38MARB
Outdoor Unit Single Zone Ductless System
Sizes 06 to 36

Product Data

A220408

Fig. 1 —Sizes 06K - 36K

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

TABLE OF CONTENTS

PAGE

INDUSTRY LEADING FEATURES / BENEFITS 1
MODEL NUMBER NOMENCLATURE 3
STANDARD FEATURES AND ACCESSORIES 4
DIMENSIONS 5
CLEARANCES 9
SPECIFICATIONS 10
PERFORMANCE 11
FAN COILS 13
FURNACES 15
PERFORMANCE 18
COOLING PERFORMANCE - AHU 29
HEATING PERFORMANCE - AHU 41
APPLICATION DATA 45
WIRING 46
ELECTRICAL DATA 48
CONNECTION DIAGRAMS 49
WIRING DIAGRAMS 50
GUIDE SPECIFICATIONS 54

INDUSTRY LEADING FEATURES / BENEFITS

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

The **38MARB** series ductless systems are a matched combination of an outdoor condensing unit and an indoor fan coil unit connected only by refrigerant tubing and wires.

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

- **Add-ons to current space (an office or family room addition)**
- **Special space requirements**
- **When changes in the load cannot be handled by the existing system**
- **When adding air conditioning to spaces that are heated by hydronic or electric heat and have no ductwork**
- **Historical renovations or any application where preserving the look of the original structure is essential.**

The ideal compliment to your ducted system when it is impractical or prohibitively expensive to use ductwork.

The compact indoor fan coil units take up very little space in the room and do not obstruct windows. The fan coils are attractively styled to blend with most room decors. Advanced system components incorporate innovative technology to provide reliable cooling performance at low sound levels.

Inverter Technology

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

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

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

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

Individual Room Comfort

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

Low Sound Levels

When noise is a concern, ductless systems are the answer. The indoor units are whisper quiet. There are no compressors indoors, either in the conditioned space or directly over it, and there is none of the noise usually generated by air being forced through the ductwork.

When sound ordinances and proximity to neighbors demand quiet operation, the **38MARB** unit is the right choice. With the inverter technology, these units run at lower speeds most of the time resulting in reduced sound levels.

Inverter Technology – Enhanced Economical Operation

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

Easy-To-Use Controls

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

Secure Operation

If security is an issue, outdoor and indoor units are connected only by refrigerant piping and wiring to prevent intruders from crawling through ductwork or wall openings. In addition, since the **38MARB** can be installed close to an outside wall, coils are protected from vandals and severe weather.

Fast Installation

This compact ductless system is simple to install. Only wires and piping need to run between the indoor and outdoor units. These units are fast and easy to install ensuring minimal disruption to customers in homes or the workplace. This makes the **38MARB** systems the equipment of choice for retrofit applications.

Simple Servicing and Maintenance

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

On the indoor units, service and maintenance expense is reduced due to the permanent easy to clean filters. Also, error codes are displayed on the front panel to alert the user to certain system malfunctions.

Built-in Reliability

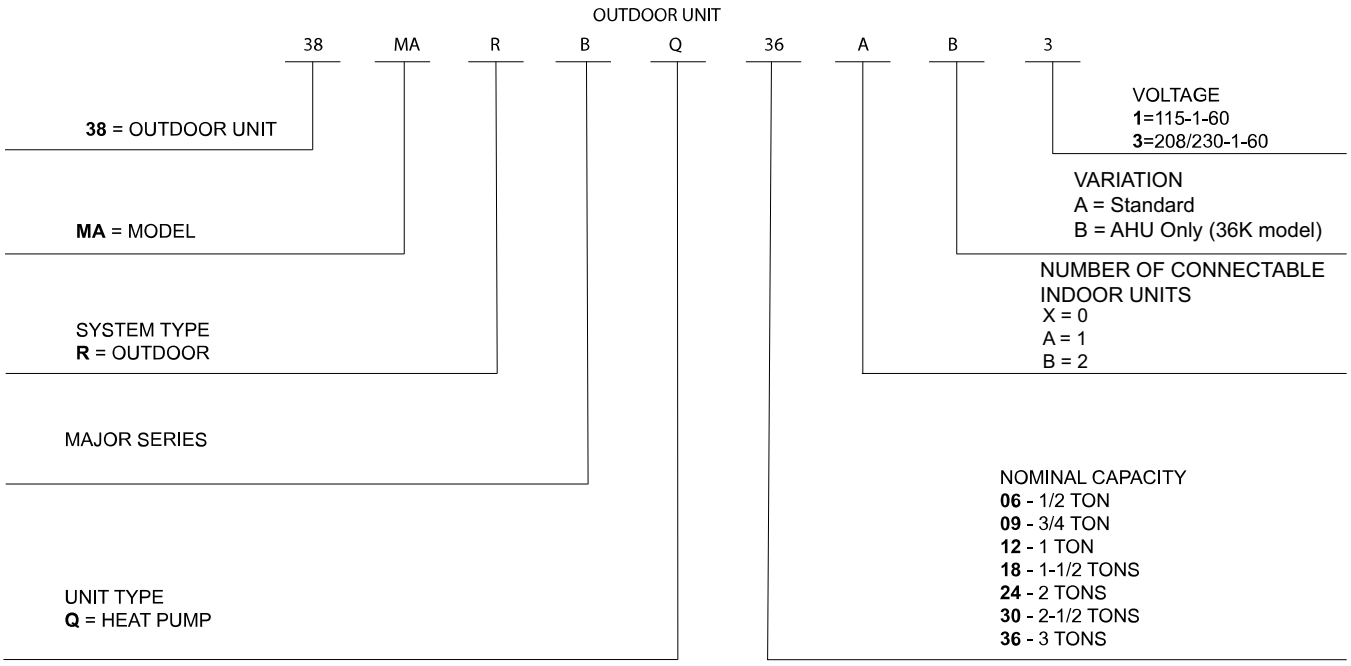
Ductless system indoor and outdoor units are designed to provide years of trouble-free operation. Both the indoor and outdoor units are well protected. Whenever the microprocessor detects abnormal conditions, the unit stops and an error code appears.

Inverter systems provide additional reliability due to the soft start. This refers to the ability of the inverter to start the compressor motor using reduced voltage and reduced current. This feature is beneficial from an electrical standpoint (eliminates current spikes) as well as an overall reliability standpoint due to reduced stress on all associated system components.

Agency Listings

All systems are listed with AHRI (Air conditioning, Heating, and Refrigeration Institute) and are UL certified per UL 60335-2-40 standard.

MODEL NUMBER NOMENCLATURE



A220411

Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program For verification of certification for individual products, go to www.ahridirectory.org.

A220412

STANDARD FEATURES AND ACCESSORIES

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

Legend

- **S - Standard**
- **A - Accessory**

Accessories

Outdoor Unit Model Number	Base Pan Base Rubber Plugs RCD Part No.	Quantity per Unit
38MARBQ12AA1 38MARBQ06AA3 38MARBQ09AA3 38MARBQ12AA3	12600801A00077	13
38MARBQ18AA3	12600801A00077	25
38MARBQ24AA3 38MARBQ30AA3 38MARBQ36AA3 38MARBQ36AB3	12600801A00117	5

NOTE: The base pan is built in with multiple holes for proper draining during the defrost process. For applications where it is required to seal these holes, and re-direct the condensate drain, rubber plugs are available through RCD.

Outdoor Units

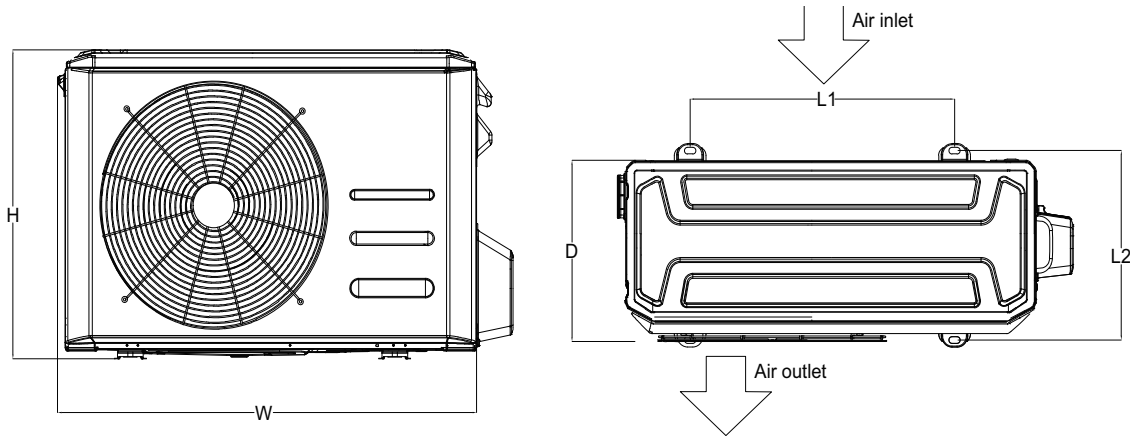
Crankcase Unit

The crankcase heater is standard on all unit sizes. Heater clamps must be placed around the compressor oil stump.

Base pan Heater

The base pan heater is standard on all unit sizes.

DIMENSIONS



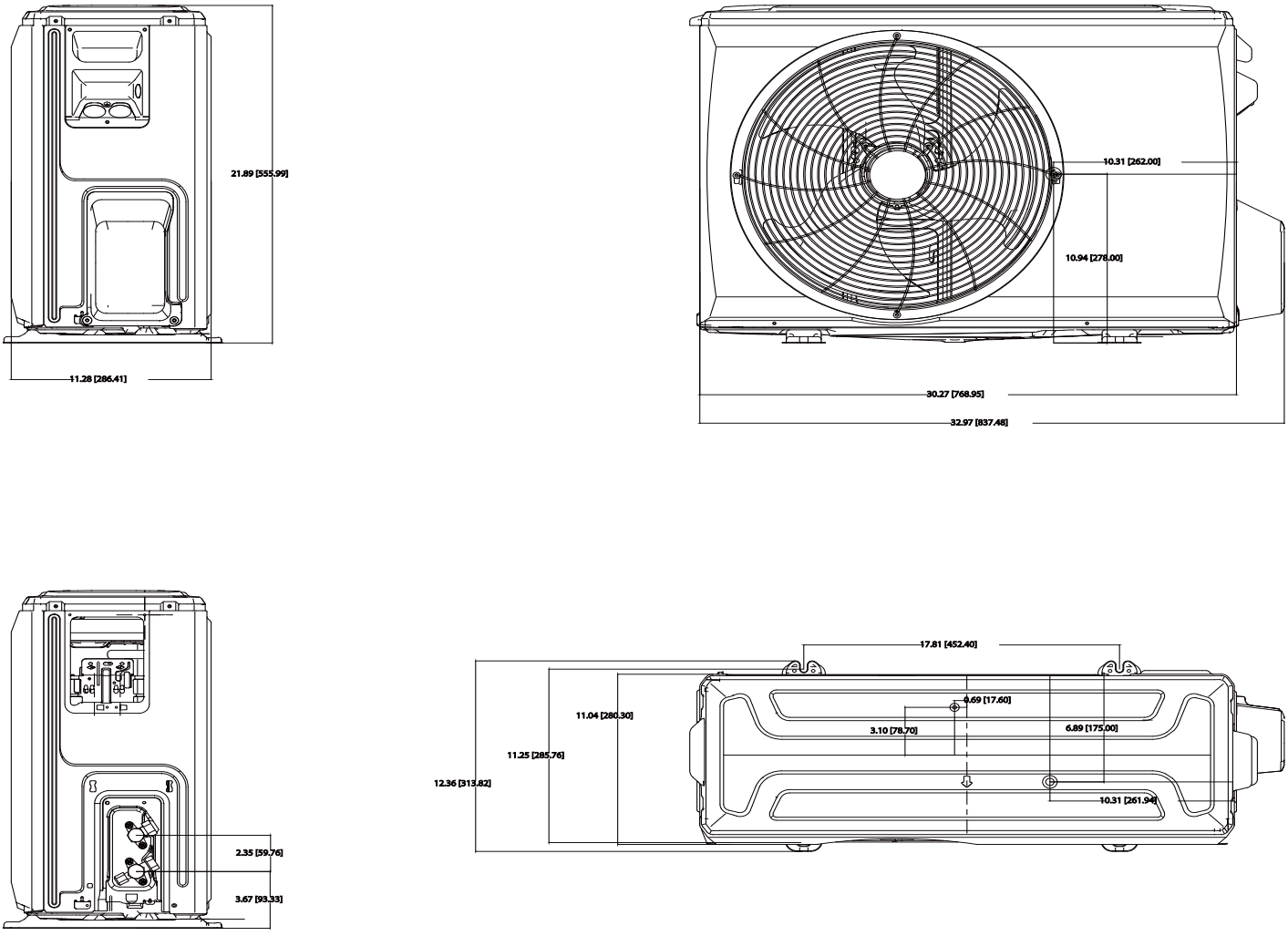
A220414

Fig. 2 — Outdoor Unit

SYSTEM SIZE			12K (115V)	6K (208/230V)	9K (208/230V)	12K (208/230V)	18K (208/230V)	24K (208/230V)	30K (208/230V)	36K (208/230V)
OUTDOOR UNIT	**UNIT**									
	Height (H)	in (mm)	21.85 (555)	21.85 (555)	21.81 (554)	21.81 (554)	26.50 (673)	31.89 (810)	31.89(810)	31.89 (810)
	Width (W)	in (mm)	30.12 (765)	30.12 (765)	31.69 (805)	31.69 (805)	35.04 (890)	37.24 (946)	37.24(946)	37.24 (946)
	Depth (D)	in (mm)	11.93 (303)	11.93 (303)	12.99 (330)	12.99 (330)	13.46 (342)	16.14 (410)	16.14(410)	16.14 (410)
	Weight - Net	lbs. (kg)	66.80 (30.3)	63.71(28.9)	74.07 (33.6)	73.63 (33.4)	100.97 (45.8)	134.48 (61)	141.76(64.3)	150.13 (68.1) 155.42 (70.4) ǂ
	L1	in. (mm)	17.81 (452)	17.81 (452)	20.10 (511)	20.10 (511)	26.10 (663)	26.50 (673)	26.50 (673)	26.50 (673)
	L2	in. (mm)	11.25 (286)	11.25 (286)	12.50 (317)	12.50 (317)	13.70 (347)	15.85 (403)	15.85 (403)	15.85 (403)
	PACKAGING									
	Height	in (mm)	24.02 (610)	24.02 (610)	24.21 (615)	24.21 (615)	29.13 (740)	34.84 (885)	34.84(885)	34.84 (885)
	Width	in (mm)	34.92 (887)	34.92 (887)	36.02 (915)	36.02 (915)	39.17 (995)	42.91 (1090)	42.91(1090)	42.91 (1090)
	Depth	in (mm)	13.27 (337)	13.27 (337)	14.57 (370)	14.57 (370)	15.67 (398)	19.69 (500)	19.69(500)	19.69 (500)
	Weight - Gross	lbs. (kg)	72.31 (32.8)	69(31.3)	80.25 (36.4)	79.37 (36)	108.03 (49)	144.40 (65.5)	151.90(68.9)	158.95 (72.1) 166.23 (75.4)ǂ
	Carton Drawing No.	--	877*327*590	877*327*590	905*360*590	905*360*590	985*388*720	1075*485*86	1075*485*86	1075*485*86
	Carton Material	--	Carton Box							
	Material Thickness	in (mm)	0.197 (5)	0.197 (5)	0.197 (5)	0.197 (5)	0.197 (5)	0.295 (7.5)	0.295(7.5)	0.295 (7.5)

NOTE: ǂ AHU only

DIMENSIONS (CONT)



A220415

Fig. 3 —Dimension Sizes 12K (115V) and 6K (208/230V)

DIMENSIONS (CONT)

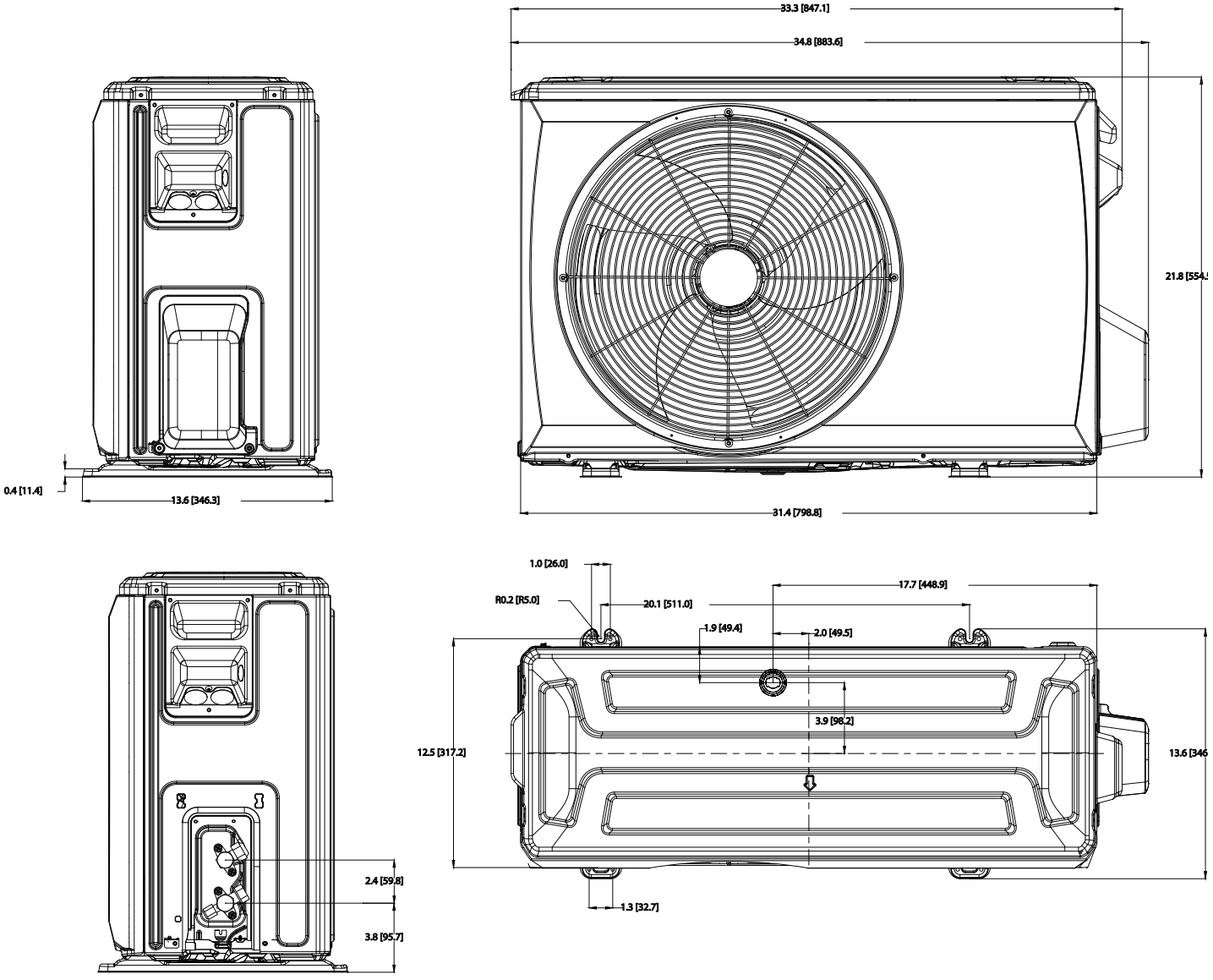
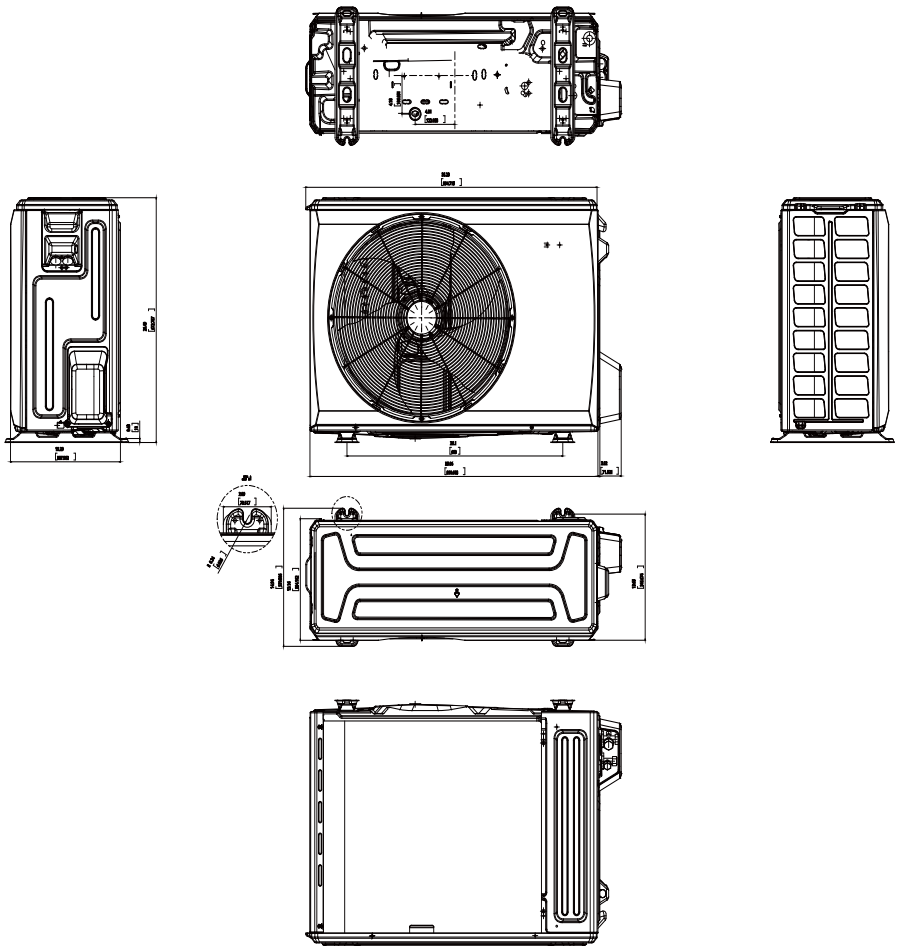


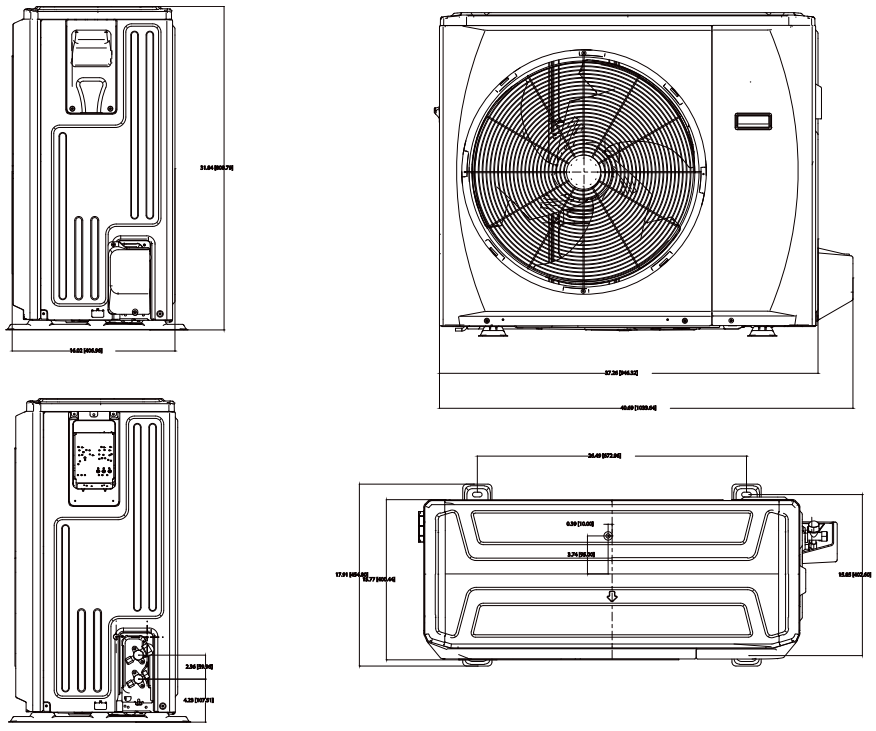
Fig. 4 —Dimension Sizes 09K-12K

DIMENSIONS (CONT)



