.58	422.54	24.85	396.67	23.15	370.80	21.50	344.93	19.89	327.68	18.84
	72.00	66.0	448.41	24.58	422.54	23.00	396.67	21.46	370.80	19.95	344.93	18.48	327.68	17.52
	75.00	69.0	448.41	23.38	422.54	21.90	396.67	20.44	370.80	19.02	344.93	17.64	327.68	16.73
80	-3.00	-4.0	204.17	35.72	203.23	36.15	202.92	36.53	202.92	37.10	202.50	37.48	201.66	35.79
	2.00	1.0	211.88	37.38	211.44	37.67	210.86	37.91	210.65	38.41	210.45	38.66	210.06	35.58
	7.00	6.0	225.95	35.30	225.60	35.31	224.96	35.32	224.70	35.33	224.55	35.34	224.24	35.34
	12.00	10.0	245.93	35.12	245.65	35.12	245.56	35.13	244.65	35.14	244.52	35.14	244.28	35.15
	17.00	15.0	265.06	34.87	264.09	34.88	263.76	34.88	263.76	34.89	259.86	34.89	259.76	34.90
	22.00	20.0	278.23	34.44	278.23	34.08	278.23	33.74	276.94	33.40	262.77	33.06	252.47	32.85
	27.00	24.0	318.90	34.02	317.10	33.29	310.33	32.59	296.27	31.90	289.56	31.23	278.20	30.80
	32.00	29.0	365.82	33.59	354.02	32.50	338.22	31.44	320.42	30.41	306.60	29.40	291.27	28.75
	37.00	34.0	384.53	33.16	366.22	31.71	347.91	30.29	329.60	28.91	306.60	27.57	291.27	26.70
	42.00	38.0	384.53	32.73	366.22	30.91	347.91	29.14	329.60	27.42	306.60	25.74	291.27	24.65
	47.00	43.0	384.53	32.30	366.22	30.12	347.91	28.00	329.60	25.93	306.60	23.91	291.27	22.60
	52.00	47.0	384.53	29.77	366.22	27.79	347.91	25.86	329.60	23.98	306.60	22.14	291.27	20.95
	57.00	52.0	384.53	27.09	366.22	25.32	347.91	23.60	329.60	21.91	306.60	20.27	291.27	19.20
	62.00	56.0	384.53	25.26	366.22	23.63	347.91	22.05	329.60	20.49	306.60	18.98	291.27	17.99
	67.00	61.0	384.53	23.28	366.22	21.80	347.91	20.36	329.60	18.95	306.60	17.58	291.27	16.68
	72.00	66.0	384.53	21.57	366.22	20.23	347.91	18.91	329.60	17.63	306.60	16.37	291.27	15.54
	75.00	69.0	384.53	20.55	366.22	19.28	347.91	18.04	329.60	16.83	306.60	15.64	291.27	14.86
70	-3.00	-4.0	202.14	35.75	202.14	35.77	201.30	35.78	200.89	35.79	200.89	35.80	200.89	35.81
	2.00	1.0	209.77	35.55	209.77	35.56	209.38	35.57	208.54	35.58	207.68	35.59	208.03	35.59
	7.00	6.0	223.70	35.32	223.70	35.33	223.39	35.34	222.46	35.34	218.94	35.35	218.03	35.35
	12.00	10.0	246.26	35.13	246.26	35.14	246.01	35.14	242.20	35.15	230.70	35.15	228.76	35.16
	17.00	15.0	274.80	34.88	273.79	34.89	268.03	34.89	255.85	34.90	241.86	34.90	239.82	34.91
	22.00	20.0	302.77	33.68	292.26	33.38	279.41	33.09	264.92	32.81	259.05	32.53	254.87	32.35
	27.00	24.0	330.87	32.47	315.08	31.87	299.79	31.29	284.25	30.72	268.28	30.16	254.87	29.80
	32.00	29.0	335.70	31.27	319.68	30.36	304.17	29.49	288.40	28.63	268.28	27.79	254.87	27.24
	37.00	34.0	335.70	30.06	319.68	28.86	304.17	27.68	288.40	26.54	268.28	25.42	254.87	24.69
	42.00	38.0	335.70	28.85	319.68	27.35	304.17	25.88	288.40	24.45	268.28	23.05	254.87	22.13
	47.00	43.0	335.70	27.65	319.68	25.84	304.17	24.08	288.40	22.35	268.28	20.68	254.87	19.58
	52.00	47.0	335.70	25.54	319.68	23.90	304.17	22.30	288.40	20.73	268.28	19.20	254.87	18.20
	57.00	52.0	335.70	23.31	319.68	21.84	304.17	20.40	288.40	19.00	268.28	17.62	254.87	16.72
	62.00	56.0	335.70	21.78	319.68	20.43	304.17	19.10	288.40	17.80	268.28	16.53	254.87	15.70
	67.00	61.0	335.70	20.13	319.68	18.90	304.17	17.69	288.40	16.51	268.28	15.35	254.87	14.60
	72.00	66.0	335.70	18.70	319.68	17.57	304.17	16.47	288.40	15.39	268.28	14.33	254.87	13.63
	75.00	69.0	335.70	17.84	319.68	16.78	304.17	15.74	288.40	14.72	268.28	13.72	254.87	13.06
60	-3.00	-4.0	192.49	35.78	188.70	35.79	184.45	35.81	180.43	35.82	176.35	35.83	174.84	35.83
	2.00	1.0	208.80	35.57	202.98	35.58	196.81	35.59	190.81	35.60	184.56	35.60	182.24	35.61
	7.00	6.0	230.65	35.34	222.55	35.35	214.19	35.35	205.96	35.36	197.24	35.36	194.01	35.37
	12.00	10.0	253.59	35.15	243.01	35.15	232.31	35.16	221.67	35.16	210.29	35.17	206.08	35.17
	17.00	15.0	277.60	34.90	264.38	34.90	251.16	34.91	237.94	34.91	223.72	34.91	218.46	34.41
	22.00	20.0	285.09	32.96	271.51	32.72	257.94	32.48	247.20	32.25	229.95	32.03	218.46	31.46
	27.00	24.0	292.28	31.01	278.36	30.53	264.45	30.06	247.20	29.59	229.95	29.14	218.46	28.51
	32.00	29.0	292.28	29.07	278.36	28.35	264.45	27.63	247.20	26.94	229.95	26.25	218.46	25.55
	37.00	34.0	292.28	27.13	278.36	26.16	264.45	25.21	247.20	24.28	229.95	23.37	218.46	22.60
	42.00	38.0	292.28	25.19	278.36	23.98	264.45	22.78	247.20	21.62	229.95	20.48	218.46	19.65
	47.00	43.0	298.94	23.25	281.69	21.79	264.45	20.36	247.20	18.96	229.95	17.59	218.46	16.70
	52.00	47.0	298.94	21.54	281.69	20.21	264.45	18.91	247.20	17.63	229.95	16.38	218.46	15.56
	57.00	52.0	298.94	19.73	281.69	18.53	264.45	17.36	247.20	16.21	229.95	15.09	218.46	14.35
	62.00	56.0	298.94	18.48	281.69	17.38	264.45	16.30	247.20	15.23	229.95	14.19	218.46	13.51
	67.00	61.0	298.94	17.13	281.69	16.12	264.45	15.14	247.20	14.17	229.95	13.22	218.46	12.59
	72.00	66.0	298.94	15.95	281.69	15.03	264.45	14.13	247.20	13.24	229.95	12.37	218.46	11.80
	75.00	69.0	298.94	15.25	281.69	14.38	264.45	13.53	247.20	12.69	229.95	11.86	218.46	11.32