A220417

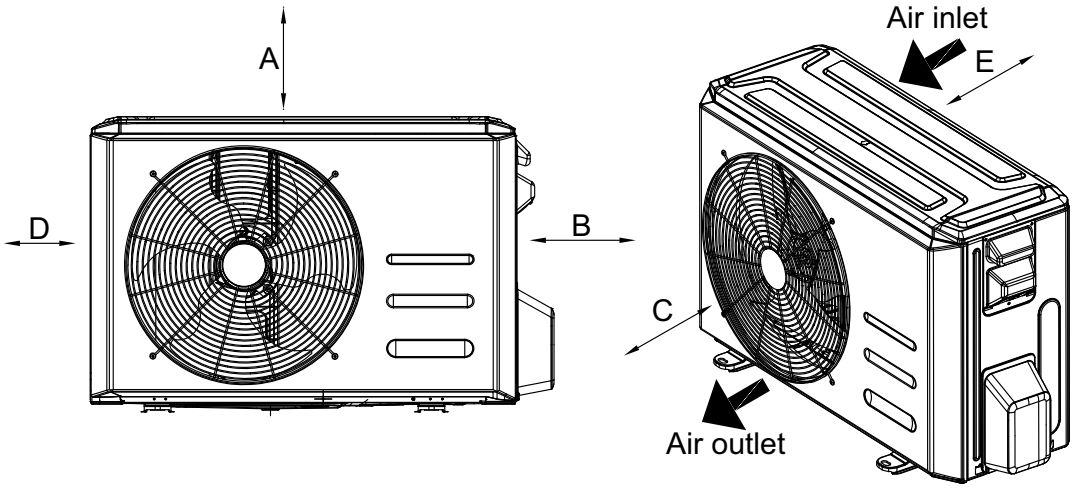
Fig. 5 —Dimension Size 18K



A220418

Fig. 6 —Dimension Sizes 24K, 30K, and 36K

CLEARANCES

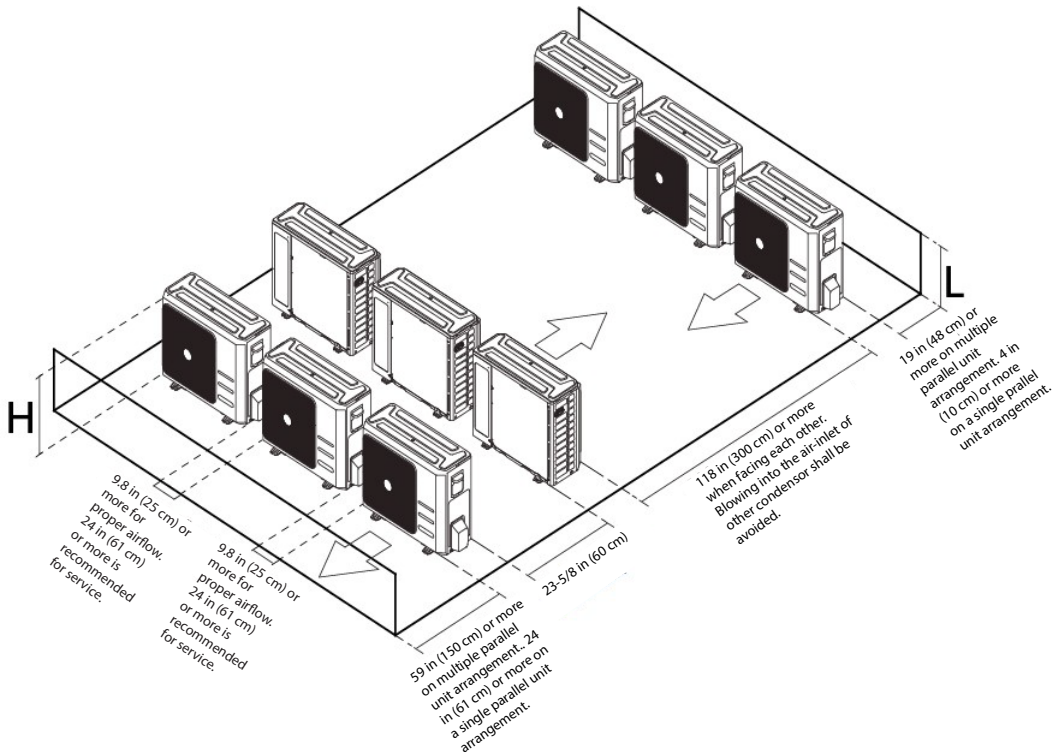


A220419

Fig. 7 —Clearances

UNIT	MINIMUM VALUE in. (mm)
A	24 (610)
B	24 (610)
C	24 (610)
D	4 (101)
E	4 (101)

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



A220421

Fig. 8 —Clearances for multiple units

SPECIFICATIONS

System	Size		12K - 115V	6K	9K	12K - 208/230V	18K	24K	30K	36K	36K - AHU Only
	Outdoor Model		38MARBQ12AA1	38MARBQ06AA3	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3	38MARBQ30AA3	38MARBQ36AA3	38MARBQ36AB3
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	MCA	A.	19	13	15	15	16	25	23	28	30
	Recommended Fuse Size	A.	20	15	15	15	20	30	25	30	35
	MOCP - Fuse Rating	A.	25	15	15	15	25	35	30	35	45
	Short Circuit Current Rating (SCCR)	kA	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Operating Range	Cooling Outdoor DB Min - Max	°F(°C)	-22 ~ 122 (-30 ~ 50)	-22 ~ 122 (-30 ~ 50)	-22 ~ 122 (-30 ~ 50)	-22 ~ 122 (-30 ~ 50)	-22 ~ 122 (-30 ~ 50)	-22 ~ 122 (-30 ~ 50)	-22 ~ 122 (-30 ~ 50)	-22 ~ 122 (-30 ~ 50)	-22 ~ 122 (-30 ~ 50)
	Heating Outdoor DB Min - Max	°F(°C)	-22 ~ 86 (-30 ~ 30)	-22 ~ 86 (-30 ~ 30)	-22 ~ 86 (-30 ~ 30)	-22 ~ 86 (-30 ~ 30)	-22 ~ 86 (-30 ~ 30)	-22 ~ 86 (-30 ~ 30)	-22 ~ 86 (-30 ~ 30)	-22 ~ 86 (-30 ~ 30)	-22 ~ 86 (-30 ~ 30)
Piping	Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	82 (25)	98 (30)	164 (50)	164 (50)	213 (65)	213 (65)
	Piping Lift*	ft (m)	32 (10)	32 (10)	32 (10)	32 (10)	65 (20)	82 (25)	82 (25)	98 (30)	98 (30)
	Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)
Refrigerant	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge	lbs (kg)	2.47 (1.12)	2.38 (1.08)	2.6 (1.18)	2.6 (1.18)	4.08 (1.85)	5.73 (2.6)	6.06 (2.75)	7.50 (3.40)	7.05 (3.2)
	Additional Refrigerant (between Std & Max Piping Lengths)	Oz/ft (g/m)	0.161 (15)	0.161 (15)	0.161 (15)	0.161 (15)	0.161 (15)	0.322 (30)	0.322 (30)	0.322 (30)	0.322 (30)
	Metering Device		EEV	EEV	EEV	EEV	EEV	EEV	EEV	EEV	EEV
Outdoor Coil	Face Area	Sq. Ft.	4.04	4.04	4.67	4.67	5.9	8.16	8.14	8.14	8.16
	No. Rows		2	2	2	2	2	2	3	3	2
	Fins per inch		21	21	20	20	20	20	18	18	20
	Circuits		4	4	4	4	6	4	6	6	4
Compressor	Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
	Model		KSK103D33UEZ3	KSK103D33UEZ3	KTN110D42UFZ	KTN110D42UFZ	KTM240D43UKT	KTM240D43UKT	KTF250D22UMT	KTF250D22UMT	KTF310D43UMT
	Oil Type		VG74	VG74	VG74	VG74	VG74	VG74	VG74	VG74	VG74
	Oil Charge	Fl. Oz.	10.48	10.48	11.84	11.84	20.97	20.97	22.66	22.66	33.8
	Rated Current	RLA	11.5	6.4	6	8.5	14.25	14.8	15	18	20
Airflow & Sound	Airflow	CFM	794.12	1324	1323.53	1323.53	1764.71	2235.29	2235.29	2235.29	3000
	Sound Pressure	dB(A)	54	54.5	54.5	56	59	62	63	61.5	64

* Condensing unit above or below the indoor unit

NOTE: See the current compatibility chart for list of indoor unit and outdoor unit match ups.

PERFORMANCE

High Wall

	INDOOR MODEL		12K (115V)	6K(208/230V)	9K(208/230V)	12K(208/230V)	18K(208/230V)	24K(208/230V)	30K(208/230V)	36K(208/230V)
High Wall	Energy Star		YES	YES	YES	YES	YES	YES	NO	NO
	Cooling Rated Capacity	Btu/h	12,000	6,000	9,000	12,000	18,000	24,000	30,000	36,000
	Cooling Cap. Range Min - Max	Btu/h	3,500 ~ 13,200	2,500 ~ 11,000	3,300 ~ 13,400	3,300 ~ 14,300	8,870 ~ 19,400	6,850 ~ 27,000	9,070 ~ 30,700	9,300 ~ 38,800
	SEER		23.0	26.5	28.1	25.5	21.5	21.5	20.0	17.5
	EER		13	15.8	16.2	14	12.5	13	11.5	8.5
	Heating Rated Capacity (47°F)	Btu/h	12,100	7,400	11,800	12,000	18,000	29,000	30,000	36,000
	Heating Rated Capacity (17°F)	Btu/h	7,400	4,900	7,500	7,500	10,800	19,800	19,000	22,400
	Heating Maximum Capacity (17°F)	Btu/h	12,200	9,000	12,000	12,000	14,000	24,480	20,670	23,600
	Heating Maximum Capacity (5°F)	Btu/h	7,100	7,500	10,500	12,000	18,000	25,400	17,200	20,400
	Heating Cap. Range Min - Max	Btu/h	5,000 ~ 12,200	3,500 ~ 11,600	5,000 ~ 15,200	5,000 ~ 15,300	8,400 ~ 19,500	8,600 ~ 31,000	8,600 ~ 34,800	11,570 ~ 37,000
	HSPF		11.5	14.0	13.0	13.0	13.0	12.0	9.6	9.0
	COP (47°F)	W/W	3.70	3.90	3.81	3.81	3.10	3.40	2.60	2.51
	COP (17°F)	W/W	2.67	3.05	3.00	3.00	2.80	3.05	2.25	2.18
	COP (5°F)	W/W	2.18	1.90	1.80	1.80	1.80	1.80	1.75	1.75

Cassette

	INDOOR MODEL		9K(208/230V)	12K(208/230V)	18K(208/230V)	24K(208/230V)
Cassette	Energy Star		YES	YES	YES	NO
	Cooling System Tons		0.75	1.00	1.33	2.00
	Cooling Rated Capacity	Btu/h	9,000	12,000	16,000	24,000
	Cooling Cap. Range Min - Max	Btu/h	2,850 ~ 11,100	3,000 ~ 13,700	5,600 ~ 17,000	8,000 ~ 25,000
	SEER		20.5	21.5	20.0	20.0
	EER		13.0	12.7	12.5	11.0
	Heating Rated Capacity (47°F)	Btu/h	10,000	12,000	18,000	24,000
	Heating Rated Capacity (17°F)	Btu/h	6,100	7,900	11,000	14,500
	Heating Maximum Capacity (17°F)	Btu/h	11,800	14,000	21,000	24,200
	Heating Maximum Capacity (5°F)	Btu/h	10,200	11,500	17,000	24,100
	Heating Cap. Range Min - Max	Btu/h	1,800 ~ 12,500	2,000 ~ 15,300	8,700 ~ 21,000	11,800 ~ 27,000
	HSPF		10.8	10.6	10.3	11.6
	COP (47°F)	W/W	2.93	3.22	2.88	3.50
	COP (17°F)	W/W	1.80	2.20	1.80	2.70
	COP (5°F)	W/W	1.80	1.86	1.80	1.80

Ducted

	INDOOR MODEL		9K(208/230V)	12K(208/230V)	18K(208/230V)	24K(208/230V)
Ducted	Energy Star		YES	YES	YES	YES
	Cooling System Tons		0.75	1.0	1.4	2.0
	Cooling Rated Capacity	Btu/h	9,000	12,000	16,500	24,000
	Cooling Cap. Range Min - Max	Btu/h	2,400 ~ 12,500	2,250 ~ 14,400	6,500 ~ 18,800	6,500 ~ 27,800
	SEER		23.0	21.5	19.6	20.6
	EER		14.0	13.0	12.5	12.5
	Heating Rated Capacity (47°F)	Btu/h	10,000	12,000	19,000	24,600
	Heating Rated Capacity (17°F)	Btu/h	6,400	8,300	12,700	14,500
	Heating Maximum Capacity (17°F)	Btu/h	11,600	12,900	21,500	26,500
	Heating Maximum Capacity (5°F)	Btu/h	9,900	12,400	17,800	24,600
	Heating Cap. Range Min - Max	Btu/h	1,700 ~ 15,600	1,800 ~ 16,300	8,900 ~ 22,000	12,200 ~ 32,200
	HSPF		12.0	11.5	11.0	12.6
	COP (47°F)	W/W	3.62	3.52	2.93	3.66
	COP (17°F)	W/W	1.90	2.00	1.90	2.80
	COP (5°F)	W/W	1.80	1.87	1.80	2.01

Mix Match Ducted

	INDOOR MODEL		24K(208/230V)
Mix Match Ducted 18K ODU	Energy Star		YES
	Cooling System Tons		1.5
	Cooling Rated Capacity	Btu/h	17,500
	Cooling Cap. Range Min - Max	Btu/h	6,500 ~ 22,500
	SEER		20.0
	EER		13.2
	Heating Rated Capacity (47°F)	Btu/h	19,000
	Heating Rated Capacity (17°F)	Btu/h	12,600
	Heating Maximum Capacity (17°F)	Btu/h	21,500
	Heating Maximum Capacity (5°F)	Btu/h	18,000
	Heating Cap. Range Min - Max	Btu/h	9,000 ~ 23,500
	HSPF		11.5
	COP (47°F)	W/W	3.71
	COP (17°F)	W/W	2.78
	COP (5°F)	W/W	1.80

Console

	INDOOR MODEL		12K(208/230V)	18K(208/230V)	24K(208/230V)
Console	Energy Star		YES	YES	NO
	Cooling System Tons		1.0	1.4	2.0
	Cooling Rated Capacity	Btu/h	12,000	17,000	24,000
	Cooling Cap. Range Min - Max	Btu/h	2,800 ~ 13,500	7,800 ~ 19,900	9,000 ~ 26,800
	SEER		23.0	20.2	20.2
	EER		13.0	12.5	11.5
	Heating Rated Capacity (47°F)	Btu/h	12,000	18,000	24,600
	Heating Rated Capacity (17°F)	Btu/h	8,400	12,000	14,500
	Heating Maximum Capacity (17°F)	Btu/h	13,100	20,700	26,661
	Heating Maximum Capacity (5°F)	Btu/h	12,100	16,000	24,894
	Heating Cap. Range Min - Max	Btu/h	2,350 ~ 15,700	8,600 ~ 21,500	12,500 ~ 30,500
	HSPF		11.5	10.6	11.6
	COP (47°F)	W/W	3.22	3.19	3.52
	COP (17°F)	W/W	2	1.8	2.7
	COP (5°F)	W/W	1.84	1.80	1.80

Air Handler

	INDOOR MODEL		18K(208/230V)	24K(208/230V)	30K(208/230V)	36K(208/230V)‡
Air Handler	Energy Star		YES	YES	NO	NO
	Cooling System Tons		1.5	1.9	2.5	3.0
	Cooling Rated Capacity	Btu/h	18,000	23,000	30,000	36,000
	Cooling Cap. Range Min - Max	Btu/h	6,8000 ~ 20,000	7,500 ~ 26,000	9,500 ~ 31,200	11,600 ~ 41,000
	SEER		20.0	21.0	19.0	17.0
	EER		12.5	12.5	11.1	8.8
	Heating Rated Capacity (47°F)	Btu/h	19,000	26,000	30,000	38,000
	Heating Rated Capacity (17°F)	Btu/h	12,000	16,200	19,200	25,600
	Heating Maximum Capacity (17°F)	Btu/h	18,500	23,400	19,600	25,600
	Heating Maximum Capacity (5°F)	Btu/h	18,000	23,000	18,000	20,500
	Heating Cap. Range Min - Max	Btu/h	5,800 ~ 21,000	5,600 ~ 29,000	12,000 ~ 32,000	9,200 ~ 43,000
	HSPF		10.0	11.6	10.0	11.3
	COP (47°F)	W/W	3.62	3.58	3.26	3.35
	COP (17°F)	W/W	2.34	2.80	2.60	2.62
	COP (5°F)	W/W	1.90	1.95	1.85	1.90

Note: ǂ AHU only

FAN COILS

FB4C Fan Coil

HEAT PUMP SYSTEM			12K	18K	24K	30K	36K
FB4C Fan Coil	**Indoor Model**		**FB4CNF018L**	**FB4CNF018L**	**FB4CNF024L**	**FB4CNF030L**	**FB4CNF036L**
	Indoor Model 2		**FB4CNP018L**	**FB4CNP018L**	**FB4CNP024L**	**FB4CNP030L**	**FB4CNP036L**
	Energy Star		NO	NO	NO	NO	NO
	Cooling System Tons		1.0	1.5	1.8	2.4	2.9
	Cooling Rated Capacity	Btu/h	12,100	18,200	21,600	28,400	34,200
	Cooling Cap. Range Min - Max	Btu/h	7,300 ~ 14,800	13,900 ~ 21,400	11,100 ~ 26,400	14,200 ~ 32,400	13,700 ~ 41,500
	SEER		17.5	19/17	15.5	17.5	14.5
	EER		11.1	12.0	11.7	10.5	9.8
	Heating Rated Capacity (47°F)	Btu/h	13,500	18,900	26,200	28,400	35,600
	Heating Rated Capacity (17°F)	Btu/h	7,200	14,700	16,100	19,100	20,000
	Heating Cap. Range Min - Max	Btu/h	5,500 ~ 14,700	11,500 ~ 20,600	11,900 ~ 28,600	11,000 ~ 31,000	10,400 ~ 38,800
	HSPF		9.0	10.5	9.5	11.5	8.2
	COP (47°F)	W/W	3.74	3.86	3.34	3.34	3.16
	COP (17°F)	W/W	2.36	3.24	2.28	2.58	2.26

FM4AX Fan Coil

HEAT PUMP SYSTEM			12K	18K	24K	30K	36K
FM4AX Fan Coil	**Indoor Model**		**FMA4X18**AL***	**FMA4X18**AL***	**FMA4X24**AL***	**FMA4X30**AL***	**FMA4X36**AL***
	Energy Star		NO	NO	NO	NO	NO
	Cooling System Tons		1.1	1.5	1.8	2.5	2.9
	Cooling Rated Capacity	Btu/h	12,700	18,000	22,000	29,600	34,800
	Cooling Cap. Range Min - Max	Btu/h	7,800 ~ 15,700	13,800 ~ 21,200	11,400 ~ 26,900	15,000 ~ 33,700	14,100 ~ 42,200
	SEER		15.5	17.0	15.0	16.5	15
	EER		11.1	11.8	11.8	10.7	10.0
	Heating Rated Capacity (47°F)	Btu/h	13,700	19,200	26,200	29,200	36,400
	Heating Rated Capacity (17°F)	Btu/h	7,200	15,000	16,000	19,400	20,200
	Heating Cap. Range Min - Max	Btu/h	5,700 ~ 14,900	11,600 ~ 20,900	11,900 ~ 28,600	11,400 ~ 31,800	10,600 ~ 39,700
	HSPF		9.5	11.0	10.0	12.0	9.0
	COP (47°F)	W/W	4.06	3.86	3.54	3.74	3.38
	COP (17°F)	W/W	2.48	3.30	2.40	2.80	2.44

FX4D Fan Coil

HEAT PUMP SYSTEM			12K	18K	24K	30K	36K
FX4D Fan Coil	**Indoor Model**		**FX4DNF019L**	**FX4DNF019L**	**FX4DNF025L**	**FX4DNF031L**	**FX4DN(B,F)037L**
	Energy Star		NO	NO	NO	NO	NO
	Cooling System Tons		1.1	1.5	1.9	2.4	2.9
	Cooling Rated Capacity	Btu/h	12,900	18,500	22,200	28,200	35,000
	Cooling Cap. Range Min - Max	Btu/h	8,100 ~ 16,000	14,000 ~ 21,800	11,400 ~ 27,100	14,100 ~ 32,100	13,900 ~ 42,200
	SEER		17.0	18.0	15.5	17.0	16
	EER		11.6	12.2	12.1	10.6	10.3
	Heating Rated Capacity (47°F)	Btu/h	13,400	18,500	25,400	27,800	34,400
	Heating Rated Capacity (17°F)	Btu/h	7,200	14,500	15,500	18,800	19,000
	Heating Cap. Range Min - Max	Btu/h	5,600 ~ 14,600	11,400 ~ 20,200	11,700 ~ 27,700	10,800 ~ 30,300	9,900 ~ 37,500
	HSPF		9.5	10.5	10.5	11.5	8.5
	COP (47°F)	W/W	4.14	3.90	3.72	3.28	3.22
	COP (17°F)	W/W	2.50	3.26	2.64	2.58	2.30

FV4C Fan Coil

	HEAT PUMP SYSTEM		12K	18K	24K	30K	36K
FV4C Fan Coil	Indoor Model		FV4CNF002L	FV4CNF002L	FV4CNF002L	FV4CN(B,F)003L	FV4CN(B,F)003L
	Energy Star		NO	NO	NO	NO	NO
	Cooling System Tons		1.0	1.5	1.9	2.4	3.0
	Cooling Rated Capacity	Btu/h	11,500	17,400	22,200	29,000	35,600
	Cooling Cap. Range Min - Max	Btu/h	7,800 ~ 15,700	14,100 ~ 21,400	11,100 ~ 26,400	14,100 ~ 32,400	13,700 ~ 41,500
	SEER		16.5	16.0	14.9	16.0	15.4
	EER		11.7	11.5	11.4	10.7	9.3
	Heating Rated Capacity (47°F)	Btu/h	11,500	17,100	24,400	29,400	3,700
	Heating Rated Capacity (17°F)	Btu/h	6,200	13,400	15,200	19,200	21,800
	Heating Cap. Range Min - Max	Btu/h	5,500 ~ 14,600	11,700 ~ 21,000	11,900 ~ 28,600	11,400 ~ 31,400	10,400 ~ 38,800
	HSPF		10.0	10.5	11.0	11.0	9.9
	COP (47°F)	W/W	3.65	3.65	3.85	3.25	3.10
	COP (17°F)	W/W	2.15	3.25	2.80	2.50	2.30

FMC-FMU Fan Coil

	HEAT PUMP SYSTEM		12K	18K	24K	30K	36K
FMC-FMU Fan Coil	Indoor Model		FM(C,U)4Z18**AL*	FM(C,U)4Z18**AL*	FM(C,U)4Z24**AL*	FM(C,U)4Z30**AL*	FM(C,U)4Z36**AL*
	Energy Star		NO	NO	NO	NO	NO
	Cooling System Tons		1.1	1.5	1.8	2.4	2.9
	Cooling Rated Capacity	Btu/h	13,000	18,500	22,000	28,800	34,600
	Cooling Capacity Range Min - Max	Btu/h	8,100 ~ 16,000	14,100 ~ 21,800	11,500 ~ 26,900	14,500 ~ 32,800	14,200 ~ 42,200
	SEER		17.0	19.0	15.5	17.5	15.5
	EER		11.6	12.2	12.0	10.7	10.1
	Heating Rated Capacity (47°F)	Btu/h	13,600	19,300	26,200	28,800	36,200
	Heating Rated Capacity (17°F)	Btu/h	7,200	15,000	16,100	19,200	20,200
	Heating Capacity Range Min - Max	Btu/h	5,600 ~ 14,600	11,700 ~ 21,000	11,800 ~ 28,600	11,100 ~ 31,400	10,500 ~ 39,500
	HSPF		10.0	11.5	10.0	12.5	9.0
	COP (47°F)	W/W	4.16	4.04	3.42	3.54	3.36
	COP (17°F)	W/W	2.52	3.40	2.28	2.76	2.44