CONNCETED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	182.07	35.81	177.95	35.82	173.37	35.83	169.02	35.84	164.80	35.85	156.56	35.86
	2.00	1.0	194.53	35.59	188.21	35.60	181.54	35.61	175.04	35.61	168.63	35.62	160.20	35.62
	7.00	6.0	211.98	35.36	203.16	35.36	194.11	35.37	185.17	35.37	176.30	35.38	167.48	35.38
	12.00	10.0	230.18	35.16	218.68	35.16	207.05	35.17	195.49	35.17	183.96	35.18	174.76	34.06
	17.00	15.0	249.12	34.91	234.74	34.91	220.37	34.77	206.00	32.10	191.63	29.51	182.05	27.83
	22.00	20.0	249.12	32.28	234.74	32.09	220.37	31.78	206.00	29.37	191.63	27.04	182.05	25.52
	27.00	24.0	249.12	29.64	234.74	29.27	220.37	28.80	206.00	26.65	191.63	24.56	182.05	23.20
	32.00	29.0	249.12	27.01	234.74	26.44	220.37	25.81	206.00	23.92	191.63	22.09	182.05	20.89
	37.00	34.0	249.12	24.38	234.74	23.62	220.37	22.82	206.00	21.20	191.63	19.61	182.05	18.58
	42.00	38.0	249.12	21.75	234.74	20.79	220.37	19.83	206.00	18.47	191.63	17.14	182.05	16.27
	47.00	43.0	249.12	19.12	234.74	17.97	220.37	16.85	206.00	15.75	191.63	14.66	182.05	13.96
	52.00	47.0	249.12	17.77	234.74	16.73	220.37	15.70	206.00	14.69	191.63	13.70	182.05	13.05
	57.00	52.0	249.12	16.34	234.74	15.40	220.37	14.47	206.00	13.56	191.63	12.67	182.05	12.08
	62.00	56.0	249.12	15.35	234.74	14.48	220.37	13.62	206.00	12.78	191.63	11.95	182.05	11.41
	67.00	61.0	249.12	14.27	234.74	13.48	220.37	12.70	206.00	11.93	191.63	11.17	182.05	10.67
	72.00	66.0	249.12	13.34	234.74	12.61	220.37	11.89	206.00	11.18	191.63	10.49	182.05	10.03
	75.00	69.0	249.12	12.78	234.74	12.09	220.37	11.41	206.00	10.74	191.63	10.08	182.05	9.64

Tc: Total Capacity

PI: Power Input

Table 80 —38VMA408HDS5-1, 38VMA408HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	229.62	28.20	228.59	29.00	228.25	29.66	227.76	30.36	226.87	30.94	226.87	31.34
	2.00	1.0	247.98	30.46	246.93	31.06	246.08	31.62	245.17	32.13	244.92	32.51	244.43	32.81
	7.00	6.0	269.75	32.65	268.66	33.10	267.69	33.50	267.39	33.83	266.54	34.08	265.94	34.24
	12.00	10.0	287.35	34.97	286.25	35.23	285.19	35.41	284.84	35.50	284.08	35.63	283.38	35.68
	17.00	15.0	303.16	37.19	302.07	37.20	301.71	37.21	300.25	37.22	299.76	37.23	298.79	37.24
	22.00	20.0	331.82	36.97	330.70	36.98	330.32	36.99	328.82	37.00	328.32	37.01	327.32	37.02
	27.00	24.0	352.70	36.76	352.42	36.76	351.58	36.77	350.84	36.78	349.59	36.79	349.35	36.79
	32.00	29.0	378.28	36.54	377.60	36.54	376.98	36.55	375.88	36.56	374.98	36.57	374.38	36.57
	37.00	34.0	406.59	36.32	406.03	36.33	405.33	36.33	404.33	36.34	403.32	36.35	402.81	36.35
	42.00	38.0	472.10	36.10	471.61	36.11	470.78	36.11	458.98	36.12	457.80	36.12	457.38	36.13
	47.00	43.0	520.53	35.88	508.73	35.89	496.93	35.89	485.13	35.90	473.33	35.90	465.47	35.91
	52.00	47.0	541.45	35.66	529.65	35.67	517.85	35.67	506.05	35.68	494.25	35.68	486.39	35.68
	57.00	52.0	567.60	35.39	555.80	35.39	544.00	35.40	532.20	35.40	520.40	35.40	512.38	35.39
	62.00	56.0	588.52	35.17	576.72	35.17	564.92	35.17	553.12	35.18	539.35	34.97	512.38	32.90
	67.00	61.0	614.67	34.89	602.87	34.89	591.07	34.90	579.27	34.90	539.35	32.08	512.38	30.22
	72.00	66.0	640.82	34.61	629.02	34.62	617.22	34.62	579.80	32.22	539.35	29.62	512.38	27.92
	75.00	69.0	656.51	34.45	644.71	34.45	632.91	34.45	580.12	30.61	539.35	28.13	512.38	26.54
120	-3.00	-4.0	228.25	29.54	228.25	30.04	227.33	30.58	226.87	31.25	226.09	31.76	225.50	32.11
	2.00	1.0	246.57	31.41	246.02	31.86	244.90	32.25	244.43	32.84	243.52	33.17	243.03	33.43
	7.00	6.0	268.30	33.36	267.62	33.61	266.42	33.91	265.94	34.37	265.45	34.54	264.49	34.72
	12.00	10.0	285.89	35.39	285.10	35.47	284.56	35.57	283.38	35.83	282.89	35.91	281.92	35.97
	17.00	15.0	301.71	37.21	300.61	37.22	300.25	37.22	298.79	37.23	298.79	37.24	298.79	37.25
	22.00	20.0	330.32	36.99	329.19	36.99	328.82	37.00	327.32	37.01	327.32	37.02	327.32	37.03
	27.00	24.0	351.21	36.77	350.93	36.77	350.09	36.78	349.35	36.79	348.97	36.80	348.23	36.80
	32.00	29.0	376.78	36.55	376.11	36.55	375.48	36.56	374.38	36.57	374.18	36.58	373.78	36.58
	37.00	34.0	405.08	36.33	404.51	36.33	403.82	36.34	403.57	36.35	414.16	36.35	413.64	36.36
	42.00	38.0	447.54	36.11	447.07	36.11	446.29	36.12	445.97	36.12	435.08	36.13	434.47	36.13
	47.00	43.0	504.80	35.89	493.91	35.89	483.02	35.90	472.12	35.90	461.23	35.91	453.97	35.91
	52.00	47.0	525.72	35.67	514.83	35.67	503.94	35.68	493.04	35.68	482.15	35.69	472.97	35.45
	57.00	52.0	551.87	35.39	540.98	35.40	530.09	35.40	519.19	35.41	497.86	34.20	472.97	32.19
	62.00	56.0	572.79	35.17	561.90	35.18	551.01	35.18	535.20	34.65	497.86	31.81	472.97	29.97
	67.00	61.0	598.94	34.89	588.05	34.90	572.54	34.43	535.20	31.80	497.86	29.23	472.97	27.57
	72.00	66.0	625.09	34.62	609.88	34.21	572.54	31.75	535.20	29.35	497.86	27.02	472.97	25.51
	75.00	69.0	640.78	34.45	622.98	33.80	572.54	30.14	535.20	27.89	497.86	25.70	472.97	24.27
110	-3.00	-4.0	226.87	30.43	226.87	31.05	225.96	31.51	225.50	32.02	225.04	32.46	224.12	32.67
	2.00	1.0	245.17	32.18	244.62	32.60	243.98	32.96	243.03	33.33	242.80	33.72	242.35	33.85
	7.00	6.0	266.85	33.87	266.17	34.16	265.58	34.40	264.49	34.64	264.30	34.89	263.94	34.94
	12.00	10.0	284.43	35.52	283.64	35.75	283.10	35.87	282.96	35.91	281.78	36.09	281.50	36.04
	17.00	15.0	300.25	37.22	300.25	37.23	299.28	37.24	298.79	37.24	297.33	37.25	297.33	37.26
	22.00	20.0	328.82	37.00	327.69	37.01	327.32	37.01	327.32	37.02	325.82	37.03	325.82	36.83
	27.00	24.0	350.84	36.78	350.00	36.79	349.47	36.79	348.23	36.80	347.48	36.81	346.74	36.41
	32.00	29.0	375.88	36.56	375.43	36.56	374.68	36.57	373.78	36.58	372.89	36.58	372.89	35.98
	37.00	34.0	404.33	36.34	403.76	36.34	403.07	36.35	402.06	36.35	400.55	36.36	399.04	35.56
	42.00	38.0	435.41	36.12	434.72	36.12	434.08	36.13	432.96	36.13	422.98	36.14	411.99	35.14
	47.00	43.0	489.07	35.90	479.08	35.90	469.10	35.90	459.11	35.91	449.13	35.91	433.55	34.71
	52.00	47.0	509.99	35.68	500.00	35.68	490.02	35.68	480.03	35.69	456.37	33.97	433.55	31.99
	57.00	52.0	536.14	35.40	526.15	35.40	516.17	35.41	490.60	33.61	456.37	30.88	433.55	29.11
	62.00	56.0	557.06	35.18	547.07	35.18	524.83	33.85	490.60	31.27	456.37	28.76	433.55	27.14
	67.00	61.0	583.21	34.90	559.06	33.47	524.83	31.08	490.60	28.75	456.37	26.48	433.55	25.00
	72.00	66.0	593.28	33.11	559.06	30.88	524.83	28.70	490.60	26.58	456.37	24.51	433.55	23.17
	75.00	69.0	599.33	32.03	559.06	29.32	524.83	27.27	490.60	25.28	456.37	23.34	433.55	22.07
100	-3.00	-4.0	226.38	31.54	225.72	31.92	225.50	32.26	224.12	32.76	224.12	33.09	224.12	34.75
	2.00	1.0	243.76	33.01	243.21	33.26	243.03	33.47	242.35	33.92	241.62	34.14	241.62	35.85
	7.00	6.0	265.94	34.43	264.85	34.59	264.49	34.74	263.94	35.09	263.03	35.21	263.03	36.97
	12.00	10.0	283.38	35.86	283.07	35.90	282.27	35.98	281.50	36.20	281.15	36.25	280.45	38.06
	17.00	15.0	298.79	37.23	298.79	37.24	297.82	37.25	297.33	37.26	296.85	37.26	295.88	37.27
	22.00	20.0	327.32	37.01	327.32	37.02	326.32	37.02	325.82	37.03	325.32	36.54	324.31	36.23
	27.00	24.0	349.35	36.79	348.51	36.80	347.98	36.80	346.74	36.80	346.61	35.83	346.36	35.19
	32.00	29.0	374.38	36.57	373.93	36.57	373.19	36.58	372.89	36.58	369.59	35.11	364.20	34.15
	37.00	34.0	402.81	36.35	402.25	36.35	401.55	36.36	399.04	36.35	383.92	34.39	370.32	33.12
	42.00	38.0	442.04	36.12	441.34	36.13	434.47	36.13	419.95	36.13	396.62	33.67	381.07	32.08
	47.00	43.0	485.53	35.90	474.75	35.91	455.18	35.91	446.00	35.90	414.88	32.95	394.14	31.04
	52.00	47.0	509.44	35.68	485.18	35.69	476.10	35.69	446.00	33.06	414.88	30.39	394.14	28.66
	57.00	52.0	520.40	35.40	508.23	35.05	477.12	32.52	446.00	30.07	414.88	27.68	394.14	26.13
	62.00	56.0	539.35	34.97	508.23	32.59	477.12	30.27	446.00	28.02	414.88	25.83	394.14	24.40
	67.00	61.0	539.35	32.08	508.23	29.94	477.12	27.84	446.00	25.80	414.88	23.82	394.14	22.52
	72.00	66.0	539.35	29.62	508.23	27.66	477.12	25.76	446.00	23.90	414.88	22.09	394.14	20.91
	75.00	69.0	539.35	28.13	508.23	26.30	477.12	24.51	446.00	22.76	414.88	21.05	394.14	19.94