FURNACES

58S(B,C) Furnaces

58S(B,C) Furnace	Indoor Model		58S(B,C)*A045E14**12				
	Energy Star		NO	NO	NO	NO	NO
	Cooling System Tons		1.0	1.6	1.9	2.4	2.9
	Cooling Rated Capacity	Btu/h	12,500	18,600	22,600	28,600	34,800
	Cooling Cap. Range Min - Max	Btu/h	7,700 ~ 15,400	14,000 ~ 21,800	11,500 ~ 27,600	14,300 ~ 32,600	13,600 ~ 42,000
	SEER		16.0	18.0	15.5	16.0	14.5
	EER		11.2	12.4	12.1	10.3	10.0
	Heating Rated Capacity (47°F)	Btu/h	13,600	18,800	26,000	28,600	34,800
	Heating Rated Capacity (17°F)	Btu/h	7,200	14,700	16,000	19,200	19,300
	Heating Cap. Range Min - Max	Btu/h	5,600 ~ 14,800	11,400 ~ 20,500	11,900 ~ 28,300	11,200 ~ 31,200	10,200 ~ 37,900
	HSPF		9.0	11.0	10.5	11.0	8.5
	COP (47°F)	W/W	4.00	3.86	3.84	3.38	3.20
	COP (17°F)	W/W	2.44	3.28	2.68	2.58	2.28

58SU Furnaces

58SU Furnace	Indoor Model		58SU*A040E17**12				
	Energy Star		NO	NO	NO	NO	NO
	Cooling System Tons		1.0	1.5	1.9	2.4	3.0
	Cooling Rated Capacity	Btu/h	12,500	18,300	22,400	28,600	35,600
	Cooling Cap. Range Min - Max	Btu/h	7,700 ~ 15,500	13,800 ~ 21,400	11,500 ~ 27,400	14,400 ~ 32,600	13,900 ~ 42,900
	SEER		17.5	18.0	16.0	17.0	15.0
	EER		11.5	12.4	12.3	10.7	10.2
	Heating Rated Capacity (47°F)	Btu/h	13,500	18,400	25,600	28,200	35,200
	Heating Rated Capacity (17°F)	Btu/h	7,100	14,500	15,500	19,000	19,600
	Heating Cap. Range Min - Max	Btu/h	5,600 ~ 14,700	11,200 ~ 20,100	11,700 ~ 27,900	10,900 ~ 30,700	10,200 ~ 38,400
	HSPF		9.5	11.0	11.0	11.5	8.5
	COP (47°F)	W/W	4.12	3.74	3.86	3.40	3.34
	COP (17°F)	W/W	2.54	3.24	2.74	2.60	2.34

58TP Furnaces

58TP Furnace	Indoor Model		58TP*A045V14**12				
	Energy Star		NO	NO	NO	NO	NO
	Cooling System Tons		1.1	1.5	1.9	2.4	2.9
	Cooling Rated Capacity	Btu/h	12,600	18,500	22,200	28,400	34,800
	Cooling Cap. Range Min - Max	Btu/h	7,800 ~ 15,600	13,900 ~ 21,700	11,400 ~ 27,400	14,200 ~ 32,400	13,600 ~ 42,000
	SEER		17.0	18.0	15.5	16.5	14.5
	EER		11.4	12.4	12.1	10.4	10.0
	Heating Rated Capacity (47°F)	Btu/h	13,500	18,600	25,800	28,400	35,200
	Heating Rated Capacity (17°F)	Btu/h	7,200	14,600	15,700	19,100	19,700
	Heating Cap. Range Min - Max	Btu/h	5,600 ~ 14,700	11,300 ~ 20,300	11,800 ~ 28,100	11,000 ~ 31,000	10,300 ~ 38,400
	HSPF		9.5	11.0	10.5	11.0	8.5
	COP (47°F)	W/W	4.04	3.82	3.78	3.34	3.20
	COP (17°F)	W/W	2.46	3.28	2.66	2.56	2.30

59SC2 Furnaces

59SC2 Furnace	Indoor Model		59SC2D060E14**12				
	Energy Star		NO	NO	NO	NO	NO
	Cooling System Tons		1.1	1.6	1.9	2.4	2.9
	Cooling Rated Capacity	Btu/h	12,700	18,700	22,600	28,800	34,800
	Cooling Cap. Range Min - Max	Btu/h	7,900 ~ 15,700	14,000 ~ 21,900	11,500 ~ 27,800	14,400 ~ 32,800	13,700 ~ 42,200
	SEER		17.0	18.0	15.0	16.0	14.5
	EER		11.5	12.4	12.1	10.4	10.0
	Heating Rated Capacity (47°F)	Btu/h	13,500	18,800	26,000	28,600	35,200
	Heating Rated Capacity (17°F)	Btu/h	7,200	14,700	16,000	19,200	19,800
	Heating Cap. Range Min - Max	Btu/h	5,600 ~ 14,700	11,400 ~ 20,500	11,900 ~ 28,300	11,200 ~ 31,200	10,300 ~ 38,400
	HSPF		9.5	11.0	10.5	11.0	8.5
	COP (47°F)	W/W	4.18	3.88	3.86	3.42	3.22
	COP (17°F)	W/W	2.54	3.30	2.68	2.58	2.30

59SC5 Furnaces

59SC5 Furnace	Indoor Model		59SC5B060E14**12			
	Energy Star		NO	NO	NO	NO
	Cooling System Tons		1.1	1.5	1.9	2.4
	Cooling Rated Capacity	Btu/h	12,900	18,400	23,000	29,200
	Cooling Cap. Range Min - Max	Btu/h	8,000 ~ 15,800	14,000 ~ 21,700	11,600 ~ 28,300	14,300 ~ 33,300
	SEER		15.0	16.5	15.5	15.5
	EER		11.0	11.9	12.2	10.4
	Heating Rated Capacity (47°F)	Btu/h	13,700	19,100	26,200 1.957"	28,600
	Heating Rated Capacity (17°F)	Btu/h	7,300	14,900	16,000	19,300
	Heating Cap. Range Min - Max	Btu/h	5,800 ~ 14,900	11,700 ~ 20,800	11,900 ~ 28,600	11,300 ~ 31,200
	HSPF		9.0	10.5	11.0	11.0
	COP (47°F)	W/W	4.00	3.94	4.08	3.44
	COP (17°F)	W/W	2.40	3.26	2.88	2.62

59SU5 Furnaces

59SU5 Furnace	Indoor Model		59SU5A040E17**12			
	Energy Star		NO	NO	NO	NO
	Cooling System Tons		1.1	1.5	1.9	2.4
	Cooling Rated Capacity	Btu/h	12,600	18,500	22,600	28,200
	Cooling Cap. Range Min - Max	Btu/h	7,800 ~ 15,600	13,900 ~ 21,700	11,500 ~ 27,800	14,200 ~ 32,100
	SEER		17.0	18.0	15.5	16.5
	EER		11.4	12.3	12.1	10.5
	Heating Rated Capacity (47°F)	Btu/h	13,500	18,600	25,800	28,200
	Heating Rated Capacity (17°F)	Btu/h	7,200	14,600	15,700	19,000
	Heating Cap. Range Min - Max	Btu/h	5,600 ~ 14,700	11,300 ~ 20,300	11,800 ~ 28,100	10,900 ~ 30,700
	HSPF		9.5	11.0	11.0	11.5
	COP (47°F)	W/W	4.12	3.80	3.90	3.30
	COP (17°F)	W/W	2.52	3.26	2.72	2.56

59TP6 Furnaces

	Indoor Model		59TP6B060V17**14				
59TP6 Furnace	Energy Star		NO	NO	NO	NO	NO
	Cooling System Tons		1.1	1.6	1.9	2.4	2.9
	Cooling Rated Capacity	Btu/h	12,700	18,800	22,200	28,400	34,800
	Cooling Cap. Range Min - Max	Btu/h	7,900 ~ 15,700	14,000 ~ 22,000	11,400 ~ 27,100	14,400 ~ 32,400	13,600 ~ 42,200
	SEER		16.5	18.0	15.5	16.5	14.5
	EER		11.3	12.4	12.0	10.4	9.9
	Heating Rated Capacity (47°F)	Btu/h	13,500	18,800	26,000	28,400	35,000
	Heating Rated Capacity (17°F)	Btu/h	7,200	14,700	15,800	19,100	19,600
	Heating Cap. Range Min - Max	Btu/h	5,600 ~ 14,700	11,500 ~ 20,500	11,800 ~ 28,300	11,000 ~ 31,000	10,300 ~ 38,200
	HSPF		9.0	11.0	11.0	11.5	8.2
	COP (47°F)	W/W	4.14	3.90	3.80	3.34	3.20
	COP (17°F)	W/W	2.52	3.26	2.70	2.58	2.28

NOTE: See the current compatibility chart for complete list of outdoor unit and furnace/case coil match ups. For furnaces, actual performance values will vary +/-5% depending on the cased coil selected and installed.

PERFORMANCE

COOLING PERFORMANCE - HIGH WALL

HIGH WALL (Sheet 1 of 2)

MODEL	COOLING Indoor Conditions DB	WB		OUTDOOR CONDITIONS (DB) (-22°F) (-25°C)	-13°F (-25°C)	-4°F (-20°C)	0°F (-17°C)	5°F (-15°C)	17°F (-8°C)	47°F (8°C)	77°F (25°C)	86°F (30°C)	95°F (35°C)	104°F (40°C)	113°F (45°C)	122°F (50°C)
12K (115V)	69.8°F (21°C)	59°F (15°C)	TC	13.55	13.20	12.85	12.18	12.29	11.05	11.23	11.23	10.79	10.79	9.11	7.34	5.20
			SC	10.14	9.88	9.62	8.65	8.73	8.12	8.22	8.22	8.03	8.08	6.84	6.18	5.06
			Input	0.82	0.83	0.83	0.86	0.86	0.93	0.54	0.88	0.84	1.03	1.00	0.89	0.73
	75.2°F (24°C)	62.6°F (17°C)	TC	14.57	14.22	13.87	13.20	13.31	12.08	12.25	12.25	11.81	11.81	10.13	8.36	6.22
			SC	10.55	10.30	10.05	9.56	9.64	8.75	8.87	8.87	8.56	8.56	7.34	6.06	4.50
			Input	0.83	0.84	0.84	0.87	0.87	0.94	0.55	0.89	0.85	1.04	1.01	0.90	0.74
	80.6°F (27°C)	66.2°F (19°C)	TC	15.53	15.18	14.83	14.16	14.27	13.04	13.21	13.21	12.77	12.77	11.09	9.32	7.18
			SC	11.02	10.78	10.53	10.05	10.13	9.25	9.38	9.38	9.07	9.06	7.87	6.62	5.10
			Input	0.85	0.85	0.85	0.89	0.88	0.95	0.56	0.90	0.86	1.06	1.02	0.91	0.76
	89.6°F (32°C)	73.4°F (23°C)	TC	17.30	16.95	16.60	15.93	16.04	14.81	14.98	14.98	14.54	14.54	12.86	11.09	8.95
			SC	11.20	10.98	10.75	10.32	10.39	9.59	9.70	9.70	9.42	9.42	8.33	7.18	5.80
			Input	0.87	0.88	0.88	0.91	0.91	0.98	0.59	0.93	0.89	1.08	1.05	0.94	0.78
6K (208-230V)	69.8°F (21°C)	59°F (15°C)	TC	13.40	13.09	12.77	12.45	12.21	11.37	11.21	10.79	10.56	10.32	9.39	8.30	6.36
			SC	9.63	9.41	9.18	8.52	8.40	7.95	7.92	7.69	7.57	7.41	7.02	6.49	5.60
			Input	0.63	0.65	0.66	0.72	0.75	0.80	0.47	0.68	0.82	0.96	0.97	0.97	0.89
	75.2°F (24°C)	62.6°F (17°C)	TC	14.38	14.06	13.75	13.42	13.19	12.34	12.18	11.76	11.53	11.29	10.37	9.27	7.33
			SC	10.30	10.07	9.84	9.61	9.45	8.84	8.72	8.42	8.26	8.09	7.42	6.64	5.25
			Input	0.63	0.65	0.67	0.73	0.75	0.80	0.47	0.68	0.82	0.96	0.97	0.98	0.89
	80.6°F (27°C)	66.2°F (19°C)	TC	15.32	15.01	14.69	14.37	14.13	13.28	13.12	12.70	12.48	12.24	11.31	10.22	8.28
			SC	10.80	10.58	10.35	10.13	9.96	9.36	9.25	8.95	8.79	8.62	7.97	7.20	5.83
			Input	0.64	0.66	0.68	0.74	0.77	0.81	0.48	0.69	0.83	0.97	0.98	0.99	0.90
	89.6°F (32°C)	73.4°F (23°C)	TC	17.15	16.83	16.52	16.20	15.96	15.11	14.95	14.53	14.30	14.06	13.14	12.05	10.10
			SC	12.14	11.92	11.69	11.46	11.30	10.70	10.58	10.29	10.12	9.96	9.30	8.53	7.15
			Input	0.66	0.68	0.70	0.76	0.79	0.84	0.50	0.71	0.85	0.99	1.01	1.01	0.92
9K (208-230V)	69.8°F (21°C)	59°F (15°C)	TC	12.14	11.96	11.77	10.51	11.00	11.14	11.59	11.12	12.01	11.48	10.21	9.01	5.36
			SC	8.78	8.65	8.52	7.85	8.10	8.22	11.83	8.19	8.57	8.31	7.67	7.06	5.31
			Input	0.20	0.26	0.31	0.26	0.38	0.42	0.59	0.70	1.01	1.10	1.09	1.05	0.68
	75.2°F (24°C)	62.6°F (17°C)	TC	13.10	12.92	12.74	11.47	11.96	12.10	12.56	12.08	12.98	12.45	11.17	9.98	6.33
			SC	9.61	9.48	9.34	8.41	8.77	8.88	9.21	8.86	9.52	9.13	8.19	7.32	4.64
			Input	0.22	0.27	0.32	0.28	0.39	0.43	0.60	0.71	1.03	1.12	1.10	1.07	0.69
	80.6°F (27°C)	66.2°F (19°C)	TC	14.11	13.93	13.75	12.48	12.97	13.11	13.56	13.09	13.98	13.46	12.18	10.99	7.33
			SC	10.20	10.06	9.93	9.02	9.37	9.47	9.80	9.46	10.10	9.72	8.80	7.94	5.30
			Input	0.23	0.28	0.34	0.29	0.40	0.44	0.62	0.73	1.04	1.13	1.12	1.08	0.70
	89.6°F (32°C)	73.4°F (23°C)	TC	16.06	15.88	15.69	14.43	14.92	15.06	15.51	15.04	15.93	15.41	14.13	12.94	9.28
			SC	11.66	11.52	11.39	10.47	10.83	10.93	11.26	10.91	11.56	11.18	10.25	9.39	6.74
			Input	0.26	0.31	0.36	0.32	0.43	0.47	0.64	0.76	1.07	1.16	1.14	1.11	0.73
12K (208-230V)	69.8°F (21°C)	59°F (15°C)	TC	12.51	12.30	12.09	11.16	10.76	11.07	11.85	11.50	12.53	12.19	10.59	8.56	4.48
			SC	8.60	8.46	8.31	8.22	7.93	7.79	8.18	8.05	8.57	8.38	7.67	6.68	4.47
			Input	0.24	0.29	0.34	0.34	0.35	0.48	0.59	0.70	1.00	1.21	1.09	1.07	0.69
	75.2°F (24°C)	62.6°F (17°C)	TC	13.65	13.44	13.23	12.30	11.90	12.21	12.99	12.63	13.67	13.33	11.73	9.70	5.62
			SC	9.37	9.23	9.08	8.44	8.17	8.38	8.92	8.67	9.38	9.15	8.05	6.66	3.85
			Input	0.25	0.30	0.36	0.35	0.37	0.49	0.60	0.71	1.01	1.22	1.10	1.08	0.70
	80.6°F (27°C)	66.2°F (19°C)	TC	14.72	14.51	14.30	13.37	12.97	13.28	14.06	13.70	14.74	14.40	12.80	10.77	6.68
			SC	9.90	9.76	9.62	8.99	8.72	8.93	9.46	9.22	9.91	9.69	8.61	7.24	4.50
			Input	0.27	0.32	0.37	0.37	0.38	0.51	0.61	0.72	1.03	1.23	1.12	1.10	0.72
	89.6°F (32°C)	73.4°F (23°C)	TC	16.73	16.52	16.31	15.38	14.98	15.29	16.07	15.72	16.75	16.41	14.81	12.78	8.70
			SC	10.23	10.10	9.97	9.40	9.16	9.35	9.83	9.61	10.24	10.04	9.06	7.81	5.32
			Input	0.30	0.35	0.40	0.40	0.41	0.54	0.64	0.75	1.06	1.27	1.15	1.13	0.75
18K (208-230V)	69.8°F (21°C)	59°F (15°C)	TC	19.68	19.17	18.67	17.08	17.39	17.95	16.75	12.38	16.82	16.19	14.66	10.42	7.58
			SC	14.77	14.40	14.02	12.25	12.39	12.63	12.34	10.41	12.37	12.16	11.41	9.47	7.43
			Input	0.47	0.54	0.61	0.72	0.72	0.74	0.93	0.77	1.47	1.73	1.88	1.47	1.36
	75.2°F (24°C)	62.6°F (17°C)	TC	21.33	20.82	20.32	18.73	19.04	19.60	18.40	14.03	18.47	17.84	16.31	12.07	9.23
			SC	15.31	14.95	14.58	13.45	13.67	14.07	13.21	10.07	13.26	12.80	11.70	8.67	6.62
			Input	0.51	0.58	0.65	0.76	0.76	0.78	0.97	0.81	1.51	1.77	1.92	1.51	1.40
	80.6°F (27°C)	66.2°F (19°C)	TC	22.85	22.35	21.85	20.26	20.57	21.13	19.93	15.56	20.00	19.37	17.83	13.60	10.75
			SC	15.86	15.51	15.16	14.06	14.28	14.67	13.83	10.80	13.88	13.44	12.38	9.44	7.47
			Input	0.56	0.63	0.70	0.81	0.81	0.83	1.01	0.86	1.56	1.82	1.97	1.56	1.44
	89.6°F (32°C)	73.4°F (23°C)	TC	25.72	25.21	24.71	23.12	23.43	23.99	22.79	18.42	22.86	22.23	20.70	16.46	13.62
			SC	15.84	15.53	15.22	14.24	14.43	14.78	14.04	11.35	14.08	13.69	12.75	10.14	8.39
			Input	0.64	0.71	0.79	0.89	0.89	0.92	1.10	0.94	1.64	1.90	2.05	1.64	1.53

HIGH WALL (Sheet 2 of 2)

MODEL	COOLING Indoor Conditions DB	WB		OUTDOOR CONDITIONS (DB) (-22°F) (-25°C)	-13°F (-25°C)	-4°F (-20°C)	0°F (-17°C)	5°F (-15°C)	17°F (-8°C)	47°F (8°C)	77°F (25°C)	86°F (30°C)	95°F (35°C)	104°F (40°C)	113°F (45°C)	122°F (50°C)
24K (208-230V)	69.8°F (21°C)	59°F (15°C)	TC	25.33	25.02	24.71	21.71	23.65	21.89	28.18	25.19	24.00	22.65	21.45	18.45	15.41
			SC	18.11	17.89	17.67	15.85	16.72	15.78	19.00	17.47	16.85	16.20	15.56	14.06	12.58
			Input	1.26	1.33	1.40	1.41	1.46	1.79	1.53	1.86	2.04	2.23	2.43	2.31	2.27
	75.2°F (24°C)	62.6°F (17°C)	TC	26.11	25.80	25.49	22.49	24.43	22.67	28.96	25.97	24.78	23.43	22.24	19.23	16.19
			SC	18.93	18.70	18.48	16.31	17.71	16.43	21.00	18.83	17.96	16.99	16.12	13.94	11.73
			Input	1.28	1.34	1.41	1.42	1.48	1.81	1.54	1.87	2.05	2.24	2.44	2.32	2.28
	80.6°F (27°C)	66.2°F (19°C)	TC	26.97	26.66	26.35	23.36	25.29	23.53	29.83	26.84	25.64	24.30	23.10	20.09	17.05
			SC	19.48	19.25	19.03	16.87	18.26	16.99	21.54	19.38	18.51	17.54	16.68	14.51	12.31
			Input	1.29	1.36	1.43	1.44	1.49	1.82	1.55	1.89	2.07	2.26	2.46	2.34	2.30
	89.6°F (32°C)	73.4°F (23°C)	TC	28.76	28.45	28.13	25.14	27.08	25.32	31.61	28.62	27.42	26.08	24.88	21.87	18.83
			SC	20.86	20.63	20.40	18.23	19.64	18.36	22.93	20.76	19.89	18.91	18.05	15.86	13.66
			Input	1.32	1.39	1.46	1.47	1.52	1.85	1.59	1.92	2.10	2.29	2.49	2.37	2.33
30K (208-230V)	69.8°F (21°C)	59°F (15°C)	TC	33.23	32.10	30.97	29.76	28.98	27.43	25.33	20.49	18.99	24.71	23.41	15.64	6.52
			SC	24.05	23.23	22.42	20.12	19.71	18.99	18.02	15.53	14.82	17.89	16.92	13.36	6.52
			Input	0.99	1.08	1.17	1.18	1.27	1.40	1.69	1.34	1.51	3.01	3.31	2.34	1.52
	75.2°F (24°C)	62.6°F (17°C)	TC	36.69	35.56	34.43	33.23	32.44	30.89	28.79	23.96	22.45	28.17	26.87	19.10	9.98
			SC	22.88	22.17	21.47	20.72	20.23	19.26	17.95	14.94	14.00	17.57	16.75	11.91	6.22
			Input	1.96	2.05	2.13	2.15	2.24	2.37	2.66	2.31	2.47	3.98	4.28	3.31	2.49
	80.6°F (27°C)	66.2°F (19°C)	TC	39.85	38.72	37.59	36.38	35.60	34.05	31.95	27.11	25.61	31.33	30.03	22.26	13.14
			SC	23.50	22.83	22.17	21.46	20.99	20.08	18.84	15.99	15.10	18.48	17.71	13.13	7.75
			Input	2.62	2.71	2.79	2.81	2.90	3.03	3.32	2.97	3.13	4.64	4.94	3.97	3.15
	89.6°F (32°C)	73.4°F (23°C)	TC	45.88	44.76	43.63	42.42	41.64	40.09	37.98	33.15	31.64	37.37	36.06	28.29	19.17
			SC	23.96	23.38	22.79	22.16	21.75	20.94	19.84	17.31	16.53	19.52	18.84	14.78	10.01
			Input	3.59	3.68	3.77	3.79	3.87	4.00	4.30	3.94	4.11	5.62	5.92	4.94	4.12
36K (208-230V)	69.8°F (21°C)	59°F (15°C)	TC	34.73	33.79	32.85	31.66	31.22	25.11	29.92	28.89	28.36	29.08	23.61	19.48	7.62
			SC	23.26	22.63	22.01	21.00	20.74	17.58	20.03	19.48	19.16	19.48	16.68	14.65	7.35
			Input	1.23	1.34	1.45	1.31	1.38	1.69	1.97	2.48	2.95	4.20	3.15	2.83	1.49
	75.2°F (24°C)	62.6°F (17°C)	TC	37.72	36.79	35.85	34.66	34.22	28.11	32.91	31.89	31.36	32.07	26.61	22.48	10.62
			SC	24.67	24.05	23.44	22.66	22.38	18.38	21.52	20.85	20.50	20.97	17.40	14.70	6.94
			Input	1.38	1.49	1.61	1.46	1.53	1.84	2.13	2.63	3.10	4.35	3.30	2.98	1.65
	80.6°F (27°C)	66.2°F (19°C)	TC	40.77	39.83	38.90	37.70	37.27	31.16	35.96	34.94	34.41	35.12	29.66	25.52	13.67
			SC	25.89	25.29	24.70	23.94	23.66	19.78	22.83	22.18	21.85	22.30	18.83	16.21	8.68
			Input	1.52	1.64	1.75	1.60	1.68	1.99	2.27	2.78	3.25	4.49	3.44	3.13	1.79
	89.6°F (32°C)	73.4°F (23°C)	TC	46.49	45.55	44.62	43.42	42.99	36.88	41.68	40.66	40.13	40.84	35.38	31.24	19.39
			SC	26.58	26.05	25.51	24.83	24.58	21.09	23.83	23.25	22.94	23.35	20.23	17.87	11.09
			Input	1.80	1.91	2.02	1.88	1.95	2.26	2.54	3.05	3.52	4.77	3.72	3.40	2.06

LEGEND

DB - Dry Bulb
WB - Wet Bulb
TC - Total Net Capacity (1000 Btu/hour)
SC - Sensible Capacity (1000 Btu/hour)
Input - Total Power (kW)

NOTE: Values in grey are extrapolated based on tested performance.

HEATING PERFORMANCE - HIGH WALL

HIGH WALL (Sheet 1 of 2)

MODEL	HEATING		OUTDOOR CONDITIONS (DB)											
	Indoor Conditions DB		-22°F (-30°C)	-13°F (-25°C)	-4°F (-20°C)	0°F (-17°C)	5°F (-15°C)	17°F (-8°C)	19.4°F (-7°C)	24.8°F (-4°C)	32°F (0°C)	39.2°F (4°C)	44.6°F (7°C)	53.6°F (12°C)
12K (115V)	59°F (15°C)	TC	3.46	4.48	5.65	6.48	6.98	9.23	9.60	10.32	12.25	13.45	13.28	13.57
		Input	0.66	0.72	0.78	0.81	0.84	0.94	0.96	0.98	1.11	1.19	1.08	1.06
		COP	1.53	1.82	2.11	2.35	2.45	2.89	2.94	3.10	3.25	3.30	3.59	3.75
	64.4°F (18°C)	TC	3.36	4.38	5.56	6.38	6.89	9.14	9.51	10.22	12.16	13.36	13.19	13.47
		Input	0.73	0.79	0.85	0.87	0.90	1.00	1.02	1.04	1.17	1.26	1.15	1.13
		COP	1.35	1.63	1.92	2.14	2.24	2.67	2.73	2.88	3.04	3.11	3.36	3.51
	69°F (20.5°C)	TC	3.28	4.30	5.48	6.30	6.81	9.06	9.43	10.14	12.08	13.28	13.11	13.39
		Input	0.66	0.72	0.78	0.81	0.84	0.94	0.96	0.98	1.11	1.19	1.08	1.06
		COP	1.53	1.82	2.11	2.35	2.45	2.89	2.94	3.10	3.25	3.30	3.59	3.75
	71.6°F (22°C)	TC	3.26	4.28	5.46	6.28	6.79	9.04	9.41	10.12	12.06	13.26	13.09	13.37
		Input	0.82	0.88	0.94	0.96	0.99	1.09	1.11	1.13	1.26	1.35	1.24	1.21
		COP	1.17	1.43	1.71	1.91	2.01	2.43	2.48	2.63	2.80	2.88	3.10	3.23
6K (208-230V)	59°F (15°C)	TC	4.24	5.47	7.12	8.05	8.19	10.71	10.98	11.79	11.67	12.57	12.46	13.40
		Input	0.77	0.84	0.95	1.01	0.98	1.11	1.14	1.18	1.05	1.09	1.02	1.04
		COP	1.61	1.91	2.20	2.33	2.45	2.82	2.83	2.93	3.25	3.39	3.57	3.77
	64.4°F (18°C)	TC	4.26	5.49	7.14	8.07	8.21	10.73	11.00	11.81	11.69	12.59	12.48	13.41
		Input	0.78	0.84	0.95	1.01	0.98	1.11	1.14	1.18	1.06	1.09	1.02	1.04
		COP	1.61	1.91	2.20	2.33	2.45	2.82	2.83	2.93	3.25	3.39	3.57	3.77
	69°F (20.5°C)	TC	4.28	5.51	7.15	8.08	8.22	10.75	11.02	11.82	11.71	12.60	12.49	13.43
		Input	0.78	0.84	0.95	1.01	0.98	1.12	1.14	1.18	1.06	1.09	1.03	1.04
		COP	1.61	1.91	2.21	2.34	2.45	2.82	2.83	2.93	3.25	3.39	3.57	3.77
	71.6°F (22°C)	TC	4.28	5.52	7.16	8.09	8.23	10.76	11.03	11.83	11.72	12.61	12.50	13.44
		Input	0.78	0.84	0.95	1.01	0.98	1.12	1.14	1.18	1.06	1.09	1.03	1.04
		COP	1.61	1.92	2.21	2.34	2.45	2.82	2.83	2.93	3.25	3.39	3.57	3.77
9K (208-230V)	59°F (15°C)	TC	5.58	7.48	9.57	10.94	11.85	14.20	14.69	14.87	15.40	18.62	15.32	14.72
		Input	1.28	1.39	1.44	1.49	1.53	1.69	1.74	1.78	1.81	2.04	1.35	1.14
		COP	1.28	1.58	1.94	2.15	2.27	2.46	2.48	2.44	2.50	2.67	3.31	3.78
	64.4°F (18°C)	TC	5.62	7.51	9.61	10.97	11.88	14.23	14.73	14.90	15.43	18.65	15.35	14.75
		Input	1.28	1.39	1.44	1.49	1.53	1.69	1.73	1.78	1.80	2.04	1.35	1.14
		COP	1.29	1.59	1.95	2.16	2.28	2.47	2.49	2.45	2.51	2.68	3.32	3.80
	69°F (20.5°C)	TC	5.64	7.54	9.64	11.00	11.91	14.26	14.75	14.93	15.46	18.68	15.38	14.78
		Input	1.28	1.39	1.44	1.49	1.53	1.69	1.73	1.78	1.80	2.04	1.35	1.14
		COP	1.30	1.59	1.96	2.17	2.29	2.47	2.49	2.46	2.51	2.68	3.33	3.81
	71.6°F (22°C)	TC	5.66	7.55	9.65	11.01	11.92	14.27	14.77	14.95	15.48	18.69	15.40	14.80
		Input	1.27	1.39	1.44	1.49	1.53	1.69	1.73	1.78	1.80	2.04	1.35	1.14
		COP	1.30	1.60	1.96	2.17	2.29	2.48	2.50	2.46	2.51	2.68	3.33	3.81
12K (208-230V)	59°F (15°C)	TC	6.58	8.18	10.15	11.59	12.16	13.77	14.16	14.98	16.54	16.71	14.12	14.36
		Input	1.41	1.54	1.65	1.73	1.76	1.64	1.69	1.77	1.84	1.89	1.35	1.11
		COP	1.37	1.55	1.81	1.97	2.03	2.46	2.46	2.48	2.64	2.59	3.06	3.79
	64.4°F (18°C)	TC	6.66	8.26	10.23	11.68	12.24	13.85	14.24	15.43	16.62	16.79	14.20	14.44
		Input	1.41	1.55	1.65	1.74	1.77	1.65	1.69	1.77	1.85	1.90	1.36	1.12
		COP	1.38	1.56	1.81	1.97	2.03	2.47	2.47	2.55	2.64	2.59	3.07	3.79
	69°F (20.5°C)	TC	6.73	8.33	10.30	11.74	12.31	13.92	14.31	15.50	16.69	16.86	14.27	14.51
		Input	1.42	1.55	1.66	1.74	1.77	1.65	1.70	1.78	1.85	1.91	1.36	1.12
		COP	1.39	1.57	1.82	1.98	2.04	2.47	2.47	2.55	2.64	2.59	3.07	3.79
	71.6°F (22°C)	TC	6.77	8.36	10.34	11.78	12.35	13.96	14.35	15.54	16.73	16.90	14.30	14.55
		Input	1.42	1.56	1.66	1.74	1.78	1.65	1.70	1.78	1.86	1.91	1.37	1.13
		COP	1.39	1.57	1.82	1.98	2.04	2.47	2.47	2.55	2.64	2.60	3.07	3.79
18K (208-230V)	59°F (15°C)	TC	11.34	13.58	15.44	16.62	17.80	18.01	23.46	24.84	23.15	21.30	21.96	22.42
		Input	1.92	2.24	2.49	2.74	2.60	2.49	3.34	3.21	2.73	1.95	1.93	1.79
		COP	1.73	1.77	1.82	1.78	2.04	2.08	2.06	2.27	2.49	3.21	3.34	3.68
	64.4°F (18°C)	TC	10.79	13.03	14.88	16.07	17.25	17.08	22.90	24.29	22.60	20.75	21.40	21.87
		Input	1.94	2.26	2.51	2.76	2.61	2.51	3.36	3.23	2.75	1.97	1.95	1.80
		COP	1.63	1.69	1.74	1.71	1.93	2.00	2.00	2.20	2.41	3.09	3.22	3.55
	69°F (20.5°C)	TC	10.19	12.56	14.41	15.60	16.78	16.61	22.43	23.82	22.13	20.28	20.93	21.40
		Input	1.95	2.30	2.54	2.79	2.64	2.52	3.34	3.21	2.73	1.95	1.93	1.79
		COP	1.53	1.60	1.66	1.64	1.86	1.92	2.06	2.27	2.49	3.21	3.34	3.68
	71.6°F (22°C)	TC	9.59	11.84	13.69	14.87	16.06	15.89	21.71	23.10	21.40	19.56	20.21	20.67
		Input	1.97	2.29	2.53	2.78	2.64	2.53	3.39	3.25	2.77	1.99	1.97	1.83
		COP	1.43	1.52	1.58	1.57	1.78	1.84	1.88	2.08	2.26	2.88	3.01	3.31

HIGH WALL (Sheet 2 of 2)

MODEL	HEATING		OUTDOOR CONDITIONS (DB)											
	Indoor Conditions DB		-22°F (-30°C)	-13°F (-25°C)	-4°F (-20°C)	0°F (-17°C)	5°F (-15°C)	17°F (-8°C)	19.4°F (-7°C)	24.8°F (-4°C)	32°F (0°C)	39.2°F (4°C)	44.6°F (7°C)	53.6°F (12°C)
24K (208-230V)	59°F (15°C)	TC	14.33	18.95	23.61	23.38	25.50	28.25	28.63	29.69	32.33	30.80	29.47	28.35
		Input	2.91	3.17	3.45	3.28	3.59	3.46	3.43	3.66	3.79	3.67	2.63	2.22
		COP	1.44	1.75	2.01	2.09	2.08	2.39	2.45	2.38	2.50	2.46	3.28	3.74
	64.4°F (18°C)	TC	14.33	18.94	23.61	23.38	25.50	28.25	28.62	29.69	32.33	30.79	29.47	28.35
		Input	2.91	3.16	3.45	3.27	3.59	3.46	3.43	3.66	3.79	3.66	2.63	2.22
		COP	1.44	1.75	2.01	2.09	2.08	2.39	2.45	2.38	2.50	2.46	3.28	3.74
	69°F (20.5°C)	TC	14.33	18.94	23.60	23.38	25.50	28.24	28.62	29.69	32.33	30.79	29.47	28.35
		Input	2.91	3.16	3.45	3.27	3.59	3.46	3.43	3.66	3.79	3.66	2.63	2.22
		COP	1.44	1.75	2.01	2.09	2.08	2.39	2.45	2.38	2.50	2.46	3.28	3.75
	71.6°F (22°C)	TC	14.33	18.94	23.60	23.37	25.50	28.24	28.62	29.69	32.33	30.79	29.47	28.35
		Input	2.91	3.16	3.44	3.27	3.59	3.46	3.43	3.66	3.79	3.66	2.63	2.22
		COP	1.44	1.75	2.01	2.09	2.08	2.39	2.45	2.38	2.50	2.46	3.28	3.75
30K (208-230V)	59°F (15°C)	TC	10.11	11.75	14.88	16.44	18.29	22.97	24.15	25.02	28.42	31.70	31.47	32.68
		Input	2.27	2.50	2.53	2.61	2.81	2.89	2.96	3.13	3.32	3.56	3.41	3.18
		COP	1.30	1.38	1.72	1.85	1.91	2.33	2.40	2.34	2.51	2.61	2.70	3.01
	64.4°F (18°C)	TC	10.30	11.93	15.07	16.63	18.48	23.16	24.34	25.21	28.61	31.89	31.66	32.87
		Input	2.29	2.51	2.54	2.62	2.82	2.90	2.97	3.14	3.34	3.57	3.43	3.19
		COP	1.32	1.39	1.74	1.86	1.92	2.34	2.40	2.35	2.51	2.62	2.71	3.02
	69°F (20.5°C)	TC	10.46	12.09	15.23	16.79	18.64	23.32	24.50	25.37	28.77	32.05	31.82	33.03
		Input	2.30	2.52	2.55	2.64	2.84	2.91	2.98	3.15	3.35	3.58	3.44	3.21
		COP	1.33	1.41	1.75	1.87	1.93	2.35	2.41	2.36	2.52	2.62	2.71	3.02
	71.6°F (22°C)	TC	10.55	12.18	15.32	16.88	18.73	23.41	24.59	25.46	28.86	32.14	31.91	33.12
		Input	2.30	2.53	2.56	2.64	2.84	2.92	2.99	3.16	3.36	3.59	3.44	3.21
		COP	1.34	1.41	1.75	1.87	1.93	2.35	2.41	2.36	2.52	2.62	2.72	3.02
36K (208-230V)	59°F (15°C)	TC	13.15	15.06	18.36	21.14	23.41	23.64	24.90	26.17	27.86	32.56	29.75	32.76
		Input	2.86	3.08	3.29	3.47	3.61	3.57	3.64	3.70	3.73	4.14	3.81	3.48
		COP	1.35	1.44	1.64	1.79	1.90	1.94	2.01	2.07	2.19	2.31	2.29	2.76
	64.4°F (18°C)	TC	13.64	15.56	18.85	21.64	23.91	24.14	25.40	26.67	28.35	33.06	30.25	33.25
		Input	1.69	1.78	1.98	2.13	2.24	2.28	2.35	4.04	4.07	4.48	4.16	3.82
		COP	2.37	2.55	2.78	2.97	3.12	3.10	3.17	1.93	2.04	2.16	2.13	2.55
	69°F (20.5°C)	TC	13.64	15.98	19.28	22.06	24.34	24.56	25.83	27.09	28.78	33.48	30.67	33.68
		Input	1.35	1.44	1.64	1.79	1.90	1.94	2.01	3.70	3.73	4.14	3.81	3.48
		COP	2.86	3.08	3.29	3.47	3.61	3.57	3.64	2.07	2.19	2.31	2.29	2.76
	71.6°F (22°C)	TC	15.80	17.71	21.01	23.79	26.07	26.30	27.56	28.83	30.51	35.22	32.41	35.41
		Input	3.67	3.88	4.09	4.27	4.41	4.37	2.81	4.50	4.53	4.94	4.62	4.28
		COP	1.26	1.34	1.50	1.63	1.73	1.76	2.87	1.88	1.97	2.09	2.06	2.42

LEGEND

DB - Dry Bulb
TC - Total Net Capacity (1000 Btu/hour)
Input - Total Power (kW)
COP - W/W

COOLING PERFORMANCE - CASSETTE

MODEL	COOLING INDOOR CONDITIONS DB	WB	OUTDOOR CONDITIONS (DB)													
				(-22°F) (-25°C)	-13°F (-25°C)	-4°F (-20°C)	0°F (-17°C)	5°F (-15°C)	17°F (-8°C)	47°F (8°C)	77°F (25°C)	86°F (30°C)	95°F (35°C)	104°F (40°C)	113°F (45°C)	122°F (50°C)
9K	69.8°F (21°C)	59F° (15°C)	TC	7.61	7.71	7.81	7.91	6.60	6.39	9.78	10.52	10.84	11.03	9.63	8.41	4.89
			SC	5.44	5.51	5.58	6.14	5.27	5.08	7.10	7.62	7.79	7.88	7.20	6.58	4.89
			Input	0.01	0.07	0.13	0.17	0.14	0.14	0.46	0.72	0.90	0.92	1.07	1.05	0.37
	75.2°F (24°C)	62.6°F (17°C)	TC	7.69	7.79	7.89	7.98	6.68	6.47	9.86	10.60	10.92	11.11	9.71	8.49	4.97
			SC	5.75	5.83	5.90	5.97	5.00	4.84	7.38	7.93	8.17	8.31	7.26	6.35	3.72
			Input	0.14	0.20	0.26	0.30	0.26	0.27	0.58	0.85	1.03	1.05	1.20	1.18	0.50
	80.6°F (27°C)	66.2°F (19°C)	TC	8.31	8.41	8.51	8.61	7.31	7.09	10.49	11.22	11.54	11.73	10.33	9.11	5.59
			SC	6.23	6.30	6.38	6.45	5.47	5.31	7.86	8.41	8.65	8.79	7.74	6.83	4.19
			Input	0.22	0.28	0.34	0.38	0.35	0.35	0.67	0.93	1.11	1.13	1.28	1.26	0.58
	89.6°F (32°C)	73.4°F (23°C)	TC	9.77	9.87	9.97	10.06	8.76	8.54	11.94	12.68	13.00	13.19	11.79	10.56	7.05
			SC	6.84	6.91	6.98	7.05	6.14	5.99	8.37	8.88	9.11	9.24	8.26	7.40	4.94
			Input	0.40	0.45	0.51	0.55	0.52	0.53	0.84	1.11	1.29	1.30	1.46	1.43	0.76
12K	69.8°F (21°C)	59°F (15°C)	TC	13.83	13.58	13.33	11.49	12.42	13.16	12.03	12.24	13.53	13.45	11.16	9.27	4.84
			SC	9.83	9.65	9.47	8.42	9.12	9.43	8.88	8.98	9.58	9.55	8.42	7.59	4.84
			Input	0.36	0.40	0.45	0.39	0.54	0.57	0.62	0.73	1.06	1.26	1.15	1.12	0.70
	75.2°F (24°C)	62.6°F (17°C)	TC	15.08	14.83	14.58	12.73	13.66	14.40	13.27	13.48	14.77	14.69	12.41	10.52	6.09
			SC	10.64	10.47	10.29	8.99	9.64	10.17	9.37	9.52	10.43	10.37	8.76	7.42	4.30
			Input	0.37	0.41	0.46	0.40	0.55	0.58	0.63	0.73	1.07	1.27	1.16	1.12	0.71
	80.6°F (27°C)	66.2°F (19°C)	TC	16.28	16.03	15.78	13.94	14.87	15.61	14.48	14.69	15.97	15.90	13.61	11.72	7.29
			SC	11.23	11.06	10.89	9.62	10.26	10.77	9.99	10.13	11.02	10.97	9.39	8.09	5.03
			Input	0.38	0.43	0.47	0.42	0.56	0.59	0.64	0.75	1.08	1.29	1.18	1.14	0.73
	89.6°F (32°C)	73.4°F (23°C)	TC	18.61	18.36	18.11	16.27	17.20	17.94	16.81	17.02	18.30	18.23	15.94	14.05	9.62
			SC	12.90	12.73	12.55	11.28	11.92	12.43	11.65	11.80	12.69	12.63	11.05	9.74	6.67
			Input	0.41	0.45	0.50	0.44	0.59	0.62	0.67	0.78	1.11	1.31	1.20	1.17	0.75
18K	69.8°F (21°C)	59°F (15°C)	TC	18.20	17.71	17.21	15.56	15.71	16.44	14.63	14.92	14.78	14.36	11.25	9.23	6.66
			SC	13.65	13.28	12.91	11.23	11.45	11.80	10.73	10.84	10.79	10.77	9.42	8.65	6.65
			Input	0.50	0.56	0.62	0.68	0.70	0.63	0.84	1.36	1.32	1.55	1.33	1.32	1.23
	75.2°F (24°C)	62.6°F (17°C)	TC	19.82	19.33	18.84	17.18	17.33	18.06	16.25	16.54	16.40	15.98	12.87	10.85	8.28
			SC	14.85	14.48	14.11	12.88	12.98	13.53	12.18	12.39	12.29	11.97	9.64	8.13	6.21
			Input	0.55	0.61	0.67	0.73	0.74	0.68	0.89	1.40	1.37	1.60	1.38	1.36	1.28
	80.6°F (27°C)	66.2°F (19°C)	TC	21.39	20.90	20.41	18.75	18.90	19.63	17.82	18.11	17.97	17.55	14.44	12.42	9.85
			SC	15.72	15.36	15.00	13.79	13.89	14.43	13.10	13.31	13.21	12.90	10.61	9.13	7.24
			Input	0.60	0.66	0.72	0.77	0.79	0.72	0.93	1.45	1.41	1.64	1.42	1.41	1.32
	89.6°F (32°C)	73.4°F (23°C)	TC	24.33	23.84	23.34	21.69	21.83	22.57	20.76	21.05	20.91	20.49	17.38	15.36	12.79
			SC	16.11	15.78	15.46	14.36	14.46	14.94	13.75	13.94	13.85	13.57	11.51	10.17	8.47
			Input	0.67	0.73	0.79	0.85	0.87	0.80	1.01	1.53	1.49	1.72	1.50	1.49	1.40
24K	69.8°F (21°C)	59°F (15°C)	TC	23.15	23.07	22.99	22.21	21.68	21.47	23.77	26.21	24.98	23.18	21.89	19.58	18.65
			SC	16.32	16.26	16.21	15.94	15.34	15.32	16.69	17.91	17.27	16.34	15.74	14.41	14.17
			Input	1.88	1.90	1.92	2.06	2.05	2.06	1.89	1.66	1.74	2.03	2.21	2.31	2.54
	75.2°F (24°C)	62.6°F (17°C)	TC	21.04	20.96	20.88	20.10	19.57	19.36	21.66	24.10	22.87	21.07	19.78	17.47	16.54
			SC	15.87	15.81	15.75	15.16	14.76	14.61	16.34	18.18	17.25	15.90	14.92	13.18	12.48
			Input	2.27	2.29	2.31	2.45	2.44	2.45	2.28	2.05	2.12	2.41	2.59	2.70	2.93
	80.6°F (27°C)	66.2°F (19°C)	TC	21.23	21.14	21.06	20.28	19.75	19.54	21.84	24.28	23.05	21.26	19.96	17.65	16.72
			SC	16.20	16.14	16.07	15.48	15.07	14.91	16.67	18.53	17.59	16.22	15.23	13.47	12.76
			Input	2.47	2.48	2.50	2.64	2.63	2.64	2.47	2.25	2.32	2.61	2.79	2.89	3.12
	89.6°F (32°C)	73.4°F (23°C)	TC	22.04	21.96	21.88	21.10	20.56	20.36	22.66	25.10	23.87	22.07	20.78	18.46	17.54
			SC	16.04	15.98	15.92	15.35	14.97	14.82	16.49	18.27	17.37	16.06	15.12	13.44	12.76

LEGEND

DB - Dry Bulb
WB - Wet Bulb
TC - Total Net Capacity (1000 Btu/hour)
SC - Sensible Capacity (1000 Btu/hour)
Input - Total Power (kW)

NOTE: Values in grey are extrapolated based on tested performance.