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	223.24	34.70	222.22	35.11	221.88	35.48	221.88	36.03	220.52	36.40	220.52	38.22
	2.00	1.0	236.45	36.31	235.96	36.59	235.32	36.82	235.08	37.31	234.19	37.56	233.72	39.43
	7.00	6.0	254.78	37.70	254.39	37.71	253.67	37.72	253.38	37.73	252.57	37.74	251.98	37.75
	12.00	10.0	271.65	37.50	271.35	37.51	270.58	37.52	270.24	37.53	269.50	37.54	268.83	37.54
	17.00	15.0	289.83	37.25	289.83	37.25	289.83	37.26	288.41	37.27	288.41	37.27	288.41	37.28
	22.00	20.0	304.41	37.02	304.41	37.03	303.48	36.77	303.01	36.34	304.64	35.92	299.19	35.65
	27.00	24.0	320.37	36.80	319.60	36.81	319.34	36.28	319.00	35.41	325.56	34.57	320.11	34.02
	32.00	29.0	369.67	36.58	369.23	36.58	367.10	35.79	359.88	34.49	351.71	33.22	346.26	32.40
	37.00	34.0	421.77	36.35	416.41	36.36	405.09	35.30	386.03	33.56	373.40	31.87	354.73	30.77
	42.00	38.0	460.87	36.13	443.52	36.14	423.42	34.81	401.40	32.63	373.40	30.52	354.73	29.15
	47.00	43.0	471.95	35.91	449.43	35.91	429.40	34.32	401.40	31.71	373.40	29.17	354.73	27.52
	52.00	47.0	478.52	35.69	457.41	34.06	429.40	31.63	401.40	29.26	373.40	26.95	354.73	25.45
	57.00	52.0	485.41	33.19	457.41	30.96	429.40	28.79	401.40	26.67	373.40	24.61	354.73	23.26
	62.00	56.0	485.41	30.89	457.41	28.84	429.40	26.84	401.40	24.90	373.40	23.00	354.73	21.76
	67.00	61.0	485.41	28.40	457.41	26.55	429.40	24.74	401.40	22.97	373.40	21.25	354.73	20.13
	72.00	66.0	485.41	26.26	457.41	24.58	429.40	22.93	401.40	21.32	373.40	19.75	354.73	18.72
	75.00	69.0	485.41	24.98	457.41	23.39	429.40	21.84	401.40	20.33	373.40	18.84	354.73	17.87
80	-3.00	-4.0	221.02	38.17	220.00	38.63	219.66	39.03	219.66	39.64	219.21	40.04	218.31	38.24
	2.00	1.0	229.37	39.94	228.89	40.25	228.26	40.50	228.03	41.04	227.82	41.31	227.39	38.01
	7.00	6.0	244.60	37.72	244.22	37.73	243.53	37.74	243.25	37.75	243.08	37.76	242.74	37.76
	12.00	10.0	266.22	37.52	265.93	37.53	265.83	37.53	264.84	37.54	264.70	37.55	264.44	37.55
	17.00	15.0	286.94	37.26	285.88	37.27	285.53	37.27	285.53	37.28	281.31	37.28	281.20	37.29
	22.00	20.0	301.19	36.80	301.19	36.42	301.19	36.04	299.80	35.68	284.46	35.33	273.30	35.10
	27.00	24.0	345.22	36.34	343.27	35.57	335.94	34.82	320.72	34.09	313.45	33.37	301.16	32.91
	32.00	29.0	396.01	35.89	383.24	34.72	366.14	33.59	346.87	32.49	331.91	31.42	315.31	30.72
	37.00	34.0	416.27	35.43	396.44	33.88	376.62	32.37	356.80	30.89	331.91	29.46	315.31	28.53
	42.00	38.0	416.27	34.97	396.44	33.03	376.62	31.14	356.80	29.30	331.91	27.50	315.31	26.34
	47.00	43.0	416.27	34.51	396.44	32.18	376.62	29.91	356.80	27.70	331.91	25.55	315.31	24.14
	52.00	47.0	416.27	31.81	396.44	29.69	376.62	27.63	356.80	25.62	331.91	23.66	315.31	22.38
	57.00	52.0	416.27	28.95	396.44	27.06	376.62	25.21	356.80	23.41	331.91	21.66	315.31	20.51
	62.00	56.0	416.27	26.99	396.44	25.25	376.62	23.55	356.80	21.90	331.91	20.28	315.31	19.22
	67.00	61.0	416.27	24.87	396.44	23.30	376.62	21.76	356.80	20.25	331.91	18.78	315.31	17.82
	72.00	66.0	416.27	23.05	396.44	21.61	376.62	20.21	356.80	18.83	331.91	17.49	315.31	16.61
	75.00	69.0	416.27	21.96	396.44	20.60	376.62	19.28	356.80	17.98	331.91	16.71	315.31	15.88
70	-3.00	-4.0	218.82	38.20	218.82	38.21	217.92	38.23	217.47	38.24	217.47	38.25	217.47	38.26
	2.00	1.0	227.08	37.98	227.08	37.99	226.66	38.00	225.75	38.01	224.82	38.02	225.20	38.03
	7.00	6.0	242.16	37.74	242.16	37.75	241.82	37.75	240.82	37.76	237.00	37.77	236.03	37.77
	12.00	10.0	266.58	37.53	266.58	37.54	266.31	37.55	262.19	37.55	249.74	37.56	247.63	37.56
	17.00	15.0	297.48	37.27	296.38	37.28	290.15	37.28	276.96	37.29	261.82	37.29	259.61	37.30
	22.00	20.0	327.76	35.98	316.38	35.67	302.47	35.36	286.79	35.05	280.43	34.76	275.90	34.57
	27.00	24.0	358.18	34.69	341.08	34.05	324.53	33.43	307.71	32.82	290.42	32.23	275.90	31.84
	32.00	29.0	363.41	33.41	346.06	32.44	329.27	31.50	312.20	30.59	290.42	29.69	275.90	29.11
	37.00	34.0	363.41	32.12	346.06	30.83	329.27	29.58	312.20	28.35	290.42	27.16	275.90	26.38
	42.00	38.0	363.41	30.83	346.06	29.22	329.27	27.65	312.20	26.12	290.42	24.62	275.90	23.65
	47.00	43.0	363.41	29.54	346.06	27.61	329.27	25.72	312.20	23.88	290.42	22.09	275.90	20.92
	52.00	47.0	363.41	27.29	346.06	25.54	329.27	23.82	312.20	22.15	290.42	20.51	275.90	19.44
	57.00	52.0	363.41	24.91	346.06	23.34	329.27	21.80	312.20	20.30	290.42	18.83	275.90	17.86
	62.00	56.0	363.41	23.28	346.06	21.83	329.27	20.41	312.20	19.02	290.42	17.67	275.90	16.78
	67.00	61.0	363.41	21.50	346.06	20.19	329.27	18.90	312.20	17.64	290.42	16.40	275.90	15.59
	72.00	66.0	363.41	19.98	346.06	18.78	329.27	17.60	312.20	16.44	290.42	15.31	275.90	14.57
	75.00	69.0	363.41	19.06	346.06	17.93	329.27	16.82	312.20	15.72	290.42	14.65	275.90	13.95
60	-3.00	-4.0	208.38	38.23	204.27	38.24	199.67	38.26	195.31	38.27	190.90	38.28	189.27	38.29
	2.00	1.0	226.03	38.01	219.73	38.02	213.05	38.02	206.56	38.03	199.79	38.04	197.28	38.05
	7.00	6.0	249.69	37.76	240.91	37.76	231.87	37.77	222.96	37.78	213.51	37.78	210.02	37.79
	12.00	10.0	274.52	37.55	263.07	37.56	251.48	37.56	239.96	37.57	227.65	37.57	223.09	37.58
	17.00	15.0	300.51	37.29	286.20	37.29	271.89	37.29	257.58	37.30	242.18	37.30	236.48	36.76
	22.00	20.0	308.61	35.21	293.92	34.96	279.22	34.70	267.60	34.46	248.93	34.22	236.48	33.61
	27.00	24.0	316.40	33.14	301.34	32.62	286.27	32.11	267.60	31.62	248.93	31.14	236.48	30.46
	32.00	29.0	316.40	31.06	301.34	30.29	286.27	29.52	267.60	28.78	248.93	28.05	236.48	27.30
	37.00	34.0	316.40	28.99	301.34	27.95	286.27	26.93	267.60	25.94	248.93	24.97	236.48	24.15
	42.00	38.0	316.40	26.92	301.34	25.62	286.27	24.34	267.60	23.10	248.93	21.88	236.48	21.00
	47.00	43.0	323.61	24.84	304.94	23.28	286.27	21.75	267.60	20.26	248.93	18.80	236.48	17.84
	52.00	47.0	323.61	23.02	304.94	21.60	286.27	20.20	267.60	18.84	248.93	17.50	236.48	16.63
	57.00	52.0	323.61	21.08	304.94	19.80	286.27	18.55	267.60	17.32	248.93	16.12	236.48	15.33
	62.00	56.0	323.61	19.75	304.94	18.57	286.27	17.41	267.60	16.28	248.93	15.16	236.48	14.43
	67.00	61.0	323.61	18.30	304.94	17.22	286.27	16.17	267.60	15.14	248.93	14.12	236.48	13.46
	72.00	66.0	323.61	17.04	304.94	16.06	286.27	15.10	267.60	14.15	248.93	13.22	236.48	12.60
	75.00	69.0	323.61	16.29	304.94	15.37	286.27	14.45	267.60	13.56	248.93	12.67	236.48	12.09