HEATING PERFORMANCE - CASSETTE

MODEL	HEATING		OUTDOOR CONDITIONS (DB)											
	Indoor Conditions DB		-22°F (-30°C)	-13°F (-25°C)	-4°F (-20°C)	0°F (-17°C)	5°F (-15°C)	17°F (-8°C)	19.4°F (-7°C)	24.8°F (-4°C)	32°F (0°C)	39.2°F (4°C)	44.6°F (7°C)	53.6°F (12°C)
9K	59°F (15°C)	TC	5.23	7.65	9.31	10.43	11.52	13.72	14.05	13.97	15.75	18.01	15.06	14.69
		Input	1.32	1.42	1.54	1.67	1.73	1.98	1.93	2.08	1.97	2.28	1.43	1.17
		COP	1.17	1.58	1.78	1.83	1.95	2.03	2.13	1.97	2.35	2.32	3.08	3.68
	64.4°F (18°C)	TC	5.22	7.64	9.30	10.42	11.51	13.71	14.04	13.96	15.74	18.00	15.05	14.68
		Input	1.35	1.45	1.57	1.70	1.76	2.01	1.96	2.11	2.00	2.31	1.47	1.20
		COP	1.13	1.54	1.74	1.80	1.91	2.00	2.10	1.94	2.31	2.29	3.01	3.58
	69°F (20.5°C)	TC	5.22	7.63	9.29	10.41	11.51	13.70	14.04	13.96	15.74	17.99	15.04	14.68
		Input	1.32	1.42	1.54	1.67	1.73	1.98	1.93	2.08	1.97	2.28	1.43	1.17
		COP	1.17	1.58	1.78	1.83	1.95	2.03	2.13	1.97	2.35	2.32	3.08	3.68
	71.6°F (22°C)	TC	4.25	6.66	8.32	9.44	10.53	12.73	13.07	12.99	14.77	17.02	14.07	13.70
		Input	1.39	1.50	1.61	1.74	1.81	2.06	2.01	2.15	2.04	2.35	1.51	1.25
		COP	0.89	1.30	1.51	1.59	1.71	1.81	1.91	1.77	2.12	2.12	2.73	3.22
12K	59°F (15°C)	TC	5.75	8.02	9.96	11.17	11.99	14.26	13.53	14.87	16.33	17.70	14.30	16.01
		Input	1.46	1.52	1.67	1.72	1.74	1.72	1.63	1.72	1.72	1.76	1.22	1.25
		COP	1.16	1.55	1.75	1.91	2.02	2.44	2.43	2.53	2.77	2.95	3.43	3.74
	64.4°F (18°C)	TC	5.81	8.08	10.02	11.23	12.05	14.32	13.58	14.93	16.39	17.76	14.36	16.07
		Input	1.46	1.52	1.67	1.72	1.74	1.72	1.63	1.72	1.72	1.76	1.22	1.25
		COP	1.17	1.56	1.76	1.92	2.03	2.45	2.44	2.54	2.78	2.96	3.44	3.75
	69°F (20.5°C)	TC	5.86	8.13	10.07	11.28	12.10	14.37	13.63	14.98	16.44	17.81	14.41	16.12
		Input	1.46	1.52	1.67	1.72	1.74	1.72	1.64	1.72	1.73	1.76	1.22	1.26
		COP	1.18	1.57	1.77	1.92	2.04	2.45	2.44	2.55	2.79	2.97	3.45	3.76
	71.6°F (22°C)	TC	5.89	8.16	10.10	11.31	12.13	14.40	13.66	15.01	16.46	17.84	14.44	16.15
		Input	1.46	1.52	1.67	1.72	1.74	1.72	1.64	1.72	1.73	1.76	1.22	1.26
		COP	1.18	1.58	1.77	1.93	2.05	2.46	2.45	2.55	2.80	2.97	3.46	3.77
18K	59°F (15°C)	TC	10.73	13.19	16.59	16.99	18.75	22.87	20.72	24.93	21.75	23.38	22.11	22.72
		Input	1.98	2.34	2.62	2.58	2.84	3.15	3.05	3.27	2.45	2.31	1.96	1.76
		COP	1.58	1.65	1.85	1.93	1.93	2.13	1.99	2.23	2.61	2.96	3.31	3.78
	64.4°F (18°C)	TC	10.16	12.62	16.03	16.43	18.18	22.30	20.15	24.36	21.19	22.82	21.54	22.15
		Input	1.97	2.32	2.61	2.56	2.82	3.13	3.03	3.25	2.43	2.30	1.94	1.79
		COP	1.51	1.60	1.80	1.88	1.89	2.09	1.95	2.19	2.56	2.91	3.25	3.62
	69°F (20.5°C)	TC	9.68	12.14	15.54	15.94	17.70	21.82	19.67	23.88	20.70	22.33	21.06	21.67
		Input	1.95	2.31	2.59	2.55	2.81	3.12	3.02	3.24	2.41	2.28	1.93	1.76
		COP	1.45	1.54	1.76	1.84	1.85	2.05	1.91	2.16	2.51	2.87	3.20	3.78
	71.6°F (22°C)	TC	9.41	11.87	15.27	15.67	17.42	21.54	19.39	23.61	20.43	22.06	20.79	21.46
		Input	1.95	2.30	2.58	2.54	2.80	3.11	3.01	3.23	2.41	2.27	1.92	1.84
		COP	1.42	1.51	1.73	1.81	1.82	2.03	1.89	2.14	2.49	2.84	3.18	3.42
24K	59°F (15°C)	TC	14.80	18.20	23.64	24.95	26.50	26.55	26.91	30.53	34.20	33.37	30.87	30.94
		Input	2.83	3.33	3.60	3.50	3.64	3.26	3.29	3.62	3.75	3.46	2.54	2.19
		COP	1.53	1.60	1.93	2.09	2.13	2.39	2.39	2.47	2.68	2.83	3.56	4.14
	64.4°F (18°C)	TC	14.89	18.30	23.74	25.04	26.59	26.64	27.00	30.62	34.29	33.47	30.96	31.04
		Input	2.90	3.40	3.67	3.57	3.71	3.33	3.37	3.69	3.82	3.53	2.61	2.26
		COP	1.51	1.58	1.90	2.05	2.10	2.34	2.35	2.43	2.63	2.78	3.48	4.02
	69°F (20.5°C)	TC	14.97	18.37	23.81	25.12	26.67	26.72	27.08	30.70	34.37	33.54	31.04	31.12
		Input	2.83	3.33	3.60	3.50	3.64	3.26	3.29	3.62	3.75	3.46	2.54	2.19
		COP	1.53	1.60	1.93	2.09	2.13	2.39	2.39	2.47	2.68	2.83	3.56	4.14
	71.6°F (22°C)	TC	11.94	15.34	20.78	22.09	23.63	23.69	24.05	27.66	31.33	30.51	28.01	28.08
		Input	2.99	3.49	3.76	3.67	3.80	3.43	3.46	3.79	3.91	3.63	2.71	2.36
		COP	1.17	1.29	1.62	1.76	1.82	2.03	2.04	2.14	2.35	2.47	3.03	3.49

LEGEND

DB - Dry Bulb
TC - Total Net Capacity (1000 Btu/hour)
Input - Total Power (kW)
COP - W/W

COOLING PERFORMANCE - DUCTED

MODEL	COOLING Indoor Conditions DB	COOLING Indoor Conditions WB		OUTDOOR CONDITIONS (DB)												
				-22°F (-30°C)	-13°F (-25°C)	-4°F (-20°C)	0°F (-17°C)	5°F (-15°C)	17°F (-8°C)	47°F (8°C)	77°F (25°C)	86°F (30°C)	95°F (35°C)	104°F (40°C)	113°F (45°C)	122°F (50°C)
09K	69.8°F (21°C)	59°F (15°C)	TC	9.94	9.84	9.73	9.25	9.24	7.96	10.57	10.10	9.59	10.32	9.25	8.02	4.73
			SC	6.68	6.61	6.54	6.36	6.36	5.72	7.05	6.81	6.59	6.93	6.37	5.75	4.39
			Input	0.08	0.14	0.20	0.23	0.22	0.28	0.59	0.72	0.79	1.10	1.09	1.06	0.69
	75.2°F (24°C)	62.6°F (17°C)	TC	10.23	10.13	10.02	9.54	9.53	8.25	10.86	10.39	9.88	10.61	9.54	8.31	5.02
			SC	7.00	6.92	6.85	6.52	6.52	5.64	7.42	7.11	6.75	7.25	6.52	5.68	3.43
			Input	0.01	0.07	0.13	0.15	0.15	0.20	0.52	0.65	0.72	1.03	1.01	0.98	0.61
	80.6°F (27°C)	66.2°F (19°C)	TC	10.93	10.82	10.72	10.23	10.22	8.95	11.55	11.09	10.57	11.30	10.24	9.00	5.71
			SC	7.35	7.28	7.21	6.88	6.88	6.02	7.77	7.46	7.11	7.61	6.89	6.06	3.84
			Input	0.00	0.06	0.12	0.15	0.14	0.20	0.51	0.64	0.71	1.03	1.01	0.98	0.61
	89.6°F (32°C)	73.4°F (23°C)	TC	12.49	12.38	12.28	11.79	11.78	10.51	13.11	12.65	12.13	12.86	11.80	10.56	7.27
			SC	7.64	7.58	7.51	7.22	7.21	6.43	8.02	7.74	7.42	7.87	7.22	6.46	4.45
			Input	0.03	0.09	0.15	0.18	0.17	0.23	0.54	0.67	0.74	1.06	1.04	1.01	0.64
12K	69.8°F (21°C)	59°F (15°C)	TC	11.90	11.76	11.62	10.53	10.14	12.21	10.60	11.41	12.60	12.55	10.74	9.24	5.40
			SC	8.25	8.16	8.06	7.70	7.59	8.54	7.78	8.08	8.69	8.70	7.84	7.17	5.40
			Input	0.32	0.37	0.42	0.40	0.47	0.58	0.50	0.75	1.07	1.26	1.14	1.10	0.71
	75.2°F (24°C)	62.6°F (17°C)	TC	12.85	12.71	12.57	11.48	11.09	13.16	11.55	12.36	13.55	13.49	11.69	10.19	6.35
			SC	8.77	8.67	8.58	7.83	7.57	8.98	7.88	8.43	9.24	9.21	7.98	6.95	4.33
			Input	0.32	0.37	0.42	0.40	0.48	0.59	0.51	0.75	1.07	1.27	1.15	1.11	0.71
	80.6°F (27°C)	66.2°F (19°C)	TC	13.82	13.68	13.54	12.45	12.07	14.14	12.52	13.33	14.52	14.47	12.67	11.16	7.32
			SC	9.22	9.13	9.03	8.30	8.05	9.43	8.35	8.89	9.68	9.65	8.45	7.44	4.88
			Input	0.34	0.38	0.43	0.42	0.49	0.60	0.52	0.76	1.08	1.28	1.16	1.12	0.72
	89.6°F (32°C)	73.4°F (23°C)	TC	15.67	15.53	15.40	14.30	13.92	15.99	14.37	15.18	16.37	16.32	14.52	13.01	9.17
			SC	10.50	10.40	10.31	9.58	9.32	10.71	9.62	10.17	10.96	10.93	9.72	8.71	6.14
			Input	0.36	0.41	0.45	0.44	0.51	0.62	0.54	0.78	1.10	1.30	1.18	1.14	0.75
18K	69.8°F (21°C)	59°F (15°C)	TC	19.53	19.00	18.47	16.70	16.85	17.64	15.70	16.01	15.87	15.41	12.07	9.91	7.15
			SC	14.65	14.25	13.86	12.05	12.29	12.67	11.52	11.63	11.58	11.56	10.11	9.29	7.14
			Input	0.53	0.60	0.66	0.72	0.73	0.66	0.89	1.43	1.40	1.63	1.40	1.39	1.30
	75.2°F (24°C)	62.6°F (17°C)	TC	21.27	20.74	20.21	18.44	18.59	19.38	17.44	17.75	17.60	17.15	13.81	11.65	8.89
			SC	15.94	15.54	15.15	13.82	13.93	14.52	13.07	13.30	13.19	12.85	10.35	8.73	6.66
			Input	0.58	0.65	0.71	0.77	0.79	0.71	0.94	1.48	1.45	1.69	1.45	1.44	1.35
	80.6°F (27°C)	66.2°F (19°C)	TC	22.95	22.43	21.90	20.12	20.28	21.07	19.13	19.43	19.29	18.83	15.50	13.33	10.57
			SC	16.88	16.49	16.10	14.79	14.91	15.49	14.06	14.29	14.18	13.85	11.39	9.80	7.77
			Input	0.63	0.69	0.76	0.82	0.83	0.76	0.99	1.53	1.49	1.73	1.50	1.49	1.40
	89.6°F (32°C)	73.4°F (23°C)	TC	26.11	25.58	25.05	23.28	23.43	24.22	22.28	22.59	22.44	21.99	18.65	16.49	13.73
			SC	17.29	16.94	16.59	15.41	15.51	16.04	14.75	14.96	14.86	14.56	12.35	10.92	9.09
			Input	0.71	0.78	0.84	0.90	0.91	0.84	1.07	1.61	1.58	1.81	1.58	1.57	1.48
24K	69.8°F (21°C)	59°F (15°C)	TC	31.53	30.71	29.88	24.57	27.20	29.99	28.58	26.53	25.04	22.40	21.34	18.05	10.69
			SC	26.32	25.63	24.94	18.24	17.55	17.53	19.09	20.49	19.76	18.70	18.01	16.49	16.21
			Input	1.96	1.97	1.99	2.14	2.13	2.14	1.96	1.73	1.80	2.10	2.29	2.40	2.64
	75.2°F (24°C)	62.6°F (17°C)	TC	34.44	33.62	32.80	27.48	30.11	32.90	31.50	29.44	27.96	25.31	24.25	20.97	13.61
			SC	25.23	24.62	24.02	20.13	22.06	24.10	23.07	21.56	20.48	18.54	17.76	15.36	9.97
			Input	2.36	2.37	2.39	2.54	2.53	2.54	2.36	2.13	2.20	2.50	2.69	2.80	3.04
	80.6°F (27°C)	66.2°F (19°C)	TC	37.22	36.40	35.58	30.26	32.90	35.68	34.28	32.22	30.74	28.10	27.03	23.75	16.39
			SC	25.17	24.61	24.05	20.46	22.24	24.12	23.17	21.78	20.78	18.99	18.28	16.06	11.08
			Input	2.56	2.58	2.59	2.74	2.73	2.74	2.56	2.33	2.40	2.71	2.89	3.00	3.24
	89.6°F (32°C)	73.4°F (23°C)	TC	42.44	41.62	40.80	35.48	38.11	40.90	39.49	37.44	35.95	33.31	32.25	28.96	21.60
			SC	28.85	28.29	27.73	24.12	25.91	27.80	26.84	25.45	24.44	22.64	21.92	19.69	14.68
			Input	2.90	2.92	2.94	3.08	3.08	3.08	2.91	2.68	2.75	3.05	3.24	3.34	3.59

LEGEND

DB - Dry Bulb
WB - Wet Bulb
TC - Total Net Capacity (1000 Btu/hour)
SC - Sensible Capacity (1000 Btu/hour)
Input - Total Power (kW)

NOTE: Values in grey are extrapolated based on tested performance.

HEATING PERFORMANCE - DUCTED

MODEL	HEATING Indoor Conditions DB		OUTDOOR CONDITIONS (DB)											
			-22°F (-30°C)	-13°F (-25°C)	-4°F (-20°C)	0°F (-17°C)	5°F (-15°C)	17°F (-8°C)	19.4°F (-7°C)	24.8°F (-4°C)	32°F (0°C)	39.2°F (4°C)	44.6°F (7°C)	53.6°F (12°C)
09K	59°F (15°C)	TC	5.43	7.05	9.61	10.86	10.83	13.82	14.18	14.73	16.31	18.97	16.04	15.47
		Input	1.39	1.45	1.43	1.51	1.51	1.70	1.73	1.77	1.81	2.08	1.36	1.13
		COP	1.15	1.42	1.97	2.11	2.10	2.37	2.39	2.43	2.63	2.67	3.47	4.02
	64.4°F (18°C)	TC	5.47	7.08	9.64	10.90	10.87	13.85	14.21	14.76	16.34	19.00	16.07	15.51
		Input	1.42	1.49	1.46	1.54	1.55	1.74	1.77	1.80	1.85	2.11	1.39	1.16
		COP	1.13	1.40	1.93	2.07	2.06	2.34	2.36	2.40	2.59	2.63	3.39	3.91
	69°F (20.5°C)	TC	5.50	7.11	9.67	10.93	10.90	13.88	14.24	14.79	16.37	19.03	16.10	15.53
		Input	1.39	1.45	1.43	1.51	1.51	1.70	1.73	1.77	1.81	2.08	1.36	1.13
		COP	1.15	1.42	1.97	2.11	2.10	2.37	2.39	2.43	2.63	2.67	3.47	4.02
	71.6°F (22°C)	TC	4.25	5.86	8.42	9.67	9.65	12.63	12.99	13.54	15.12	17.78	14.85	14.28
		Input	1.47	1.53	1.51	1.59	1.59	1.78	1.81	1.85	1.89	2.16	1.44	1.21
		COP	0.85	1.12	1.63	1.78	1.78	2.08	2.10	2.14	2.34	2.41	3.03	3.47
12K	59°F (15°C)	TC	6.24	7.85	10.63	11.81	12.65	13.82	14.25	14.66	15.36	18.19	15.55	15.48
		Input	1.40	1.55	1.70	1.74	1.79	1.64	1.67	1.69	1.65	2.00	1.35	1.12
		COP	1.31	1.48	1.83	1.99	2.07	2.47	2.50	2.55	2.73	2.67	3.38	4.04
	64.4°F (18°C)	TC	6.25	7.86	10.64	11.82	12.66	13.83	14.26	14.68	15.38	18.20	15.56	15.49
		Input	1.40	1.55	1.70	1.74	1.79	1.64	1.67	1.69	1.65	2.00	1.35	1.13
		COP	1.31	1.48	1.83	1.99	2.07	2.47	2.50	2.55	2.73	2.67	3.38	4.04
	69°F (20.5°C)	TC	6.26	7.87	10.65	11.83	12.67	13.84	14.27	14.69	15.38	18.21	15.57	15.50
		Input	1.40	1.55	1.70	1.74	1.79	1.64	1.67	1.69	1.65	2.00	1.35	1.13
		COP	1.31	1.48	1.83	2.00	2.07	2.47	2.50	2.55	2.73	2.67	3.38	4.03
	71.6°F (22°C)	TC	6.27	7.87	10.65	11.83	12.68	13.85	14.27	14.69	15.39	18.21	15.57	15.51
		Input	1.40	1.55	1.70	1.74	1.79	1.64	1.67	1.69	1.65	2.00	1.35	1.13
		COP	1.31	1.49	1.83	2.00	2.07	2.47	2.50	2.55	2.73	2.67	3.38	4.03
18K	59°F (15°C)	TC	11.25	13.83	17.40	17.82	19.66	23.98	21.73	26.15	22.81	24.52	23.19	22.72
		Input	1.90	2.23	2.50	2.46	2.71	3.01	2.91	3.12	2.34	2.21	1.87	1.76
		COP	1.74	1.82	2.04	2.12	2.12	2.34	2.19	2.45	2.86	3.25	3.64	3.78
	64.4°F (18°C)	TC	10.66	13.24	16.81	17.23	19.07	23.39	21.13	25.55	22.22	23.93	22.59	22.13
		Input	1.88	2.22	2.49	2.45	2.70	2.99	2.89	3.11	2.32	2.19	1.85	1.79
		COP	1.66	1.75	1.98	2.06	2.07	2.29	2.14	2.41	2.81	3.20	3.57	3.62
	69°F (20.5°C)	TC	10.15	12.73	16.30	16.72	18.56	22.88	20.63	25.05	21.71	23.42	22.09	21.62
		Input	1.87	2.20	2.48	2.43	2.68	2.98	2.88	3.09	2.31	2.18	1.84	1.76
		COP	1.59	1.69	1.93	2.02	2.03	2.25	2.10	2.37	2.76	3.15	3.52	3.78
	71.6°F (22°C)	TC	9.87	12.45	16.01	16.43	18.27	22.59	20.34	24.76	21.43	23.14	21.80	21.40
		Input	1.86	2.19	2.47	2.42	2.68	2.97	2.87	3.09	2.30	2.17	1.83	1.83
		COP	1.56	1.66	1.90	1.99	2.00	2.23	2.08	2.35	2.73	3.12	3.49	3.42
24K	59°F (15°C)	TC	15.46	19.02	24.71	26.07	27.69	27.74	28.12	31.90	35.73	34.87	32.26	32.33
		Input	2.53	2.98	3.22	3.14	3.26	2.92	2.95	3.24	3.35	3.10	2.27	1.96
		COP	1.79	1.87	2.25	2.44	2.49	2.79	2.79	2.88	3.12	3.30	4.16	4.83
	64.4°F (18°C)	TC	15.56	19.12	24.80	26.17	27.78	27.84	28.22	31.99	35.83	34.97	32.36	32.43
		Input	2.53	2.98	3.22	3.14	3.26	2.92	2.95	3.25	3.36	3.10	2.28	1.96
		COP	1.80	1.88	2.25	2.44	2.50	2.79	2.80	2.89	3.13	3.30	4.17	4.84
	69°F (20.5°C)	TC	15.64	19.20	24.88	26.25	27.86	27.92	28.30	32.08	35.91	35.05	32.44	32.51
		Input	2.54	2.98	3.23	3.14	3.26	2.92	2.95	3.25	3.36	3.10	2.28	1.97
		COP	1.81	1.89	2.26	2.45	2.50	2.80	2.81	2.89	3.13	3.31	4.17	4.85
	71.6°F (22°C)	TC	15.69	19.25	24.93	26.30	27.91	27.97	28.34	32.12	35.96	35.10	32.48	32.56
		Input	2.54	2.98	3.23	3.14	3.26	2.92	2.96	3.25	3.36	3.11	2.28	1.97
		COP	1.81	1.89	2.26	2.45	2.51	2.80	2.81	2.90	3.14	3.31	4.18	4.85

LEGEND

DB - Dry Bulb
TC - Total Net Capacity (1000 Btu/hour)
Input - Total Power (kW)
COP - W/W

COOLING PERFORMANCE - DUCTED MIX-MATCH

MODEL	COOLING			OUTDOOR CONDITIONS (DB)												
	INDOOR CONDITIONS DB	WB		**(-22°F) (-25°C)**	**-13°F (-25°C)**	**-4°F (-20°C)**	**0°F (-17°C)**	**5°F (-15°C)**	**17°F (-8°C)**	**47°F (8°C)**	**77°F (25°C)**	**86°F (30°C**	**95°F (35°C)**	**104°F (40°C)**	**113°F (45°C)**	**122°F (50°C)**
18KODU-24KIDU (208-230V)	69.8°F (21°C)	59°F (15°C)	TC	20.53	20.19	19.86	18.90	18.73	18.92	17.51	18.86	17.41	19.64	17.86	13.45	10.79
			SC	17.70	17.41	17.12	16.54	16.48	4.87	15.91	16.58	15.92	16.93	16.10	13.45	10.79
			Input	0.69	0.76	0.84	0.97	1.00	0.99	1.14	1.21	1.34	1.93	2.10	1.81	1.79
	75.2°F (24°C)	62.6°F (17°C)	TC	22.66	22.32	21.98	21.02	20.86	21.04	19.63	20.98	19.54	21.77	19.98	15.57	12.91
			SC	19.11	18.83	18.54	17.73	17.60	17.75	16.56	17.70	16.48	18.36	16.86	13.14	10.89
			Input	0.76	0.84	0.91	1.04	1.07	1.06	1.21	1.28	1.41	2.00	2.17	1.89	1.87
	80.6°F (2°C)	66.2°F (19°C)	TC	24.46	24.13	23.79	22.83	22.67	22.85	21.44	22.79	21.34	23.57	21.79	17.38	14.72
			SC	20.38	20.10	19.81	19.01	18.88	19.03	17.86	18.98	17.78	19.63	18.15	14.47	12.26
			Input	0.83	0.90	0.98	1.11	1.13	1.13	1.28	1.34	1.48	2.06	2.23	1.95	1.93
	89.6°F (32°C)	73.4°F (23°C)	TC	27.80	27.46	27.12	26.16	26.00	26.18	24.77	26.12	24.68	26.91	25.12	20.71	18.05
			SC	21.28	21.02	20.76	20.02	19.90	20.04	18.96	20.00	18.89	20.59	19.23	15.85	13.82
			Input	0.95	1.02	1.10	1.23	1.25	1.25	1.40	1.46	1.60	2.18	2.35	2.07	2.05

HEATING PERFORMANCE - DUCTED MIX-MATCH

MODEL	HEATING		OUTDOOR CONDITIONS (DB)											
	INDOOR CONDITIONS DB		**-22°F (-30°C)**	**-13°F (-25°C)**	**-4°F (-20°C)**	**0°F (-17°C)**	**5°F (-15°C)**	**17°F (-8°C)**	**19.4°F (-7°C)**	**24.8°F (-4°C)**	**32°°F (0C)**	**39.2°F (4°C)**	**44.6°F (7°C)**	**53.6°F (12°C)**
18KODU-24KIDU(208-230V)	59°F (15°C)	TC	10.34	14.27	15.74	11.49	16.74	22.97	23.49	25.97	26.40	20.40	23.54	26.89
		Input	1.90	1.93	1.96	1.74	2.08	2.42	2.47	2.45	2.30	1.84	1.67	1.74
		COP	1.67	2.16	2.35	1.94	2.36	2.78	2.79	3.11	3.02	3.23	4.13	4.52
	64.4°F (18°C)	TC	10.48	14.42	15.89	11.63	16.89	23.12	23.64	26.11	26.54	20.55	23.69	27.04
		Input	1.97	2.01	2.04	1.82	2.16	2.50	2.55	2.53	2.38	1.92	1.75	1.82
		COP	1.56	2.10	2.28	1.88	2.30	2.71	2.72	3.03	3.27	3.13	3.97	4.35
	69°F (20.5°C)	TC	10.61	14.55	16.02	11.76	17.01	23.24	23.76	26.24	26.67	20.67	23.82	27.16
		Input	1.90	1.93	1.96	1.74	2.08	2.42	2.47	2.45	2.30	1.84	1.67	1.74
		COP	1.67	2.16	2.35	1.94	2.36	2.78	2.79	3.11	3.02	3.23	4.13	4.52
	71.6°F (22°C)	TC	10.35	14.29	15.76	11.50	16.76	22.99	23.51	25.98	26.41	20.42	23.56	26.91
		Input	2.08	2.12	2.14	1.92	2.26	2.60	2.65	2.63	2.48	2.03	1.86	1.93
		COP	1.46	1.98	2.15	1.75	2.17	2.59	2.60	2.89	3.12	2.95	3.72	4.09