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	197.09	38.27	192.63	38.28	187.68	38.29	182.97	38.29	178.40	38.30	169.48	38.31
	2.00	1.0	210.59	38.03	203.74	38.04	196.52	38.05	189.48	38.05	182.55	38.06	173.42	38.06
	7.00	6.0	229.48	37.78	219.93	37.78	210.12	37.79	200.45	37.79	190.85	37.80	181.30	37.80
	12.00	10.0	249.17	37.57	236.72	37.57	224.14	37.58	211.62	37.58	199.14	37.58	189.19	36.39
	17.00	15.0	269.68	37.30	254.12	37.30	238.56	37.15	223.00	34.30	207.44	31.53	197.07	29.73
	22.00	20.0	269.67	34.49	254.12	34.29	238.56	33.96	223.00	31.39	207.44	28.89	197.07	27.26
	27.00	24.0	269.67	31.67	254.12	31.27	238.56	30.77	223.00	28.47	207.44	26.24	197.07	24.79
	32.00	29.0	269.67	28.86	254.12	28.25	238.56	27.57	223.00	25.56	207.44	23.60	197.07	22.32
	37.00	34.0	269.67	26.05	254.12	25.23	238.56	24.38	223.00	22.65	207.44	20.96	197.07	19.85
	42.00	38.0	269.67	23.24	254.12	22.22	238.56	21.19	223.00	19.74	207.44	18.31	197.07	17.38
	47.00	43.0	269.67	20.42	254.12	19.20	238.56	18.00	223.00	16.82	207.44	15.67	197.07	14.91
	52.00	47.0	269.67	18.99	254.12	17.87	238.56	16.77	223.00	15.70	207.44	14.64	197.07	13.94
	57.00	52.0	269.67	17.46	254.12	16.45	238.56	15.46	223.00	14.49	207.44	13.53	197.07	12.91
	62.00	56.0	269.67	16.40	254.12	15.47	238.56	14.56	223.00	13.66	207.44	12.77	197.07	12.19
	67.00	61.0	269.67	15.25	254.12	14.40	238.56	13.57	223.00	12.74	207.44	11.93	197.07	11.40
	72.00	66.0	269.67	14.25	254.12	13.47	238.56	12.71	223.00	11.95	207.44	11.21	197.07	10.72
	75.00	69.0	269.67	13.65	254.12	12.92	238.56	12.19	223.00	11.47	207.44	10.77	197.07	10.30