COOLING PERFORMANCE - CONSOLE

MODEL	COOLING Indoor Conditions DB	WB		OUTDOOR CONDITIONS (DB) -22°F (-30°C)	-13°F (-25°C)	-4°F (-20°C)	0°F (-17°C)	5°F (-15°C)	17°F (-8°C)	47°F (8°C)	77°F (25°C)	86°F (30°C)	95°F (35°C)	104°F (40°C)	113°F (45°C)	122°F (50°C)
12K	69.8°F (21°C)	59°F (15°C)	TC	11.56	11.38	11.20	10.46	10.20	10.74	10.46	10.77	10.67	10.65	10.23	8.81	4.90
			SC	7.86	7.74	7.62	7.14	7.02	7.28	7.12	7.33	7.26	7.24	6.97	6.32	4.63
			Input	0.37	0.41	0.45	0.52	0.47	0.58	0.47	0.68	0.80	0.96	1.10	1.07	0.68
	75.2°F (24°C)	62.6°F (17°C)	TC	13.50	13.32	13.14	12.41	12.14	12.69	12.41	12.72	12.62	12.59	12.17	10.76	6.85
			SC	9.10	8.97	8.85	8.36	8.18	8.55	8.36	8.57	8.50	8.48	8.20	7.25	4.61
			Input	0.60	0.63	0.67	0.74	0.69	0.80	0.69	0.90	1.02	1.18	1.32	1.29	0.90
	80.6°F (27°C)	66.2°F (19°C)	TC	15.01	14.83	14.65	13.92	13.65	14.20	13.92	14.23	14.13	14.10	13.68	12.27	8.36
			SC	9.79	9.67	9.56	9.08	8.90	9.26	9.08	9.28	9.21	9.20	8.92	8.00	5.45
			Input	0.72	0.75	0.79	0.86	0.81	0.93	0.81	1.02	1.14	1.30	1.44	1.41	1.02
	89.6°F (32°C)	73.4°F (23°C)	TC	18.02	17.84	17.67	16.93	16.66	17.21	16.93	17.24	17.14	17.11	16.69	15.28	11.37
			SC	10.29	10.19	10.09	9.67	9.52	9.83	9.67	9.85	9.79	9.77	9.53	8.73	6.49
			Input	0.96	0.99	1.03	1.10	1.05	1.17	1.05	1.26	1.38	1.54	1.68	1.65	1.26
18K	69.8°F (21°C)	59°F (15°C)	TC	20.67	20.11	19.56	17.68	17.84	18.68	16.62	16.95	16.79	16.31	12.78	10.49	7.57
			SC	15.51	15.09	14.67	12.76	13.01	13.41	12.19	12.31	12.26	12.24	10.70	9.83	7.56
			Input	0.54	0.61	0.67	0.74	0.75	0.68	0.91	1.47	1.43	1.67	1.43	1.42	1.33
	75.2°F (24°C)	62.6°F (17°C)	TC	22.51	21.96	21.40	19.52	19.68	20.52	18.46	18.79	18.63	18.15	14.62	12.33	9.41
			SC	16.87	16.45	16.03	14.63	14.75	15.37	13.84	14.08	13.96	13.60	10.95	9.24	7.05
			Input	0.60	0.66	0.73	0.79	0.80	0.73	0.96	1.52	1.48	1.72	1.49	1.47	1.38
	80.6°F (27°C)	66.2°F (19°C)	TC	24.30	23.74	23.18	21.30	21.47	22.30	20.25	20.57	20.42	19.94	16.40	14.11	11.19
			SC	17.86	17.45	17.04	15.66	15.78	16.39	14.89	15.12	15.01	14.66	12.06	10.38	8.23
			Input	0.64	0.71	0.77	0.84	0.85	0.78	1.01	1.57	1.53	1.77	1.53	1.52	1.43
	89.6°F (32°C)	73.4°F (23°C)	TC	27.64	27.08	26.52	24.64	24.80	25.64	23.59	23.91	23.76	23.27	19.74	17.45	14.53
			SC	20.42	20.01	19.59	18.20	18.33	18.94	17.43	17.67	17.55	17.20	14.59	12.89	10.73
			Input	0.73	0.79	0.86	0.92	0.94	0.86	1.09	1.65	1.61	1.86	1.62	1.61	1.51
24K	69.8°F (21°C)	59°F (15°C)	TC	25.58	25.49	25.40	24.53	23.95	23.72	26.26	28.95	27.59	25.61	24.18	21.63	20.60
			SC	18.03	17.96	17.90	17.61	16.94	16.92	18.43	19.79	19.08	18.05	17.39	15.92	15.65
			Input	1.96	1.98	2.00	2.15	2.14	2.15	1.97	1.73	1.81	2.11	2.30	2.41	2.65
	75.2°F (24°C)	62.6°F (17°C)	TC	23.23	23.14	23.05	22.19	21.60	21.37	23.91	26.61	25.25	23.26	21.83	19.28	18.25
			SC	17.52	17.46	17.39	16.74	16.29	16.12	18.04	20.07	19.05	17.55	16.47	14.54	13.77
			Input	2.37	2.38	2.40	2.55	2.54	2.55	2.37	2.14	2.21	2.51	2.70	2.81	3.05
	80.6°F (27°C)	66.2°F (19°C)	TC	23.42	23.33	23.24	22.37	21.78	21.56	24.10	26.79	25.43	23.45	22.02	19.46	18.44
			SC	17.87	17.80	17.73	17.07	16.62	16.45	18.39	20.44	19.41	17.89	16.80	14.85	14.07
			Input	2.57	2.59	2.60	2.75	2.74	2.75	2.57	2.34	2.41	2.72	2.90	3.01	3.25
	89.6°F (32°C)	73.4°F (23°C)	TC	24.29	24.20	24.11	23.25	22.66	22.43	24.97	27.67	26.31	24.32	22.89	20.34	19.31
			SC	17.68	17.61	17.55	16.92	16.49	16.33	18.18	20.14	19.15	17.70	16.66	14.80	14.06
			Input	2.91	2.93	2.95	3.10	3.09	3.10	2.92	2.69	2.76	3.06	3.25	3.36	3.60

LEGEND

DB - Dry Bulb
WB - Wet Bulb
TC - Total Net Capacity (1000 Btu/hour)
SC - Sensible Capacity (1000 Btu/hour)
Input - Total Power (kW)

NOTE: Values in grey are extrapolated based on tested performance.

HEATING PERFORMANCE - CONSOLE

MODEL	HEATING Indoor Conditions DB		OUTDOOR CONDITIONS (DB)											
			-22°F (-30°C)	-13°F (-25°C)	-4°F (-20°C)	0°F (-17°C)	5°F (-15°C)	17°F (-8°C)	19.4°F (-7°C)	24.8°F (-4°C)	32°F (0°C)	39.2°F (4°C)	44.6°F (7°C)	53.6°F (12°C)
12K	59°F (15°C)	TC	5.70	6.00	10.42	11.53	12.30	13.48	13.93	14.55	15.90	11.91	14.27	14.66
		Input	1.44	1.39	1.69	1.75	1.80	1.60	1.69	1.69	1.69	1.48	1.27	1.07
		COP	1.16	1.27	1.81	1.94	2.01	2.46	2.42	2.53	2.76	2.36	3.30	4.03
	64.4°F (18°C)	TC	5.81	6.10	10.52	11.64	12.41	13.58	14.03	14.66	16.00	12.02	14.38	14.76
		Input	1.49	1.44	1.75	1.80	1.85	1.66	1.74	1.74	1.74	1.54	1.32	1.12
		COP	1.14	1.24	1.77	1.90	1.96	2.40	2.36	2.47	2.69	2.29	3.19	3.86
	69°F (20.5°C)	TC	5.90	6.19	10.61	11.72	12.49	13.67	14.12	14.74	16.09	12.11	14.46	14.85
		Input	1.44	1.39	1.69	1.75	1.80	1.60	1.69	1.69	1.69	1.48	1.27	1.07
		COP	1.16	1.27	1.81	1.94	2.01	2.46	2.42	2.53	2.76	2.36	3.30	4.03
	71.6°F (22°C)	TC	5.86	6.16	10.58	11.69	12.46	13.64	14.09	14.71	16.06	12.07	14.43	14.82
		Input	1.57	1.51	1.82	1.87	1.93	1.73	1.82	1.81	1.82	1.61	1.39	1.19
		COP	1.10	1.19	1.70	1.83	1.90	2.31	2.27	2.38	2.59	2.20	3.04	3.64
18K	59°F (15°C)	TC	10.99	13.51	17.00	17.41	19.20	23.42	21.22	25.54	22.28	23.95	22.65	23.28
		Input	1.90	2.23	2.50	2.46	2.71	3.01	2.91	3.12	2.33	2.21	1.87	1.68
		COP	1.70	1.78	1.99	2.07	2.07	2.28	2.14	2.40	2.80	3.18	3.55	4.06
	64.4°F (18°C)	TC	10.41	12.93	16.42	16.83	18.62	22.84	20.64	24.96	21.70	23.37	22.07	22.70
		Input	1.88	2.21	2.49	2.44	2.70	2.99	2.89	3.11	2.32	2.19	1.85	1.71
		COP	1.62	1.71	1.93	2.02	2.02	2.24	2.09	2.35	2.74	3.12	3.49	3.89
	69°F (20.5°C)	TC	9.92	12.44	15.92	16.33	18.13	22.35	20.15	24.46	21.21	22.88	21.57	22.20
		Input	1.87	2.20	2.47	2.43	2.68	2.98	2.88	3.09	2.31	2.18	1.84	1.68
		COP	1.56	1.66	1.89	1.97	1.98	2.20	2.05	2.32	2.70	3.08	3.44	4.06
	71.6°F (22°C)	TC	9.64	12.16	15.64	16.05	17.85	22.07	19.87	24.18	20.93	22.60	21.29	21.99
		Input	1.86	2.19	2.47	2.42	2.68	2.97	2.87	3.09	2.30	2.17	1.83	1.76
		COP	1.52	1.62	1.86	1.94	1.96	2.18	2.03	2.30	2.67	3.05	3.41	3.67
24K	59°F (15°C)	TC	15.30	18.82	24.45	25.80	27.39	27.45	27.82	31.56	35.36	34.51	31.92	31.99
		Input	2.89	3.40	3.68	3.58	3.72	3.33	3.37	3.70	3.83	3.54	2.60	2.24
		COP	1.55	1.62	1.95	2.11	2.16	2.41	2.42	2.50	2.71	2.86	3.60	4.19
	64.4°F (18°C)	TC	15.40	18.92	24.54	25.89	27.49	27.55	27.92	31.66	35.45	34.60	32.02	32.09
		Input	2.89	3.40	3.68	3.58	3.72	3.33	3.37	3.71	3.83	3.54	2.60	2.24
		COP	1.56	1.63	1.95	2.12	2.16	2.42	2.43	2.50	2.71	2.86	3.61	4.19
	69°F (20.5°C)	TC	15.48	19.00	24.62	25.98	27.57	27.63	28.00	31.74	35.53	34.68	32.10	32.17
		Input	2.90	3.41	3.68	3.58	3.72	3.34	3.37	3.71	3.83	3.54	2.60	2.24
		COP	1.57	1.63	1.96	2.12	2.17	2.43	2.43	2.51	2.72	2.87	3.62	4.20
	71.6°F (22°C)	TC	15.52	19.04	24.67	26.02	27.62	27.67	28.05	31.78	35.58	34.73	32.14	32.22
		Input	2.90	3.41	3.69	3.59	3.73	3.34	3.37	3.71	3.84	3.54	2.60	2.25
		COP	1.57	1.64	1.96	2.13	2.17	2.43	2.44	2.51	2.72	2.87	3.62	4.20

LEGEND

DB - Dry Bulb
TC - Total Net Capacity (1000 Btu/hour)
Input - Total Power (kW)
COP - W/W

COOLING PERFORMANCE - AHU

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18K

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB(°F)	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
489	-22	TC	19069	19079	19287	19496	19971	20393	20393	20599	20467	20467	20467	20467	21549	21549	21549	21549
		S/T	0.72	0.83	0.92	0.95	0.57	0.67	0.76	0.86	0.49	0.59	0.68	0.77	0.33	0.42	0.50	0.59
		PI	1.20	1.20	1.20	1.20	1.21	1.21	1.21	1.21	1.20	1.20	1.20	1.20	1.22	1.22	1.22	1.22
	-10	TC	18928	18938	19145	19352	19858	20277	20277	20482	20365	20365	20365	20365	21483	21483	21483	21483
		S/T	0.73	0.83	0.93	0.96	0.57	0.67	0.77	0.86	0.50	0.59	0.69	0.78	0.34	0.42	0.51	0.59
		PI	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10
	0	TC	18810	18821	19026	19232	19763	20181	20181	20384	20279	20279	20279	20279	21429	21429	21429	21429
		S/T	0.73	0.84	0.93	0.96	0.58	0.67	0.77	0.87	0.50	0.60	0.69	0.78	0.34	0.42	0.51	0.60
		PI	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.01	1.01	1.01	1.01	1.02	1.02	1.02	1.02
	5	TC	18755	18766	18971	19176	19727	20144	20144	20347	20249	20249	20249	20249	21414	21414	21414	21414
		S/T	0.73	0.84	0.94	0.97	0.58	0.68	0.77	0.87	0.50	0.60	0.70	0.78	0.34	0.42	0.51	0.60
		PI	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
	14	TC	18644	18654	18858	19062	19616	20031	20031	20233	20147	20147	20147	20147	21342	21342	21342	21342
		S/T	0.74	0.84	0.94	0.97	0.58	0.68	0.78	0.87	0.50	0.60	0.70	0.79	0.34	0.43	0.51	0.60
		PI	0.95	0.95	0.95	0.95	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
	23	TC	18533	18543	18746	18948	19542	19955	19955	20157	20073	20073	20073	20073	21288	21288	21288	21288
		S/T	0.74	0.85	0.95	0.98	0.59	0.68	0.78	0.88	0.51	0.60	0.70	0.79	0.34	0.43	0.52	0.60
		PI	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
	32	TC	18440	18450	18652	18854	19468	19880	19880	20080	20018	20018	20018	20018	21270	21270	21270	21270
		S/T	0.74	0.85	0.95	0.98	0.59	0.69	0.78	0.88	0.51	0.61	0.71	0.79	0.34	0.43	0.52	0.61
		PI	0.96	0.95	0.95	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.95	0.96	0.96	0.96	0.96
	41	TC	18348	18358	18558	18759	19395	19804	19804	20004	19953	19953	19953	19953	21251	21251	21251	21251
		S/T	0.75	0.86	0.96	0.99	0.59	0.69	0.79	0.89	0.51	0.61	0.71	0.80	0.34	0.43	0.52	0.61
		PI	0.96	0.96	0.96	0.96	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
	50	TC	18236	18246	18446	18645	19302	19710	19710	19909	19870	19870	19870	19870	21197	21197	21197	21197
		S/T	0.75	0.86	0.96	0.99	0.59	0.69	0.79	0.89	0.51	0.61	0.71	0.80	0.35	0.44	0.52	0.61
		PI	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.98	0.98	0.98	0.98
	59	TC	18088	18098	18296	18494	19173	19578	19578	19776	19750	19750	19750	19750	21106	21106	21106	21106
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.81	0.35	0.44	0.53	0.62
		PI	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	68	TC	17884	17894	18090	18285	18970	18970	18970	19165	19556	19556	19556	19556	20925	20925	20925	20925
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.81	0.35	0.44	0.53	0.62
		PI	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
	77	TC	17014	17210	17405	17601	18090	18090	18090	18285	18676	18676	18676	18676	20045	20045	20045	20045
		S/T	0.78	0.88	0.99	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.83	0.34	0.44	0.53	0.63
		PI	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
	86	TC	16232	16427	16623	16818	17307	17307	17307	17503	17796	17796	17796	17796	19165	19165	19165	19165
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.94	0.53	0.64	0.74	0.85	0.34	0.44	0.54	0.64
		PI	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.26	1.26	1.26	1.26
	95	TC	15450	15645	15841	16036	16427	16427	16427	16623	16916	16916	17210	16916	18285	18285	18285	18285
		S/T	0.81	0.92	1.00	1.00	0.62	0.74	0.85	0.96	0.54	0.65	0.75	0.87	0.34	0.44	0.55	0.65
		PI	1.37	1.37	1.37	1.37	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.39	1.39	1.39	1.39
	104	TC	14607	14759	14910	15062	15543	15543	15588	15740	16034	16034	16194	16123	17318	17318	17318	17318
		S/T	0.84	0.97	1.00	1.00	0.64	0.76	0.89	1.00	0.54	0.67	0.79	0.91	0.33	0.45	0.56	0.67
		PI	1.51	1.51	1.51	1.51	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.53	1.53	1.53	1.53
	115	TC	13537	13635	13733	13831	14420	14420	14518	14616	14910	14910	14910	15106	16087	16087	16087	16087
		S/T	0.85	0.99	1.00	1.00	0.65	0.78	0.91	1.00	0.55	0.68	0.80	0.93	0.33	0.45	0.57	0.69
		PI	1.68	1.68	1.68	1.68	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.70	1.70	1.70	1.70
	122	TC	12654	12752	12850	12948	13537	13537	13635	13733	14027	14027	14027	14125	15204	15204	15204	15204
		S/T	0.88	1.00	1.00	1.00	0.66	0.80	0.94	1.00	0.56	0.69	0.83	0.96	0.33	0.45	0.58	0.70
		PI	1.82	1.82	1.82	1.82	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.85	1.85	1.85	1.85

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB(°F)	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
530	-22	TC	19506	19714	19923	20131	20393	20393	20393	20599	20886	20886	20886	20886	22063	22063	22063	22063
		S/T	0.74	0.85	0.97	1.00	0.58	0.68	0.78	0.87	0.50	0.60	0.69	0.80	0.32	0.42	0.51	0.60
		PI	1.20	1.20	1.20	1.20	1.21	1.21	1.21	1.21	1.20	1.20	1.20	1.20	1.22	1.22	1.22	1.22
	-10	TC	19362	19569	19776	19983	20277	20277	20277	20482	20782	20782	20782	20782	21996	21996	21996	21996
		S/T	0.75	0.85	0.97	1.00	0.58	0.68	0.79	0.88	0.51	0.60	0.70	0.80	0.33	0.42	0.52	0.60
		PI	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10
	0	TC	19241	19447	19653	19859	20181	20181	20181	20384	20695	20695	20695	20695	21940	21940	21940	21940
		S/T	0.75	0.86	0.98	1.00	0.59	0.68	0.79	0.89	0.51	0.61	0.70	0.81	0.33	0.42	0.52	0.61
		PI	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
	5	TC	19185	19390	19596	19801	20144	20144	20144	20347	20664	20664	20664	20664	21926	21926	21926	21926
		S/T	0.75	0.86	0.98	1.00	0.59	0.69	0.79	0.89	0.51	0.61	0.70	0.81	0.33	0.42	0.52	0.61
		PI	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	14	TC	19072	19275	19479	19683	20031	20031	20031	20233	20560	20560	20560	20560	21851	21851	21851	21851
		S/T	0.76	0.86	0.99	1.00	0.59	0.69	0.80	0.89	0.51	0.61	0.71	0.82	0.33	0.43	0.52	0.61
		PI	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	23	TC	18958	19161	19363	19566	19955	19955	19955	20157	20485	20485	20485	20485	21796	21796	21796	21796
		S/T	0.76	0.87	0.99	1.00	0.59	0.69	0.80	0.90	0.52	0.61	0.71	0.82	0.33	0.43	0.53	0.61
		PI	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	32	TC	18863	19065	19266	19468	19880	19880	19880	20080	20428	20428	20428	20428	21777	21777	21777	21777
		S/T	0.76	0.87	1.00	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.33	0.43	0.53	0.62
		PI	0.97	0.97	0.97	0.97	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
	41	TC	18768	18969	19170	19370	19804	19804	19804	20004	20363	20363	20363	20363	21759	21759	21759	21759
		S/T	0.77	0.88	1.00	1.00	0.60	0.70	0.81	0.91	0.52	0.62	0.72	0.83	0.33	0.43	0.53	0.62
		PI	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98
	50	TC	18654	18854	19053	19253	19710	19710	19710	19909	20278	20278	20278	20278	21703	21703	21703	21703
		S/T	0.77	0.88	1.00	1.00	0.60	0.70	0.81	0.91	0.52	0.62	0.72	0.83	0.34	0.44	0.53	0.62
		PI	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	59	TC	18503	18701	18899	19096	19578	19578	19578	19776	20155	20155	20155	20155	21610	21610	21610	21610
		S/T	0.78	0.89	0.99	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.84	0.34	0.44	0.54	0.63
		PI	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
	68	TC	18294	18490	18686	18881	19370	19370	19370	19566	19957	19957	19957	19957	21425	21425	21425	21425
		S/T	0.78	0.89	0.99	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.84	0.34	0.44	0.54	0.63
		PI	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.05	1.05	1.05	1.05
	77	TC	17414	17609	17805	18001	18490	18490	18490	18686	19077	19077	19077	19077	20544	20544	20544	20544
		S/T	0.79	0.91	1.00	1.00	0.62	0.73	0.84	0.94	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.64
		PI	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
	86	TC	16631	16827	17022	17218	17707	17707	17707	17903	18196	18196	18196	18196	19664	19664	19664	19664
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.85	0.97	0.54	0.65	0.76	0.88	0.34	0.44	0.55	0.65
		PI	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.29	1.29	1.29	1.29
	95	TC	15751	15946	16142	16338	16827	16827	16827	17022	17316	17316	17609	17805	18686	18686	18686	18686
		S/T	0.83	0.95	1.00	1.00	0.63	0.75	0.88	0.99	0.54	0.66	0.77	0.89	0.34	0.45	0.56	0.67
		PI	1.40	1.40	1.40	1.40	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
	104	TC	14814	14965	15116	15266	15798	15798	15887	16082	16286	16286	16445	16640	17607	17607	17607	17607
		S/T	0.86	1.00	1.00	1.00	0.65	0.78	0.91	1.00	0.55	0.68	0.81	0.93	0.33	0.45	0.57	0.69
		PI	1.55	1.55	1.55	1.55	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.57	1.57	1.57	1.57
	115	TC	13750	13848	13945	14043	14628	14628	14823	15018	15116	15116	15116	15311	16383	16383	16383	16383
		S/T	0.88	1.00	1.00	1.00	0.66	0.80	0.93	1.00	0.56	0.69	0.83	0.96	0.33	0.45	0.58	0.70
		PI	1.72	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.74	1.74	1.74	1.74	1.75	1.75	1.75	1.75
	122	TC	12873	12970	13068	13165	13750	13750	13848	13945	14238	14238	14238	14335	15408	15408	15408	15408
		S/T	0.90	1.00	1.00	1.00	0.67	0.82	0.97	1.00	0.57	0.71	0.85	0.99	0.32	0.46	0.59	0.91
		PI	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.90	1.90	1.90	1.90