Tc: Total Capacity

PI: Power Input

Table 81 —38VMA432HDS5-1, 38VMA432HDS6-1

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
135	-3.00	-4.0	247.13	30.24	246.02	31.10	245.65	31.81	245.12	32.56	244.17	33.18	244.17	33.61
	2.00	1.0	266.88	32.66	265.75	33.31	264.84	33.91	263.86	34.46	263.59	34.86	263.07	35.19
	7.00	6.0	290.32	35.02	289.14	35.50	288.10	35.92	287.78	36.28	286.86	36.55	286.21	36.72
	12.00	10.0	309.26	37.50	308.08	37.78	306.93	37.97	306.56	38.08	305.73	38.21	304.98	38.26
	17.00	15.0	326.27	39.89	325.10	39.90	324.71	39.91	323.14	39.92	322.61	39.93	321.57	39.94
	22.00	20.0	357.12	39.65	355.91	39.66	355.50	39.67	353.89	39.68	353.35	39.69	352.27	39.70
	27.00	24.0	379.59	39.42	379.29	39.43	378.39	39.44	377.58	39.44	376.25	39.45	375.98	39.46
	32.00	29.0	407.11	39.18	406.39	39.19	405.72	39.20	404.54	39.21	403.57	39.22	402.92	39.22
	37.00	34.0	437.59	38.95	436.98	38.96	436.23	38.96	435.15	38.97	434.06	38.98	433.52	38.98
	42.00	38.0	508.09	38.71	507.56	38.72	506.67	38.73	493.97	38.73	492.70	38.74	492.24	38.74
	47.00	43.0	560.21	38.48	547.52	38.49	534.82	38.49	522.12	38.50	509.42	38.50	500.95	38.51
	52.00	47.0	582.73	38.25	570.03	38.25	557.33	38.26	544.63	38.26	531.93	38.27	523.47	38.27
	57.00	52.0	610.87	37.95	598.17	37.95	585.47	37.96	572.77	37.96	560.08	37.97	551.44	37.95
	62.00	56.0	633.39	37.71	620.69	37.72	607.99	37.72	595.29	37.73	580.47	37.50	551.44	35.29
	67.00	61.0	661.53	37.42	648.83	37.42	636.13	37.42	623.43	37.43	580.47	34.41	551.44	32.41
	72.00	66.0	689.67	37.12	676.97	37.12	664.27	37.13	624.00	34.56	580.47	31.76	551.44	29.94
	75.00	69.0	706.56	36.94	693.86	36.94	681.16	36.95	624.34	32.83	580.47	30.17	551.44	28.46
120	-3.00	-4.0	245.65	31.67	245.65	32.22	244.66	32.79	244.17	33.52	243.32	34.06	242.69	34.44
	2.00	1.0	265.37	33.68	264.78	34.16	263.57	34.59	263.07	35.22	262.08	35.57	261.55	35.85
	7.00	6.0	288.75	35.78	288.02	36.05	286.73	36.36	286.21	36.86	285.69	37.04	284.65	37.23
	12.00	10.0	307.68	37.95	306.84	38.03	306.26	38.15	304.98	38.43	304.46	38.51	303.41	38.58
	17.00	15.0	324.71	39.90	323.53	39.91	323.14	39.92	321.57	39.93	321.57	39.94	321.57	39.95
	22.00	20.0	355.50	39.67	354.29	39.67	353.89	39.68	352.27	39.69	352.27	39.70	352.27	39.71
	27.00	24.0	377.98	39.43	377.68	39.44	376.78	39.45	375.98	39.45	375.58	39.46	374.77	39.47
	32.00	29.0	405.50	39.19	404.78	39.20	404.11	39.21	402.92	39.22	402.71	39.22	402.28	39.23
	37.00	34.0	435.96	38.96	435.35	38.97	434.61	38.97	434.34	38.98	445.74	38.99	445.18	38.99
	42.00	38.0	481.66	38.72	481.15	38.73	480.31	38.74	479.97	38.74	468.25	38.75	467.59	38.75
	47.00	43.0	543.28	38.49	531.56	38.49	519.84	38.50	508.12	38.50	496.39	38.51	488.58	38.51
	52.00	47.0	565.80	38.25	554.07	38.26	542.35	38.26	530.63	38.27	518.91	38.27	509.02	38.01
	57.00	52.0	593.94	37.96	582.22	37.96	570.50	37.96	558.77	37.97	535.81	36.68	509.02	34.52
	62.00	56.0	616.45	37.72	604.73	37.72	593.01	37.73	576.00	37.16	535.81	34.11	509.02	32.14
	67.00	61.0	644.60	37.42	632.88	37.43	616.19	36.93	576.00	34.10	535.81	31.35	509.02	29.57
	72.00	66.0	672.74	37.12	656.37	36.69	616.19	34.05	576.00	31.48	535.81	28.98	509.02	27.36
	75.00	69.0	689.63	36.95	670.47	36.25	616.19	32.32	576.00	29.91	535.81	27.56	509.02	26.03
110	-3.00	-4.0	244.17	32.63	244.17	33.30	243.18	33.79	242.69	34.34	242.19	34.81	241.21	35.04
	2.00	1.0	263.86	34.51	263.26	34.97	262.58	35.35	261.55	35.74	261.31	36.16	260.83	36.30
	7.00	6.0	287.19	36.32	286.46	36.64	285.82	36.89	284.65	37.14	284.45	37.41	284.06	37.47
	12.00	10.0	306.11	38.09	305.26	38.34	304.68	38.46	304.53	38.52	303.26	38.70	302.96	38.65
	17.00	15.0	323.14	39.91	323.14	39.92	322.09	39.93	321.57	39.94	320.00	39.95	320.00	39.96
	22.00	20.0	353.89	39.68	352.67	39.69	352.27	39.69	352.27	39.70	350.65	39.71	350.65	39.50
	27.00	24.0	377.58	39.44	376.68	39.45	376.11	39.46	374.77	39.46	373.97	39.47	373.17	39.05
	32.00	29.0	404.54	39.20	404.05	39.21	403.25	39.22	402.28	39.23	401.31	39.23	401.31	38.59
	37.00	34.0	435.15	38.97	434.54	38.97	433.79	38.98	432.71	38.99	431.08	38.99	429.45	38.14
	42.00	38.0	468.60	38.73	467.86	38.74	467.18	38.74	465.97	38.75	455.23	38.75	443.40	37.68
	47.00	43.0	526.35	38.50	515.61	38.50	504.86	38.50	494.11	38.51	483.37	38.51	466.60	37.22
	52.00	47.0	548.86	38.26	538.12	38.26	527.37	38.27	516.63	38.27	491.16	36.43	466.60	34.30
	57.00	52.0	577.01	37.96	566.26	37.97	555.52	37.97	528.00	36.04	491.16	33.12	466.60	31.21
	62.00	56.0	599.52	37.72	588.78	37.73	564.84	36.30	528.00	33.53	491.16	30.85	466.60	29.10
	67.00	61.0	627.67	37.43	601.67	35.90	564.84	33.33	528.00	30.83	491.16	28.40	466.60	26.81
	72.00	66.0	638.51	35.51	601.67	33.11	564.84	30.78	528.00	28.50	491.16	26.29	466.60	24.85
	75.00	69.0	645.02	34.35	601.67	31.44	564.84	29.25	528.00	27.11	491.16	25.03	466.60	23.67
100	-3.00	-4.0	243.64	33.83	242.93	34.23	242.69	34.59	241.21	35.13	241.21	35.49	241.21	37.27
	2.00	1.0	262.34	35.40	261.75	35.67	261.55	35.90	260.83	36.37	260.04	36.61	260.04	38.44
	7.00	6.0	286.21	36.92	285.04	37.10	284.65	37.26	284.06	37.63	283.08	37.76	283.08	39.65
	12.00	10.0	304.98	38.46	304.65	38.50	303.78	38.59	302.96	38.82	302.58	38.87	301.83	40.81
	17.00	15.0	321.57	39.93	321.57	39.94	320.52	39.95	320.00	39.95	319.48	39.96	318.43	39.97
	22.00	20.0	352.27	39.69	352.27	39.70	351.19	39.71	350.65	39.71	350.12	39.19	349.04	38.85
	27.00	24.0	375.98	39.45	375.07	39.46	374.51	39.47	373.17	39.47	373.03	38.42	372.77	37.74
	32.00	29.0	402.92	39.22	402.44	39.22	401.63	39.23	401.31	39.23	397.77	37.65	391.96	36.63
	37.00	34.0	433.52	38.98	432.91	38.98	432.17	38.99	429.45	38.98	413.19	36.88	398.55	35.51
	42.00	38.0	475.74	38.74	474.99	38.75	467.59	38.75	451.97	38.74	426.86	36.11	410.12	34.40
	47.00	43.0	522.54	38.50	510.94	38.51	489.88	38.51	480.00	38.50	446.51	35.34	424.19	33.29
	52.00	47.0	548.27	38.27	522.16	38.27	512.40	38.27	480.00	35.46	446.51	32.59	424.19	30.73
	57.00	52.0	560.08	37.97	546.98	37.59	513.49	34.88	480.00	32.25	446.51	29.69	424.19	28.02
	62.00	56.0	580.47	37.50	546.98	34.95	513.49	32.47	480.00	30.05	446.51	27.70	424.19	26.17
	67.00	61.0	580.47	34.41	546.98	32.11	513.49	29.86	480.00	27.67	446.51	25.54	424.19	24.15
	72.00	66.0	580.47	31.76	546.98	29.67	513.49	27.62	480.00	25.63	446.51	23.69	424.19	22.42
	75.00	69.0	580.47	30.17	546.98	28.20	513.49	26.28	480.00	24.41	446.51	22.58	424.19	21.38

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-3.00	-4.0	240.26	37.21	239.16	37.66	238.80	38.05	238.80	38.64	237.33	39.04	237.33	40.99
	2.00	1.0	254.48	38.94	253.95	39.24	253.26	39.49	253.01	40.01	252.05	40.28	251.53	42.29
	7.00	6.0	274.21	40.43	273.78	40.44	273.01	40.45	272.70	40.46	271.82	40.47	271.19	40.48
	12.00	10.0	292.36	40.22	292.03	40.23	291.20	40.24	290.84	40.25	290.05	40.25	289.32	40.26
	17.00	15.0	311.93	39.94	311.93	39.95	311.93	39.96	310.40	39.97	310.40	39.97	310.40	39.98
	22.00	20.0	327.62	39.70	327.62	39.71	326.61	39.43	326.11	38.97	327.86	38.52	322.00	38.23
	27.00	24.0	344.79	39.47	343.96	39.47	343.68	38.91	343.32	37.98	350.38	37.08	344.51	36.49
	32.00	29.0	397.86	39.23	397.38	39.23	395.09	38.38	387.31	36.98	378.52	35.63	372.66	34.74
	37.00	34.0	453.92	38.99	448.15	38.99	435.97	37.85	415.45	35.99	401.86	34.18	381.77	33.00
	42.00	38.0	496.00	38.75	477.33	38.75	455.70	37.33	432.00	35.00	401.86	32.73	381.77	31.26
	47.00	43.0	507.92	38.51	483.69	38.51	462.14	36.80	432.00	34.00	401.86	31.28	381.77	29.51
	52.00	47.0	515.00	38.27	492.28	36.53	462.14	33.92	432.00	31.38	401.86	28.91	381.77	27.30
	57.00	52.0	522.42	35.59	492.28	33.20	462.14	30.87	432.00	28.60	401.86	26.39	381.77	24.95
	62.00	56.0	522.42	33.12	492.28	30.93	462.14	28.79	432.00	26.70	401.86	24.66	381.77	23.34
	67.00	61.0	522.42	30.45	492.28	28.47	462.14	26.53	432.00	24.64	401.86	22.79	381.77	21.59
	72.00	66.0	522.42	28.16	492.28	26.36	462.14	24.59	432.00	22.86	401.86	21.18	381.77	20.08
	75.00	69.0	522.42	26.79	492.28	25.09	462.14	23.42	432.00	21.80	401.86	20.21	381.77	19.17
80	-3.00	-4.0	237.87	40.93	236.77	41.42	236.41	41.86	236.41	42.51	235.92	42.94	234.95	41.01
	2.00	1.0	246.85	42.83	246.34	43.16	245.67	43.43	245.41	44.01	245.19	44.30	244.73	40.76
	7.00	6.0	263.25	40.45	262.84	40.46	262.09	40.47	261.79	40.48	261.61	40.49	261.25	40.50
	12.00	10.0	286.52	40.24	286.20	40.24	286.09	40.25	285.02	40.26	284.88	40.27	284.60	40.27
	17.00	15.0	308.81	39.96	307.67	39.96	307.30	39.97	307.30	39.98	302.75	39.98	302.63	39.99
	22.00	20.0	324.15	39.47	324.15	39.06	324.15	38.66	322.65	38.27	306.14	37.89	294.14	37.64
	27.00	24.0	371.53	38.98	369.43	38.15	361.54	37.34	345.17	36.55	337.35	35.79	324.12	35.29
	32.00	29.0	426.19	38.49	412.45	37.24	394.05	36.02	373.31	34.84	357.21	33.69	339.35	32.94
	37.00	34.0	448.00	37.99	426.67	36.33	405.33	34.71	384.00	33.13	357.21	31.59	339.35	30.59
	42.00	38.0	448.00	37.50	426.67	35.42	405.33	33.39	384.00	31.42	357.21	29.50	339.35	28.24
	47.00	43.0	448.00	37.01	426.67	34.51	405.33	32.08	384.00	29.71	357.21	27.40	339.35	25.89
	52.00	47.0	448.00	34.11	426.67	31.84	405.33	29.63	384.00	27.48	357.21	25.37	339.35	24.00
	57.00	52.0	448.00	31.04	426.67	29.02	405.33	27.04	384.00	25.11	357.21	23.22	339.35	21.99
	62.00	56.0	448.00	28.94	426.67	27.08	405.33	25.26	384.00	23.48	357.21	21.75	339.35	20.61
	67.00	61.0	448.00	26.67	426.67	24.98	405.33	23.33	384.00	21.72	357.21	20.14	339.35	19.11
	72.00	66.0	448.00	24.72	426.67	23.18	405.33	21.67	384.00	20.20	357.21	18.75	339.35	17.81
	75.00	69.0	448.00	23.55	426.67	22.10	405.33	20.68	384.00	19.28	357.21	17.92	339.35	17.03
70	-3.00	-4.0	235.50	40.97	235.50	40.98	234.53	41.00	234.04	41.01	234.04	41.02	234.04	41.03
	2.00	1.0	244.39	40.73	244.39	40.74	243.94	40.76	242.96	40.77	241.96	40.78	242.37	40.78
	7.00	6.0	260.62	40.47	260.62	40.48	260.26	40.49	259.17	40.50	255.07	40.51	254.02	40.51
	12.00	10.0	286.90	40.25	286.90	40.26	286.62	40.27	282.17	40.27	268.78	40.28	266.51	40.29
	17.00	15.0	320.16	39.97	318.97	39.98	312.27	39.98	298.08	39.99	281.78	39.99	279.40	40.00
	22.00	20.0	352.74	38.59	340.49	38.25	325.52	37.92	308.65	37.59	301.81	37.28	296.93	37.07
	27.00	24.0	385.48	37.21	367.08	36.52	349.27	35.85	331.16	35.20	312.56	34.56	296.93	34.14
	32.00	29.0	391.11	35.83	372.44	34.79	354.37	33.79	336.00	32.80	312.56	31.84	296.93	31.22
	37.00	34.0	391.11	34.44	372.44	33.07	354.37	31.72	336.00	30.41	312.56	29.13	296.93	28.29
	42.00	38.0	391.11	33.06	372.44	31.34	354.37	29.65	336.00	28.01	312.56	26.41	296.93	25.36
	47.00	43.0	391.11	31.68	372.44	29.61	354.37	27.59	336.00	25.61	312.56	23.69	296.93	22.43
	52.00	47.0	391.11	29.27	372.44	27.39	354.37	25.55	336.00	23.75	312.56	22.00	296.93	20.85
	57.00	52.0	391.11	26.71	372.44	25.03	354.37	23.38	336.00	21.77	312.56	20.19	296.93	19.16
	62.00	56.0	391.11	24.96	372.44	23.41	354.37	21.89	336.00	20.40	312.56	18.95	296.93	17.99
	67.00	61.0	391.11	23.06	372.44	21.65	354.37	20.27	336.00	18.92	312.56	17.59	296.93	16.72
	72.00	66.0	391.11	21.42	372.44	20.14	354.37	18.87	336.00	17.63	312.56	16.42	296.93	15.62
	75.00	69.0	391.11	20.44	372.44	19.23	354.37	18.03	336.00	16.86	312.56	15.72	296.93	14.96
60	-3.00	-4.0	224.26	41.00	219.85	41.01	214.89	41.03	210.20	41.04	205.45	41.05	203.70	41.06
	2.00	1.0	243.26	40.76	236.48	40.77	229.29	40.78	222.31	40.79	215.02	40.80	212.32	40.80
	7.00	6.0	268.72	40.49	259.28	40.50	249.54	40.51	239.95	40.51	229.79	40.52	226.03	40.53
	12.00	10.0	295.44	40.27	283.12	40.28	270.65	40.28	258.25	40.29	245.00	40.29	240.09	40.30
	17.00	15.0	323.41	39.99	308.01	39.99	292.61	40.00	277.21	40.00	260.64	40.01	254.51	39.43
	22.00	20.0	332.14	37.76	316.33	37.49	300.51	37.22	288.00	36.95	267.91	36.70	254.51	36.04
	27.00	24.0	340.52	35.54	324.31	34.98	308.09	34.44	288.00	33.91	267.91	33.39	254.51	32.66
	32.00	29.0	340.52	33.31	324.31	32.48	308.09	31.66	288.00	30.86	267.91	30.08	254.51	29.28
	37.00	34.0	340.52	31.09	324.31	29.98	308.09	28.88	288.00	27.82	267.91	26.77	254.51	25.90
	42.00	38.0	340.52	28.87	324.31	27.47	308.09	26.11	288.00	24.77	267.91	23.47	254.51	22.52
	47.00	43.0	348.28	26.64	328.19	24.97	308.09	23.33	288.00	21.73	267.91	20.16	254.51	19.13
	52.00	47.0	348.28	24.69	328.19	23.16	308.09	21.67	288.00	20.20	267.91	18.77	254.51	17.83
	57.00	52.0	348.28	22.61	328.19	21.24	308.09	19.89	288.00	18.58	267.91	17.29	254.51	16.44
	62.00	56.0	348.28	21.18	328.19	19.91	308.09	18.67	288.00	17.46	267.91	16.26	254.51	15.48
	67.00	61.0	348.28	19.62	328.19	18.47	308.09	17.34	288.00	16.23	267.91	15.14	254.51	14.43
	72.00	66.0	348.28	18.28	328.19	17.23	308.09	16.19	288.00	15.17	267.91	14.17	254.51	13.52
	75.00	69.0	348.28	17.47	328.19	16.48	308.09	15.50	288.00	14.54	267.91	13.59	254.51	12.97