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 3 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB(°F)	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
577	-22	TC	19923	20131	20340	20549	20908	20908	20908	21114	21398	21398	21398	21398	22567	22567	22567	22567
		S/T	0.76	0.87	1.00	1.00	0.59	0.69	0.80	0.96	0.50	0.61	0.71	0.82	0.32	0.42	0.51	0.62
		PI	1.20	1.20	1.20	1.20	1.21	1.21	1.21	1.21	1.20	1.20	1.20	1.20	1.22	1.22	1.22	1.22
	-10	TC	19776	19983	20190	20397	20789	20789	20789	20994	21292	21292	21292	21292	22498	22498	22498	22498
		S/T	0.77	0.87	1.00	1.00	0.59	0.70	0.80	0.97	0.51	0.61	0.72	0.82	0.33	0.42	0.52	0.62
		PI	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10
	0	TC	19653	19859	20065	20270	20690	20690	20690	20894	21202	21202	21202	21202	22441	22441	22441	22441
		S/T	0.77	0.88	1.00	1.00	0.60	0.70	0.81	0.97	0.51	0.62	0.72	0.83	0.33	0.42	0.52	0.63
		PI	1.07	1.07	1.07	1.07	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
	5	TC	19596	19801	20006	20211	20652	20652	20652	20856	21171	21171	21171	21171	22426	22426	22426	22426
		S/T	0.77	0.88	1.00	1.00	0.60	0.70	0.81	0.98	0.51	0.62	0.72	0.83	0.33	0.42	0.52	0.63
		PI	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99
	14	TC	19479	19683	19887	20091	20536	20536	20536	20739	21064	21064	21064	21064	22350	22350	22350	22350
		S/T	0.78	0.88	1.00	1.00	0.60	0.71	0.82	0.98	0.51	0.62	0.73	0.83	0.33	0.43	0.52	0.63
		PI	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
	23	TC	19363	19566	19769	19972	20459	20459	20459	20661	20987	20987	20987	20987	22293	22293	22293	22293
		S/T	0.78	0.89	1.00	1.00	0.60	0.71	0.82	0.99	0.52	0.62	0.73	0.84	0.33	0.43	0.53	0.63
		PI	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
	32	TC	19266	19468	19670	19872	20382	20382	20382	20582	20929	20929	20929	20929	22274	22274	22274	22274
		S/T	0.78	0.89	1.00	1.00	0.61	0.72	0.82	0.99	0.52	0.63	0.74	0.84	0.33	0.43	0.53	0.64
		PI	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99
	41	TC	19170	19370	19571	19772	20304	20304	20304	20504	20862	20862	20862	20862	22255	22255	22255	22255
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	1.00	0.52	0.63	0.74	0.85	0.33	0.43	0.53	0.64
		PI	1.01	1.01	1.01	1.01	1.00	1.00	1.00	1.00	1.01	1.01	1.01	1.01	1.00	1.00	1.00	1.00
	50	TC	19053	19253	19452	19652	20208	20208	20208	20407	20775	20775	20775	20775	22199	22199	22199	22199
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	1.00	0.52	0.63	0.74	0.85	0.34	0.44	0.53	0.64
		PI	1.03	1.03	1.03	1.03	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
	59	TC	18899	19096	19294	19492	20072	20072	20072	20270	20649	20649	20649	20649	22104	22104	22104	22104
		S/T	0.80	0.91	1.00	1.00	0.62	0.73	0.84	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.65
		PI	1.05	1.05	1.05	1.05	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
	68	TC	18686	18881	19077	19273	19860	19860	19860	20055	20447	20447	20447	20447	21914	21914	21914	21914
		S/T	0.80	0.91	1.00	1.00	0.62	0.73	0.84	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.65
		PI	1.09	1.09	1.09	1.09	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.07	1.07	1.07	1.07
	77	TC	17805	18001	18196	18392	18979	18979	18979	19175	19566	19566	19566	19566	21033	21033	21033	21033
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.86	0.97	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.66
		PI	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
	86	TC	17022	17218	17414	17609	18099	18099	18099	18294	18588	18588	18588	18783	20055	20055	20055	20055
		S/T	0.83	0.96	1.00	1.00	0.63	0.76	0.88	1.00	0.54	0.66	0.78	0.90	0.33	0.45	0.56	0.67
		PI	1.30	1.30	1.30	1.30	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
	95	TC	16142	16338	16533	16729	17218	17218	17414	17609	17707	17707	18001	18196	19077	19077	19077	19077
		S/T	0.85	0.98	1.00	1.00	0.64	0.77	0.90	1.00	0.55	0.67	0.80	0.91	0.33	0.45	0.57	0.68
		PI	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.44	1.44	1.44	1.44	1.45	1.45	1.45	1.45
	104	TC	15160	15311	15461	15612	16188	16188	16383	16578	16676	16676	16835	17030	17997	17997	17997	17997
		S/T	0.89	1.00	1.00	1.00	0.66	0.81	0.94	1.00	0.56	0.70	0.84	0.97	0.33	0.45	0.58	0.90
		PI	1.58	1.58	1.58	1.58	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.61	1.61	1.61	1.61
	115	TC	14043	14140	14238	14335	15018	15018	15213	15408	15506	15506	15506	15701	16773	16773	16773	16773
		S/T	0.90	1.00	1.00	1.00	0.67	0.82	0.96	1.00	0.57	0.71	0.85	0.99	0.32	0.46	0.59	0.92
		PI	1.76	1.76	1.76	1.76	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.79	1.79	1.79	1.79
	122	TC	13165	13263	13360	13458	14043	14043	14140	14238	14530	14530	14530	14628	15798	15798	15798	15798
		S/T	0.93	1.00	1.00	1.00	0.69	0.85	1.00	1.00	0.58	0.73	0.88	1.00	0.32	0.46	0.60	0.97
		PI	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.94	1.94	1.94	1.94

LEGEND
TC:Total Cooling Capacity (BTU/hr)
S/T: Sensible Cooling Capacity Ratio
PI: Power Input (kW)
Extrapolated Data - refers to grayed out content

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24K

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 1 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB(°F)	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
630	-22	TC	24387	24408	24617	24825	25542	26070	26070	26379	26108	26108	26108	26108	27604	27604	27604	27604
		S/T	0.73	0.83	0.93	0.95	0.57	0.67	0.76	0.86	0.49	0.59	0.68	0.78	0.33	0.42	0.50	0.59
		PI	1.54	1.54	1.54	1.54	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.56	1.56	1.56	1.56
	-10	TC	24207	24228	24435	24642	25397	25922	25922	26229	25978	25978	25978	25978	27520	27520	27520	27520
		S/T	0.74	0.83	0.94	0.96	0.57	0.67	0.77	0.86	0.50	0.59	0.69	0.79	0.34	0.42	0.51	0.59
		PI	1.39	1.39	1.39	1.39	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
	0	TC	24057	24078	24283	24489	25277	25798	25798	26104	25869	25869	25869	25869	27451	27451	27451	27451
		S/T	0.74	0.84	0.94	0.96	0.58	0.68	0.77	0.87	0.50	0.60	0.69	0.79	0.34	0.42	0.51	0.60
		PI	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
	5	TC	23987	24007	24212	24418	25230	25751	25751	26057	25830	25830	25830	25830	27432	27432	27432	27432
		S/T	0.74	0.84	0.95	0.97	0.58	0.68	0.77	0.87	0.50	0.60	0.70	0.79	0.34	0.42	0.51	0.60
		PI	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.21	1.21	1.21	1.21
	14	TC	23844	23865	24069	24273	25089	25607	25607	25910	25701	25701	25701	25701	27339	27339	27339	27339
		S/T	0.75	0.84	0.95	0.97	0.58	0.68	0.78	0.87	0.50	0.60	0.70	0.80	0.34	0.43	0.51	0.60
		PI	1.22	1.21	1.21	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
	23	TC	23702	23723	23925	24128	24994	25510	25510	25813	25606	25606	25606	25606	27270	27270	27270	27270
		S/T	0.75	0.85	0.96	0.98	0.59	0.68	0.78	0.88	0.51	0.60	0.70	0.80	0.34	0.43	0.52	0.60
		PI	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
	32	TC	23584	23604	23806	24007	24900	25414	25414	25715	25536	25536	25536	25536	27246	27246	27246	27246
		S/T	0.75	0.85	0.96	0.98	0.59	0.69	0.78	0.88	0.51	0.61	0.71	0.80	0.34	0.43	0.52	0.61
		PI	1.22	1.21	1.21	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
	41	TC	23465	23485	23686	23887	24805	25317	25317	25618	25453	25453	25453	25453	27223	27223	27223	27223
		S/T	0.76	0.86	0.97	0.99	0.59	0.69	0.79	0.89	0.51	0.61	0.71	0.81	0.34	0.43	0.52	0.61
		PI	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
	50	TC	23323	23343	23542	23742	24687	25197	25197	25496	25347	25347	25347	25347	27154	27154	27154	27154
		S/T	0.76	0.86	0.97	0.99	0.59	0.69	0.79	0.89	0.51	0.61	0.71	0.81	0.35	0.44	0.52	0.61
		PI	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	59	TC	23133	23153	23351	23549	24522	25028	25028	25325	25194	25194	25194	25194	27038	27038	27038	27038
		S/T	0.77	0.87	0.98	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.27	1.27	1.27	1.27
	68	TC	22873	22892	23088	23284	24262	24262	24262	24458	24947	24947	24947	24947	26805	26805	26805	26805
		S/T	0.77	0.87	0.98	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	1.33	1.32	1.32	1.33	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.31	1.31	1.31	1.31
	77	TC	21816	22012	22207	22403	23186	23186	23186	23381	23871	23871	23871	23871	25632	25632	25632	25632
		S/T	0.78	0.89	0.99	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.84	0.34	0.44	0.53	0.63
		PI	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
	86	TC	20838	21033	21229	21425	22110	22110	22110	22305	22794	22794	22794	22794	24555	24555	24555	24555
		S/T	0.79	0.91	1.00	1.00	0.61	0.72	0.84	0.94	0.53	0.64	0.75	0.85	0.34	0.44	0.54	0.64
		PI	1.59	1.59	1.59	1.59	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.61	1.61	1.61	1.61
	95	TC	19762	19957	20153	20349	21033	21033	21033	21229	21718	21718	22012	21718	23381	23381	23381	23381
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.85	0.97	0.54	0.65	0.76	0.87	0.34	0.44	0.55	0.65
		PI	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.76	1.76	1.76	1.76	1.77	1.77	1.77	1.77
	104	TC	18639	18835	19031	19227	19868	19868	19957	20153	20510	20510	20670	20599	22131	22131	22131	22131
		S/T	0.84	0.97	1.00	1.00	0.64	0.77	0.89	1.00	0.55	0.67	0.79	0.91	0.33	0.45	0.56	0.68
		PI	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.94	1.94	1.96	1.96	1.96	1.96
	115	TC	17249	17445	17641	17837	18425	18425	18621	18817	19013	19013	19013	19209	20581	20581	20581	20581
		S/T	0.86	0.99	1.00	1.00	0.65	0.78	0.91	1.00	0.55	0.68	0.81	0.93	0.33	0.45	0.57	0.69
		PI	2.14	2.14	2.14	2.14	2.15	2.15	2.15	2.15	2.16	2.16	2.16	2.16	2.18	2.18	2.18	2.18
	122	TC	16171	16367	16563	16759	17347	17347	17543	17739	17837	17837	17837	18033	19405	19405	19405	19405
		S/T	0.88	1.00	1.00	1.00	0.66	0.80	0.94	1.00	0.56	0.70	0.83	0.97	0.33	0.45	0.58	0.71
		PI	2.33	2.33	2.33	2.33	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.36	2.36	2.36	2.36

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 2 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB(°F)	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
695	-22	TC	24941	25150	25359	25568	26070	26070	26070	26379	26735	26735	26735	26735	28222	28222	28222	28222
		S/T	0.75	0.86	0.97	1.00	0.58	0.68	0.79	0.88	0.50	0.61	0.70	0.81	0.32	0.42	0.51	0.61
		PI	1.54	1.54	1.54	1.54	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.56	1.56	1.56	1.56
	-10	TC	24757	24964	25172	25379	25922	25922	25922	26229	26602	26602	26602	26602	28136	28136	28136	28136
		S/T	0.76	0.86	0.97	1.00	0.58	0.69	0.79	0.89	0.51	0.61	0.71	0.81	0.33	0.42	0.52	0.61
		PI	1.39	1.39	1.39	1.39	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
	0	TC	24604	24810	25015	25221	25798	25798	25798	26104	26490	26490	26490	26490	28065	28065	28065	28065
		S/T	0.76	0.87	0.98	1.00	0.59	0.69	0.80	0.90	0.51	0.62	0.71	0.82	0.33	0.42	0.52	0.62
		PI	1.32	1.32	1.32	1.32	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33
	5	TC	24532	24737	24942	25148	25751	25751	25751	26057	26450	26450	26450	26450	28046	28046	28046	28046
		S/T	0.76	0.87	0.98	1.00	0.59	0.70	0.80	0.90	0.51	0.62	0.71	0.82	0.33	0.42	0.52	0.62
		PI	1.24	1.24	1.24	1.24	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.24	1.24	1.24	1.24
	14	TC	24386	24590	24794	24999	25607	25607	25607	25910	26318	26318	26318	26318	27951	27951	27951	27951
		S/T	0.77	0.87	0.99	1.00	0.59	0.70	0.81	0.90	0.51	0.62	0.72	0.82	0.33	0.43	0.52	0.62
		PI	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
	23	TC	24241	24444	24647	24849	25510	25510	25510	25813	26221	26221	26221	26221	27880	27880	27880	27880
		S/T	0.77	0.88	0.99	1.00	0.59	0.70	0.81	0.91	0.52	0.62	0.72	0.83	0.33	0.43	0.53	0.62
		PI	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
	32	TC	24120	24322	24523	24725	25414	25414	25414	25715	26149	26149	26149	26149	27856	27856	27856	27856
		S/T	0.77	0.88	1.00	1.00	0.60	0.71	0.81	0.91	0.52	0.63	0.73	0.83	0.33	0.43	0.53	0.63
		PI	1.24	1.24	1.24	1.24	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	41	TC	23998	24199	24400	24601	25317	25317	25317	25618	26064	26064	26064	26064	27832	27832	27832	27832
		S/T	0.78	0.89	1.00	1.00	0.60	0.71	0.82	0.92	0.52	0.63	0.73	0.84	0.33	0.43	0.53	0.63
		PI	1.25	1.25	1.25	1.25	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
	50	TC	23853	24053	24252	24452	25197	25197	25197	25496	25956	25956	25956	25956	27761	27761	27761	27761
		S/T	0.78	0.89	1.00	1.00	0.60	0.71	0.82	0.92	0.52	0.63	0.73	0.84	0.34	0.44	0.53	0.63
		PI	1.27	1.27	1.27	1.27	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.27	1.27	1.27	1.27
	59	TC	23659	23857	24055	24253	25028	25028	25028	25325	25799	25799	25799	25799	27643	27643	27643	27643
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.64	0.74	0.85	0.34	0.44	0.54	0.64
		PI	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.30	1.30	1.30	1.30
	68	TC	23392	23588	23784	23980	24763	24763	24763	25056	25546	25546	25546	25546	27405	27405	27405	27405
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.64	0.74	0.85	0.34	0.44	0.54	0.64
		PI	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.34	1.34	1.34	1.34
	77	TC	22316	22512	22707	22903	23686	23686	23686	23882	24371	24371	24371	24371	26231	26231	26231	26231
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.85	0.96	0.53	0.64	0.76	0.87	0.34	0.44	0.54	0.65
		PI	1.50	1.50	1.50	1.50	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.50	1.50	1.50	1.50
	86	TC	21239	21435	21631	21826	22609	22609	22609	22805	23295	23295	23295	23490	25056	25056	25056	25056
		S/T	0.82	0.94	1.00	1.00	0.63	0.75	0.87	0.98	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.66
		PI	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
	95	TC	20163	20358	20554	20750	21533	21533	21729	21924	22120	22120	22512	22707	23882	23882	23882	23882
		S/T	0.83	0.96	1.00	1.00	0.64	0.76	0.88	1.00	0.54	0.67	0.78	0.90	0.33	0.45	0.56	0.67
		PI	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
	104	TC	18945	19140	19336	19531	20223	20223	20418	20613	20808	20808	21021	21216	22520	22520	22520	22520
		S/T	0.87	1.00	1.00	1.00	0.65	0.79	0.93	1.00	0.55	0.69	0.82	0.95	0.33	0.45	0.58	0.70
		PI	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00
	115	TC	17562	17757	17952	18147	18732	18732	18928	19123	19318	19318	19318	19513	20976	20976	20976	20976
		S/T	0.89	1.00	1.00	1.00	0.66	0.81	0.95	1.00	0.56	0.70	0.84	0.97	0.33	0.45	0.58	0.71
		PI	2.19	2.19	2.19	2.19	2.20	2.20	2.20	2.20	2.21	2.21	2.21	2.21	2.23	2.23	2.23	2.23
	122	TC	16488	16684	16879	17074	17659	17659	17854	18050	18147	18147	18147	18342	19708	19708	19708	19708
		S/T	0.91	1.00	1.00	1.00	0.68	0.83	0.98	1.00	0.57	0.72	0.87	1.00	0.32	0.46	0.60	0.91
		PI	2.38	2.38	2.38	2.38	2.39	2.39	2.39	2.39	2.40	2.40	2.40	2.40	2.41	2.41	2.41	2.41

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 3 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB(°F)	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
759	-22	TC	25463	25672	25881	26089	26688	26688	26688	26997	27350	27350	27350	27350	28826	28826	28826	28826
		S/T	0.77	0.88	1.00	1.00	0.59	0.70	0.82	0.96	0.51	0.62	0.72	0.83	0.32	0.42	0.52	0.62
		PI	1.54	1.54	1.54	1.54	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.56	1.56	1.56	1.56
	-10	TC	25275	25482	25690	25897	26536	26536	26536	26844	27213	27213	27213	27213	28739	28739	28739	28739
		S/T	0.78	0.89	1.00	1.00	0.59	0.71	0.82	0.97	0.52	0.62	0.73	0.83	0.33	0.42	0.53	0.62
		PI	1.39	1.39	1.39	1.39	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
	0	TC	25118	25324	25530	25736	26410	26410	26410	26716	27099	27099	27099	27099	28666	28666	28666	28666
		S/T	0.78	0.90	1.00	1.00	0.60	0.71	0.83	0.97	0.52	0.63	0.73	0.84	0.33	0.42	0.53	0.63
		PI	1.35	1.35	1.35	1.35	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36
	5	TC	25045	25250	25456	25661	26362	26362	26362	26667	27058	27058	27058	27058	28647	28647	28647	28647
		S/T	0.78	0.90	1.00	1.00	0.60	0.71	0.83	0.98	0.52	0.63	0.73	0.84	0.33	0.42	0.53	0.63
		PI	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
	14	TC	24897	25101	25305	25509	26214	26214	26214	26518	26923	26923	26923	26923	28550	28550	28550	28550
		S/T	0.79	0.90	1.00	1.00	0.60	0.72	0.83	0.98	0.52	0.63	0.74	0.84	0.33	0.43	0.53	0.63
		PI	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
	23	TC	24748	24951	25154	25357	26115	26115	26115	26418	26824	26824	26824	26824	28477	28477	28477	28477
		S/T	0.79	0.91	1.00	1.00	0.60	0.72	0.84	0.99	0.53	0.63	0.74	0.85	0.33	0.43	0.54	0.63
		PI	1.26	1.26	1.26	1.26	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
	32	TC	24624	24826	25028	25230	26016	26016	26016	26318	26750	26750	26750	26750	28453	28453	28453	28453
		S/T	0.79	0.91	1.00	1.00	0.61	0.73	0.84	0.99	0.53	0.64	0.74	0.85	0.33	0.43	0.54	0.64
		PI	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
	41	TC	24501	24701	24902	25103	25918	25918	25918	26218	26664	26664	26664	26664	28429	28429	28429	28429
		S/T	0.80	0.92	1.00	1.00	0.61	0.73	0.85	1.00	0.53	0.64	0.75	0.86	0.33	0.43	0.54	0.64
		PI	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
	50	TC	24352	24552	24751	24951	25794	25794	25794	26093	26553	26553	26553	26553	28356	28356	28356	28356
		S/T	0.80	0.92	1.00	1.00	0.61	0.73	0.85	1.00	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.64
		PI	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.31	1.31	1.31	1.31	1.30	1.30	1.30	1.30
	59	TC	24154	24352	24550	24748	25622	25622	25622	25918	26392	26392	26392	26392	28235	28235	28235	28235
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.86	0.97	0.54	0.65	0.76	0.87	0.34	0.44	0.55	0.65
		PI	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.34	1.34	1.34	1.34	1.33	1.33	1.33	1.33
	68	TC	23882	24078	24273	24469	25350	25350	25350	25644	26133	26133	26133	26133	27993	27993	27993	27993
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.86	0.97	0.54	0.65	0.76	0.87	0.34	0.44	0.55	0.65
		PI	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.37	1.37	1.37	1.37
	77	TC	22805	23001	23197	23392	24175	24175	24175	24371	24958	24958	24958	25252	26818	26818	26818	26818
		S/T	0.82	0.95	1.00	1.00	0.63	0.75	0.87	0.99	0.54	0.66	0.78	0.89	0.34	0.45	0.56	0.67
		PI	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53
	86	TC	21729	21924	22120	22316	23099	23099	23295	23490	23784	23784	23784	23980	25644	25644	25644	25644
		S/T	0.84	0.97	1.00	1.00	0.64	0.77	0.89	1.00	0.55	0.67	0.79	0.91	0.33	0.45	0.56	0.68
		PI	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.68	1.68	1.68	1.68
	95	TC	20652	20848	21043	21239	21924	21924	22120	22316	22609	22609	23001	23197	24469	24469	24469	24469
		S/T	0.86	1.00	1.00	1.00	0.65	0.78	0.91	1.00	0.55	0.68	0.81	0.93	0.33	0.45	0.57	0.69
		PI	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.84	1.84	1.84	1.84	1.85	1.85	1.85	1.85
	104	TC	19389	19584	19779	19974	20613	20613	20808	21003	21296	21296	21509	21704	23016	23016	23016	23016
		S/T	0.90	1.00	1.00	1.00	0.67	0.82	0.96	1.00	0.56	0.71	0.85	0.99	0.32	0.46	0.59	0.90
		PI	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.04
	115	TC	17952	18147	18342	18537	19123	19123	19318	19513	19806	19806	19806	20001	21367	21367	21367	21367
		S/T	0.92	1.00	1.00	1.00	0.68	0.83	0.98	1.00	0.57	0.72	0.87	1.00	0.32	0.46	0.60	0.92
		PI	2.24	2.24	2.24	2.24	2.25	2.25	2.25	2.25	2.26	2.26	2.26	2.26	2.28	2.28	2.28	2.28
	122	TC	16781	16976	17171	17367	17952	17952	18147	18342	18635	18635	18830	19025	20196	20196	20196	20196
		S/T	0.95	1.00	1.00	1.00	0.70	0.86	1.00	1.00	0.58	0.74	0.89	1.00	0.32	0.46	0.61	0.97
		PI	2.43	2.43	2.43	2.43	2.44	2.44	2.44	2.44	2.45	2.45	2.45	2.45	2.47	2.47	2.47	2.47

LEGEND
TC: Total Cooling Capacity (BTU/hr)
S/T: Sensible Cooling Capacity Ratio
PI: Power Input (kW)
Extrapolated Data - refers to grayed out content