CONNECTED CAPACITY RATIO	OUTDOOR AIR TEMPERATURE		INDOOR AIR TEMPERATURE °F DB											
			61°F		64°F		67°F		70°F		73°F		75°F	
			Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI	Tc	PI
	°FDB	°FWB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-3.00	-4.0	212.12	41.04	207.32	41.05	201.99	41.06	196.92	41.07	192.00	41.08	182.40	41.09
	2.00	1.0	226.64	40.79	219.27	40.79	211.50	40.80	203.93	40.81	196.47	40.82	186.64	40.82
	7.00	6.0	246.97	40.51	236.70	40.52	226.14	40.52	215.73	40.53	205.40	40.54	195.13	40.54
	12.00	10.0	268.17	40.29	254.77	40.29	241.22	40.30	227.76	40.30	214.33	40.31	203.61	39.03
	17.00	15.0	290.24	40.00	273.49	40.00	256.74	39.84	240.00	36.78	223.26	33.81	212.09	31.89
	22.00	20.0	290.23	36.98	273.49	36.77	256.74	36.42	240.00	33.66	223.26	30.98	212.09	29.24
	27.00	24.0	290.23	33.97	273.49	33.53	256.74	32.99	240.00	30.54	223.26	28.14	212.09	26.59
	32.00	29.0	290.23	30.95	273.49	30.30	256.74	29.57	240.00	27.41	223.26	25.31	212.09	23.94
	37.00	34.0	290.23	27.94	273.49	27.06	256.74	26.15	240.00	24.29	223.26	22.47	212.09	21.29
	42.00	38.0	290.23	24.92	273.49	23.83	256.74	22.73	240.00	21.16	223.26	19.64	212.09	18.64
	47.00	43.0	290.23	21.90	273.49	20.59	256.74	19.30	240.00	18.04	223.26	16.80	212.09	15.99
	52.00	47.0	290.23	20.36	273.49	19.16	256.74	17.99	240.00	16.83	223.26	15.70	212.09	14.95
	57.00	52.0	290.23	18.72	273.49	17.64	256.74	16.58	240.00	15.54	223.26	14.51	212.09	13.84
	62.00	56.0	290.23	17.59	273.49	16.59	256.74	15.61	240.00	14.64	223.26	13.70	212.09	13.07
	67.00	61.0	290.23	16.36	273.49	15.44	256.74	14.55	240.00	13.67	223.26	12.80	212.09	12.23
	72.00	66.0	290.23	15.29	273.49	14.45	256.74	13.63	240.00	12.82	223.26	12.02	212.09	11.49
	75.00	69.0	290.23	14.64	273.49	13.85	256.74	13.07	240.00	12.31	223.26	11.55	212.09	11.05

Tc: Total Capacity

PI: Power Input

APPENDIX - ELECTRICAL RATING PLATES

CONFORMS TO UL STD 1995
CERTIFIED TO CSA STD.
C22. 2 No. 236

ELECTRIC
CHARACTERISTICS
ARE ONLY FOR
OUTDOOR UNIT.

Intertek
3124627

AHRI CERTIFIED®
www.ahridirectory.org
Variable Refrigerant Flow (VRF) Multi-Split AC and HP
AHRI Standard 1230

VRF HEAT PUMP MULTI-SPLIT OUTDOOR UNIT

MODEL	38VMA072HDS5-1	
POWER SUPPLY		208/230V-3Ph-60Hz
MINIMUM CIRCUIT AMPACITY		45.0 A
MAX FUSE OR HACR BREAKER		50.0 A
FAN MOTOR	FLA	2.7+2.7 A
	OUTPUT	270+270 W
COMP. MOTOR	RLA	31.0 A
	LRA	——
NET WEIGHT		659 LBS
REFRIGERANT/WEIGHT		R410A/37.5 LBS
DESIGN PRESSURE	HIGH	580 PSIG
	LOW	320 PSIG

Short-circuit current:5kA rms symmetrical,230V maximum

OUTDOOR USE
UTILISATION À L'EXTÉRIEUR

SERIAL NO. 1016V00001

Carrier Corporation

Fig. 31 —38VMA072HDS5-1

CONFORMS TO UL STD 1995
CERTIFIED TO CSA STD.
C22. 2 No. 236

ELECTRIC
CHARACTERISTICS
ARE ONLY FOR
OUTDOOR UNIT.

Intertek
3124627

AHRI CERTIFIED®
www.ahridirectory.org
Variable Refrigerant Flow (VRF) Multi-Split AC and HP
AHRI Standard 1230

VRF HEAT PUMP MULTI-SPLIT OUTDOOR UNIT

MODEL	38VMA096HDS5-1	
POWER SUPPLY		208/230V-3Ph-60Hz
MINIMUM CIRCUIT AMPACITY		46.0 A
MAX FUSE OR HACR BREAKER		50.0 A
FAN MOTOR	FLA	2.7+2.7 A
	OUTPUT	270+270 W
COMP. MOTOR	RLA	32.0 A
	LRA	——
NET WEIGHT		659 LBS
REFRIGERANT/WEIGHT		R410A/37.5 LBS
DESIGN PRESSURE	HIGH	580 PSIG
	LOW	320 PSIG

Short-circuit current:5kA rms symmetrical,230V maximum

OUTDOOR USE
UTILISATION À L'EXTÉRIEUR

SERIAL NO. 1016V00001

Carrier Corporation

Fig. 34 —38VMA096HDS5-1

CONFORMS TO UL STD 1995
CERTIFIED TO CSA STD.
C22. 2 No. 236

ELECTRIC
CHARACTERISTICS
ARE ONLY FOR
OUTDOOR UNIT.

Intertek
3124627

AHRI CERTIFIED®
www.ahridirectory.org
Variable Refrigerant Flow (VRF) Multi-Split AC and HP
AHRI Standard 1230

VRF HEAT PUMP MULTI-SPLIT OUTDOOR UNIT

MODEL	38VMA120HDS5-1	
POWER SUPPLY		208/230V-3Ph-60Hz
MINIMUM CIRCUIT AMPACITY		46.0 A
MAX FUSE OR HACR BREAKER		50.0 A
FAN MOTOR	FLA	2.7+2.7 A
	OUTPUT	270+270 W
COMP. MOTOR	RLA	32.0 A
	LRA	——
NET WEIGHT		659 LBS
REFRIGERANT/WEIGHT		R410A/37.5 LBS
DESIGN PRESSURE	HIGH	580 PSIG
	LOW	320 PSIG

Short-circuit current:5kA rms symmetrical,230V maximum

OUTDOOR USE
UTILISATION À L'EXTÉRIEUR

SERIAL NO. 1016V00001

Carrier Corporation

Fig. 35 —38VMA120HDS5-1

CONFORMS TO UL STD 1995
CERTIFIED TO CSA STD.
C22. 2 No. 236

ELECTRIC
CHARACTERISTICS
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AHRI CERTIFIED®
www.ahridirectory.org
Variable Refrigerant Flow (VRF) Multi-Split AC and HP
AHRI Standard 1230

VRF HEAT PUMP MULTI-SPLIT OUTDOOR UNIT

MODEL	38VMA144HDS5-1	
POWER SUPPLY		208/230V-3Ph-60Hz
MINIMUM CIRCUIT AMPACITY		70.0 A
MAX FUSE OR HACR BREAKER		80.0 A
FAN MOTOR	FLA	4.0+3.8 A
	OUTPUT	340+300 W
COMP. MOTOR	RLA	30.0+24.0 A
	LRA	——
NET WEIGHT		780 LBS
REFRIGERANT/WEIGHT		R410A/37.5 LBS
DESIGN PRESSURE	HIGH	580 PSIG
	LOW	320 PSIG

Short-circuit current:5kA rms symmetrical,230V maximum

OUTDOOR USE
UTILISATION À L'EXTÉRIEUR

SERIAL NO. 1016V00001

Carrier Corporation

Fig. 36 —38VMA144HDS5-1

CONFORMS TO UL STD 1995 CERTIFIED TO CSA STD. C22. 2 No. 236 ELECTRIC CHARACTERISTICS ARE ONLY FOR OUTDOOR UNIT.	Intertek 3124627	AHRI CERTIFIED® www.ahridirectory.org Variable Refrigerant Flow (VRF) Multi-Split AC and HP AHRI Standard 1230
VRF HEAT PUMP MULTI-SPLIT OUTDOOR UNIT		
MODEL	38VMA072HDS6-1	
POWER SUPPLY		460V-3Ph-60Hz
MINIMUM CIRCUIT AMPACITY		22.0 A
MAX FUSE OR HACR BREAKER		25.0 A
FAN MOTOR	FLA	1.4+1.4 A
	OUTPUT	270+270 W
COMP. MOTOR	RLA	15.0 A
	LRA	——
NET WEIGHT		659 LBS
REFRIGERANT/WEIGHT		R410A/37.5 LBS
DESIGN PRESSURE	HIGH	580 PSIG
	LOW	320 PSIG
Short-circuit current:5kA rms symmetrical,460V maximum		
OUTDOOR USE UTILISATION À L'EXTÉRIEUR		
SERIAL NO.	1016V00001	
Carrier Corporation		

Fig. 37 —38VMA072HDS6-1

CONFORMS TO UL STD 1995 CERTIFIED TO CSA STD. C22. 2 No. 236 ELECTRIC CHARACTERISTICS ARE ONLY FOR OUTDOOR UNIT.	Intertek 3124627	AHRI CERTIFIED® www.ahridirectory.org Variable Refrigerant Flow (VRF) Multi-Split AC and HP AHRI Standard 1230
VRF HEAT PUMP MULTI-SPLIT OUTDOOR UNIT		
MODEL	38VMA096HDS6-1	
POWER SUPPLY		460V-3Ph-60Hz
MINIMUM CIRCUIT AMPACITY		25.0 A
MAX FUSE OR HACR BREAKER		30.0 A
FAN MOTOR	FLA	1.4+1.4 A
	OUTPUT	270+270 W
COMP. MOTOR	RLA	17.0 A
	LRA	——
NET WEIGHT		659 LBS
REFRIGERANT/WEIGHT		R410A/37.5 LBS
DESIGN PRESSURE	HIGH	580 PSIG
	LOW	320 PSIG
Short-circuit current:5kA rms symmetrical,460V maximum		
OUTDOOR USE UTILISATION À L'EXTÉRIEUR		
SERIAL NO.	1016V00001	
Carrier Corporation		

Fig. 38 —38VMA096HDS6-1

CONFORMS TO UL STD 1995 CERTIFIED TO CSA STD. C22. 2 No. 236 ELECTRIC CHARACTERISTICS ARE ONLY FOR OUTDOOR UNIT.	Intertek 3124627	AHRI CERTIFIED® www.ahridirectory.org Variable Refrigerant Flow (VRF) Multi-Split AC and HP AHRI Standard 1230
VRF HEAT PUMP MULTI-SPLIT OUTDOOR UNIT		
MODEL	38VMA120HDS6-1	
POWER SUPPLY		460V-3Ph-60Hz
MINIMUM CIRCUIT AMPACITY		25.0 A
MAX FUSE OR HACR BREAKER		30.0 A
FAN MOTOR	FLA	1.4+1.4 A
	OUTPUT	270+270 W
COMP. MOTOR	RLA	17.0 A
	LRA	——
NET WEIGHT		659 LBS
REFRIGERANT/WEIGHT		R410A/37.5 LBS
DESIGN PRESSURE	HIGH	580 PSIG
	LOW	320 PSIG
Short-circuit current:5kA rms symmetrical,460V maximum		
OUTDOOR USE UTILISATION À L'EXTÉRIEUR		
SERIAL NO.	1016V00001	
Carrier Corporation		

Fig. 39 —38VMA120HDS6-1

CONFORMS TO UL STD 1995 CERTIFIED TO CSA STD. C22. 2 No. 236 ELECTRIC CHARACTERISTICS ARE ONLY FOR OUTDOOR UNIT.	Intertek 3124627	AHRI CERTIFIED® www.ahridirectory.org Variable Refrigerant Flow (VRF) Multi-Split AC and HP AHRI Standard 1230
VRF HEAT PUMP MULTI-SPLIT OUTDOOR UNIT		
MODEL	38VMA144HDS6-1	
POWER SUPPLY		460V-3Ph-60Hz
MINIMUM CIRCUIT AMPACITY		33.0 A
MAX FUSE OR HACR BREAKER		35.0 A
FAN MOTOR	FLA	1.6+1.4 A
	OUTPUT	340+300 W
COMP. MOTOR	RLA	16.0+10.0 A
	LRA	——
NET WEIGHT		772 LBS
REFRIGERANT/WEIGHT		R410A/37.5 LBS
DESIGN PRESSURE	HIGH	580 PSIG
	LOW	320 PSIG
Short-circuit current:5kA rms symmetrical,460V maximum		
OUTDOOR USE UTILISATION À L'EXTÉRIEUR		
SERIAL NO.	1016V00001	
Carrier Corporation		

Fig. 40 —38VMA144HDS6-1

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