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 30K

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 30K (Sheet 1 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB°F	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
712	-22	TC	31923	31975	32289	32602	33429	34165	34165	34475	34155	34155	34155	34155	36130	36130	36130	36130
		S/T	0.69	0.78	0.87	0.95	0.56	0.64	0.72	0.81	0.49	0.57	0.66	0.73	0.34	0.42	0.48	0.56
		PI	2.27	2.27	2.27	2.27	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.30	2.30	2.30	2.30
	-10	TC	31687	31739	32050	32361	33239	33971	33971	34279	33984	33984	33984	33984	36021	36021	36021	36021
		S/T	0.70	0.79	0.87	0.96	0.56	0.64	0.73	0.81	0.50	0.57	0.66	0.74	0.34	0.42	0.49	0.56
		PI	2.06	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07
	0	TC	31491	31542	31851	32161	33081	33810	33810	34116	33842	33842	33842	33842	35930	35930	35930	35930
		S/T	0.70	0.79	0.88	0.96	0.57	0.65	0.73	0.82	0.50	0.58	0.66	0.74	0.35	0.42	0.49	0.57
		PI	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
	5	TC	31398	31450	31758	32067	33021	33748	33748	34054	33791	33791	33791	33791	35906	35906	35906	35906
		S/T	0.70	0.79	0.88	0.97	0.57	0.65	0.73	0.82	0.50	0.58	0.67	0.74	0.35	0.42	0.49	0.57
		PI	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79
	14	TC	31212	31263	31570	31876	32835	33558	33558	33862	33622	33622	33622	33622	35784	35784	35784	35784
		S/T	0.71	0.80	0.88	0.97	0.57	0.65	0.74	0.82	0.50	0.58	0.67	0.75	0.35	0.43	0.49	0.57
		PI	1.79	1.79	1.79	1.79	1.80	1.80	1.80	1.80	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79
	23	TC	31026	31077	31382	31686	32712	33432	33432	33735	33498	33498	33498	33498	35693	35693	35693	35693
		S/T	0.71	0.80	0.89	0.98	0.58	0.66	0.74	0.83	0.51	0.59	0.67	0.75	0.35	0.43	0.50	0.58
		PI	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79
	32	TC	30871	30922	31225	31528	32588	33306	33306	33607	33406	33406	33406	33406	35663	35663	35663	35663
		S/T	0.72	0.80	0.89	0.98	0.58	0.66	0.74	0.83	0.51	0.59	0.68	0.75	0.35	0.43	0.50	0.58
		PI	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
	41	TC	30716	30766	31068	31369	32464	33179	33179	33480	33298	33298	33298	33298	35632	35632	35632	35632
		S/T	0.72	0.81	0.90	0.99	0.58	0.66	0.75	0.84	0.51	0.59	0.68	0.76	0.35	0.43	0.50	0.58
		PI	1.82	1.81	1.81	1.82	1.82	1.82	1.82	1.82	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
	50	TC	30530	30580	30880	31179	32310	33021	33021	33320	33159	33159	33159	33159	35541	35541	35541	35541
		S/T	0.72	0.81	0.90	0.99	0.58	0.67	0.75	0.84	0.51	0.59	0.68	0.76	0.36	0.44	0.50	0.58
		PI	1.85	1.84	1.84	1.85	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
	59	TC	30282	30331	30628	30926	32093	32800	32800	33097	32959	32959	32959	32959	35389	35389	35389	35389
		S/T	0.73	0.82	0.91	1.00	0.59	0.67	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.51	0.59
		PI	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
	68	TC	29940	29989	30283	30577	31753	31753	31753	31753	32635	32635	32635	32635	35085	35085	35085	35085
		S/T	0.73	0.82	0.91	1.00	0.59	0.67	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.51	0.59
		PI	1.96	1.95	1.95	1.96	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93
	77	TC	28519	28519	28813	29107	30381	30381	30381	30381	31263	31263	31263	31263	33615	33615	33615	33615
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.70	0.78	0.35	0.44	0.52	0.60
		PI	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16
	86	TC	27245	27245	27539	27833	28911	28911	28911	28911	29793	29793	29793	29793	32145	32145	32145	32145
		S/T	0.75	0.86	0.95	1.00	0.60	0.69	0.79	0.88	0.52	0.61	0.71	0.80	0.35	0.44	0.52	0.61
		PI	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.38	2.38	2.38	2.38
	95	TC	25873	25873	26167	26461	27539	27539	27539	27833	28421	28421	28813	28421	30577	30577	30577	30577
		S/T	0.77	0.87	0.98	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	2.58	2.58	2.58	2.58	2.59	2.59	2.59	2.59	2.60	2.60	2.60	2.60	2.61	2.61	2.61	2.61
	104	TC	24002	24090	24335	24581	25600	25600	25600	25845	26381	26381	26592	26381	28461	28461	28461	28461
		S/T	0.79	0.91	1.00	1.00	0.61	0.72	0.83	0.94	0.53	0.64	0.75	0.85	0.34	0.44	0.54	0.64
		PI	2.85	2.85	2.85	2.85	2.86	2.86	2.86	2.86	2.87	2.87	2.87	2.87	2.89	2.89	2.89	2.89
	115	TC	22211	22404	22597	22790	23756	23756	23756	23949	24432	24432	24432	24432	26460	26460	26460	26460
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.85	0.96	0.54	0.65	0.76	0.87	0.34	0.44	0.55	0.65
		PI	3.17	3.17	3.17	3.17	3.18	3.18	3.18	3.18	3.19	3.19	3.19	3.19	3.22	3.22	3.22	3.22
	122	TC	20859	21052	21245	21438	22307	22307	22307	22501	22983	22983	22983	23177	24915	24915	24915	24915
		S/T	0.83	0.95	1.00	1.00	0.63	0.75	0.88	0.99	0.54	0.66	0.78	0.89	0.34	0.45	0.55	0.66
		PI	3.44	3.44	3.44	3.44	3.45	3.45	3.45	3.45	3.46	3.46	3.46	3.46	3.49	3.49	3.49	3.49

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 30K (Sheet 2 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB°F	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
806	-22	TC	32615	32615	32929	33242	34165	34165	34165	34475	34887	34887	34887	34887	36953	36953	36953	36953
		S/T	0.72	0.82	0.97	1.00	0.57	0.66	0.75	0.84	0.49	0.59	0.68	0.76	0.33	0.42	0.49	0.58
		PI	2.27	2.27	2.27	2.27	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.30	2.30	2.30	2.30
	-10	TC	32374	32374	32685	32997	33971	33971	33971	34279	34712	34712	34712	34712	36841	36841	36841	36841
		S/T	0.73	0.82	0.97	1.00	0.57	0.66	0.76	0.84	0.50	0.59	0.68	0.77	0.34	0.42	0.50	0.58
		PI	2.06	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07
	0	TC	32173	32173	32483	32792	33810	33810	33810	34116	34567	34567	34567	34567	36748	36748	36748	36748
		S/T	0.73	0.83	0.98	1.00	0.58	0.66	0.76	0.85	0.50	0.60	0.68	0.77	0.34	0.42	0.50	0.59
		PI	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96
	5	TC	32079	32079	32388	32696	33748	33748	33748	34054	34515	34515	34515	34515	36723	36723	36723	36723
		S/T	0.73	0.83	0.98	1.00	0.58	0.67	0.76	0.85	0.50	0.60	0.69	0.77	0.34	0.42	0.50	0.59
		PI	1.84	1.84	1.84	1.84	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83
	14	TC	31889	31889	32196	32502	33558	33558	33558	33862	34342	34342	34342	34342	36598	36598	36598	36598
		S/T	0.74	0.83	0.99	1.00	0.58	0.67	0.77	0.85	0.50	0.60	0.69	0.78	0.34	0.43	0.50	0.59
		PI	1.83	1.83	1.83	1.83	1.82	1.82	1.82	1.82	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83
	23	TC	31699	31699	32004	32309	33432	33432	33432	33735	34216	34216	34216	34216	36505	36505	36505	36505
		S/T	0.74	0.84	0.99	1.00	0.59	0.67	0.77	0.86	0.51	0.60	0.69	0.78	0.34	0.43	0.51	0.59
		PI	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83
	32	TC	31540	31540	31844	32147	33306	33306	33306	33607	34122	34122	34122	34122	36474	36474	36474	36474
		S/T	0.74	0.84	1.00	1.00	0.59	0.68	0.77	0.86	0.51	0.61	0.70	0.78	0.34	0.43	0.51	0.60
		PI	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.84	1.84	1.84	1.84
	41	TC	31382	31382	31684	31985	33179	33179	33179	33480	34011	34011	34011	34011	36443	36443	36443	36443
		S/T	0.75	0.85	1.00	1.00	0.59	0.68	0.78	0.87	0.51	0.61	0.70	0.79	0.34	0.43	0.51	0.60
		PI	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
	50	TC	31192	31192	31492	31792	33021	33021	33021	33320	33870	33870	33870	33870	36350	36350	36350	36350
		S/T	0.75	0.85	1.00	1.00	0.59	0.68	0.78	0.87	0.51	0.61	0.70	0.79	0.35	0.44	0.51	0.60
		PI	1.88	1.88	1.88	1.88	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
	59	TC	30938	30938	31236	31533	32800	32800	32800	33097	33665	33665	33665	33665	36195	36195	36195	36195
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.62	0.71	0.80	0.35	0.44	0.52	0.61
		PI	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
	68	TC	30590	30590	30884	31178	32452	32452	32452	32746	33335	33335	33335	33335	35884	35884	35884	35884
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.62	0.71	0.80	0.35	0.44	0.52	0.61
		PI	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97
	77	TC	29119	29119	29413	29707	30982	30982	30982	31276	31864	31864	31864	31864	34315	34315	34315	34315
		S/T	0.77	0.88	0.98	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
	86	TC	27746	28040	28335	28629	29511	29511	29511	29805	30393	30393	30393	30393	32845	32845	32845	32845
		S/T	0.78	0.89	1.00	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.84	0.34	0.44	0.53	0.63
		PI	2.41	2.41	2.41	2.41	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.43	2.43	2.43	2.43
	95	TC	26374	26668	26962	27256	28138	28138	28138	28433	28923	28923	29413	28923	31276	31276	31276	31276
		S/T	0.80	0.91	1.00	1.00	0.62	0.73	0.84	0.95	0.53	0.64	0.74	0.86	0.34	0.44	0.54	0.64
		PI	2.63	2.63	2.63	2.63	2.64	2.64	2.64	2.64	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65
	104	TC	24881	25131	25380	25630	26558	26558	26692	26986	27343	27343	27611	27477	29564	29564	29564	29564
		S/T	0.83	0.95	1.00	1.00	0.63	0.75	0.88	0.99	0.54	0.66	0.78	0.89	0.34	0.45	0.56	0.67
		PI	2.90	2.90	2.90	2.90	2.91	2.91	2.91	2.91	2.92	2.92	2.92	2.92	2.93	2.93	2.93	2.93
	115	TC	23061	23257	23453	23650	24631	24631	24925	25220	25416	25416	25416	25710	27477	27477	27477	27477
		S/T	0.84	0.97	1.00	1.00	0.64	0.77	0.89	1.00	0.55	0.67	0.79	0.91	0.33	0.45	0.56	0.68
		PI	3.22	3.22	3.22	3.22	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.27	3.27	3.27	3.27
	122	TC	21589	21785	21981	22178	23061	23061	23257	23453	23846	23846	23846	24042	25907	25907	25907	25907
		S/T	0.87	1.00	1.00	1.00	0.65	0.79	0.92	1.00	0.55	0.68	0.82	0.94	0.33	0.45	0.57	0.91
		PI	3.49	3.49	3.49	3.49	3.51	3.51	3.51	3.51	3.52	3.52	3.52	3.52	3.55	3.55	3.55	3.55

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 30K (Sheet 3 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB°F	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
895	-22	TC	33242	33556	33869	34183	34784	34784	34784	35094	35605	35605	35605	35605	37659	37659	37659	37659
		S/T	0.74	0.85	1.00	1.00	0.58	0.68	0.78	0.96	0.50	0.60	0.69	0.79	0.32	0.42	0.50	0.60
		PI	2.27	2.27	2.27	2.27	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.30	2.30	2.30	2.30
	-10	TC	32997	33308	33619	33931	34587	34587	34587	34895	35427	35427	35427	35427	37545	37545	37545	37545
		S/T	0.75	0.85	1.00	1.00	0.58	0.68	0.79	0.97	0.51	0.60	0.70	0.79	0.33	0.42	0.51	0.60
		PI	2.06	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07
	0	TC	32792	33101	33411	33720	34423	34423	34423	34729	35279	35279	35279	35279	37450	37450	37450	37450
		S/T	0.75	0.86	1.00	1.00	0.59	0.68	0.79	0.97	0.51	0.61	0.70	0.80	0.33	0.42	0.51	0.61
		PI	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00
	5	TC	32696	33005	33313	33622	34360	34360	34360	34666	35226	35226	35226	35226	37425	37425	37425	37425
		S/T	0.75	0.86	1.00	1.00	0.59	0.69	0.79	0.98	0.51	0.61	0.70	0.80	0.33	0.42	0.51	0.61
		PI	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.86	1.86	1.86	1.86
	14	TC	32502	32809	33116	33422	34167	34167	34167	34471	35049	35049	35049	35049	37298	37298	37298	37298
		S/T	0.76	0.86	1.00	1.00	0.59	0.69	0.80	0.98	0.51	0.61	0.71	0.81	0.33	0.43	0.51	0.61
		PI	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.87	1.87	1.87	1.87
	23	TC	32309	32613	32918	33223	34038	34038	34038	34341	34921	34921	34921	34921	37203	37203	37203	37203
		S/T	0.76	0.87	1.00	1.00	0.59	0.69	0.80	0.99	0.52	0.61	0.71	0.81	0.33	0.43	0.52	0.61
		PI	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.87	1.87	1.87	1.87
	32	TC	32147	32450	32754	33057	33909	33909	33909	34211	34824	34824	34824	34824	37172	37172	37172	37172
		S/T	0.76	0.87	1.00	1.00	0.60	0.70	0.80	0.99	0.52	0.62	0.72	0.81	0.33	0.43	0.52	0.62
		PI	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88
	41	TC	31985	32287	32589	32891	33781	33781	33781	34081	34712	34712	34712	34712	37140	37140	37140	37140
		S/T	0.77	0.88	1.00	1.00	0.60	0.70	0.81	1.00	0.52	0.62	0.72	0.82	0.33	0.43	0.52	0.62
		PI	1.89	1.89	1.89	1.89	1.88	1.88	1.88	1.88	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
	50	TC	31792	32092	32391	32691	33620	33620	33620	33919	34567	34567	34567	34567	37045	37045	37045	37045
		S/T	0.77	0.88	1.00	1.00	0.60	0.70	0.81	1.00	0.52	0.62	0.72	0.82	0.34	0.44	0.52	0.62
		PI	1.92	1.92	1.92	1.92	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91
	59	TC	31533	31831	32128	32426	33394	33394	33394	33692	34358	34358	34358	34358	36887	36887	36887	36887
		S/T	0.78	0.89	0.99	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.83	0.34	0.44	0.53	0.63
		PI	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95
	68	TC	31178	31472	31766	32060	33041	33041	33041	33335	34021	34021	34021	34021	36570	36570	36570	36570
		S/T	0.78	0.89	0.99	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.83	0.34	0.44	0.53	0.63
		PI	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01
	77	TC	29707	30001	30295	30590	31570	31570	31570	31864	32550	32550	32550	32550	35001	35001	35001	35001
		S/T	0.79	0.91	1.00	1.00	0.61	0.72	0.83	0.94	0.53	0.64	0.75	0.85	0.34	0.44	0.54	0.64
		PI	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24
	86	TC	28335	28629	28923	29217	30099	30099	30099	30393	31080	31080	31080	31080	33433	33433	33433	33433
		S/T	0.81	0.92	1.00	1.00	0.62	0.74	0.85	0.96	0.54	0.65	0.76	0.87	0.34	0.44	0.55	0.65
		PI	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.46	2.46	2.46	2.46	2.47	2.47	2.47	2.47
	95	TC	26962	27256	27550	27844	28629	28629	28629	28923	29511	29511	30001	30295	31864	31864	31864	31864
		S/T	0.82	0.95	1.00	1.00	0.63	0.75	0.87	0.99	0.54	0.66	0.77	0.88	0.34	0.44	0.55	0.66
		PI	2.68	2.68	2.68	2.68	2.69	2.69	2.69	2.69	2.70	2.70	2.70	2.70	2.71	2.71	2.71	2.71
	104	TC	25380	25630	25880	26130	27049	27049	27182	27477	27887	27887	28155	28449	30153	30153	30153	30153
		S/T	0.86	0.99	1.00	1.00	0.65	0.78	0.91	1.00	0.55	0.68	0.81	0.93	0.33	0.45	0.57	0.90
		PI	2.95	2.95	2.95	2.95	2.96	2.96	2.96	2.96	2.97	2.97	2.97	2.97	2.99	2.99	2.99	2.99
	115	TC	23453	23650	23846	24042	25122	25122	25416	25710	25907	25907	25907	26201	28066	28066	28066	28066
		S/T	0.87	1.00	1.00	1.00	0.66	0.79	0.93	1.00	0.56	0.69	0.83	0.95	0.33	0.45	0.58	0.92
		PI	3.28	3.28	3.28	3.28	3.30	3.30	3.30	3.30	3.31	3.31	3.31	3.31	3.33	3.33	3.33	3.33
	122	TC	22080	22276	22472	22668	23552	23552	23748	23944	24337	24337	24337	24533	26397	26397	26397	26397
		S/T	0.90	1.00	1.00	1.00	0.67	0.82	0.96	1.00	0.56	0.71	0.85	0.99	0.32	0.46	0.59	0.97
		PI	3.55	3.55	3.55	3.55	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.60	3.60	3.60	3.60

LEGEND
TC: Total Cooling Capacity (BTU/hr)
S/T: Sensible Cooling Capacity Ratio
PI: Power Input (kW)
Extrapolated Data - refers to grayed out content

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 36K

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 36K (Sheet 1 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB°F	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
865	-22	TC	38350	38371	38789	39207	40158	41000	41000	41413	41050	41050	41050	41050	43421	43421	43421	43421
		S/T	0.70	0.79	0.87	0.95	0.56	0.64	0.72	0.81	0.49	0.57	0.66	0.73	0.34	0.42	0.49	0.57
		PI	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.53	3.53	3.53	3.53	3.55	3.55	3.55	3.55
	-10	TC	38067	38087	38503	38918	39931	40767	40767	41178	40845	40845	40845	40845	43290	43290	43290	43290
		S/T	0.71	0.79	0.88	0.96	0.56	0.65	0.73	0.81	0.50	0.57	0.66	0.74	0.34	0.42	0.50	0.57
		PI	3.18	3.19	3.19	3.18	3.18	3.18	3.18	3.18	3.19	3.19	3.19	3.19	3.20	3.20	3.20	3.20
	0	TC	37831	37851	38264	38676	39741	40573	40573	40982	40674	40674	40674	40674	43181	43181	43181	43181
		S/T	0.71	0.80	0.89	0.96	0.57	0.65	0.73	0.82	0.50	0.58	0.66	0.74	0.35	0.42	0.50	0.58
		PI	2.97	2.97	2.97	2.97	2.96	2.96	2.96	2.96	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97
	5	TC	37720	37741	38152	38563	39668	40499	40499	40907	40613	40613	40613	40613	43151	43151	43151	43151
		S/T	0.71	0.80	0.89	0.97	0.57	0.65	0.73	0.82	0.50	0.58	0.67	0.74	0.35	0.42	0.50	0.58
		PI	2.79	2.79	2.79	2.79	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.77	2.77	2.77	2.77
	14	TC	37496	37517	37926	38335	39445	40272	40272	40677	40409	40409	40409	40409	43005	43005	43005	43005
		S/T	0.72	0.81	0.89	0.97	0.57	0.66	0.74	0.82	0.50	0.58	0.67	0.75	0.35	0.43	0.50	0.58
		PI	2.78	2.78	2.78	2.78	2.77	2.77	2.77	2.77	2.78	2.78	2.78	2.78	2.77	2.77	2.77	2.77
	23	TC	37273	37293	37700	38106	39297	40120	40120	40524	40261	40261	40261	40261	42896	42896	42896	42896
		S/T	0.72	0.81	0.90	0.98	0.58	0.66	0.74	0.83	0.51	0.59	0.67	0.75	0.35	0.43	0.51	0.59
		PI	2.77	2.78	2.78	2.77	2.77	2.77	2.77	2.77	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78
	32	TC	37086	37107	37511	37916	39148	39968	39968	40371	40150	40150	40150	40150	42859	42859	42859	42859
		S/T	0.73	0.81	0.90	0.98	0.58	0.66	0.74	0.83	0.51	0.59	0.68	0.75	0.35	0.43	0.51	0.59
		PI	2.78	2.79	2.79	2.78	2.78	2.78	2.78	2.78	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79
	41	TC	36900	36920	37323	37725	38999	39817	39817	40218	40020	40020	40020	40020	42823	42823	42823	42823
		S/T	0.73	0.82	0.91	0.99	0.58	0.66	0.75	0.84	0.51	0.59	0.68	0.76	0.35	0.43	0.51	0.59
		PI	2.81	2.81	2.81	2.81	2.80	2.80	2.80	2.80	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81
	50	TC	36676	36696	37096	37496	38814	39627	39627	40026	39854	39854	39854	39854	42713	42713	42713	42713
		S/T	0.73	0.82	0.91	0.99	0.58	0.67	0.75	0.84	0.51	0.59	0.68	0.76	0.36	0.44	0.51	0.59
		PI	2.86	2.86	2.86	2.86	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.84	2.84	2.84	2.84
	59	TC	36378	36398	36795	37192	38554	39362	39362	39758	39613	39613	39613	39613	42531	42531	42531	42531
		S/T	0.74	0.83	0.92	1.00	0.59	0.67	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.52	0.60
		PI	2.92	2.93	2.93	2.92	2.91	2.91	2.91	2.91	2.92	2.92	2.92	2.92	2.90	2.90	2.90	2.90
	68	TC	35968	35988	36380	36772	38145	38145	38145	38145	39224	39224	39224	39224	42166	42166	42166	42166
		S/T	0.74	0.83	0.92	1.00	0.59	0.68	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.52	0.60
		PI	3.03	3.03	3.03	3.03	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	2.99	2.99	2.99	2.99
	77	TC	34321	34321	34713	35105	36478	36478	36478	36478	37557	37557	37557	37557	40401	40401	40401	40401
		S/T	0.75	0.84	0.94	1.00	0.59	0.68	0.78	0.87	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.60
		PI	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33
	86	TC	32654	32654	32948	33242	34811	34811	34811	35203	35792	35792	35792	35792	38635	38635	38635	38635
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.62	0.71	0.80	0.35	0.44	0.52	0.61
		PI	3.65	3.65	3.65	3.65	3.66	3.66	3.66	3.66	3.67	3.67	3.67	3.67	3.68	3.68	3.68	3.68
	95	TC	31085	31085	31379	31673	33046	33046	33046	33340	34125	34125	34615	34125	36772	36772	36772	36772
		S/T	0.77	0.88	0.98	1.00	0.60	0.70	0.81	0.90	0.53	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	3.99	3.99	3.99	3.99	4.01	4.01	4.01	4.01	4.01	4.01	4.02	4.01	4.04	4.04	4.04	4.04
	104	TC	28980	29112	29403	29695	30878	30878	30878	31169	31858	31858	32123	31858	34392	34392	34392	34392
		S/T	0.80	0.91	1.00	1.00	0.62	0.73	0.84	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.64
		PI	4.41	4.41	4.41	4.41	4.42	4.42	4.42	4.42	4.43	4.43	4.43	4.43	4.46	4.46	4.46	4.46
	115	TC	26808	27099	27390	27682	28653	28653	28653	28944	29527	29527	29527	29527	31955	31955	31955	31955
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.86	0.97	0.54	0.65	0.76	0.88	0.34	0.44	0.55	0.65
		PI	4.90	4.90	4.90	4.90	4.92	4.92	4.92	4.92	4.93	4.93	4.93	4.93	4.97	4.97	4.97	4.97
	122	TC	25156	25448	25739	26030	26905	26905	26905	27196	27779	27779	27779	28070	30110	30110	30110	30110
		S/T	0.83	0.96	1.00	1.00	0.63	0.76	0.88	1.00	0.54	0.66	0.78	0.90	0.33	0.45	0.56	0.67
		PI	5.30	5.30	5.30	5.30	5.32	5.32	5.32	5.32	5.34	5.34	5.34	5.34	5.38	5.38	5.38	5.38

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 36K (Sheet 2 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB°F	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
971	-22	TC	39118	39118	39536	39954	41000	41000	41000	41413	41887	41887	41887	41887	44347	44347	44347	44347
		S/T	0.72	0.82	0.97	1.00	0.57	0.66	0.75	0.84	0.49	0.59	0.68	0.77	0.33	0.42	0.50	0.58
		PI	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.53	3.53	3.53	3.53	3.55	3.55	3.55	3.55
	-10	TC	38829	38829	39244	39659	40767	40767	40767	41178	41678	41678	41678	41678	44213	44213	44213	44213
		S/T	0.73	0.82	0.97	1.00	0.57	0.66	0.76	0.84	0.50	0.59	0.68	0.78	0.34	0.42	0.51	0.58
		PI	3.18	3.19	3.19	3.18	3.18	3.18	3.18	3.18	3.19	3.19	3.19	3.19	3.20	3.20	3.20	3.20
	0	TC	38588	38588	39001	39413	40573	40573	40573	40982	41503	41503	41503	41503	44101	44101	44101	44101
		S/T	0.73	0.83	0.98	1.00	0.58	0.66	0.76	0.85	0.50	0.60	0.68	0.78	0.34	0.42	0.51	0.59
		PI	3.03	3.03	3.03	3.03	3.02	3.02	3.02	3.02	3.03	3.03	3.03	3.03	3.04	3.04	3.04	3.04
	5	TC	38475	38475	38887	39298	40499	40499	40499	40907	41441	41441	41441	41441	44071	44071	44071	44071
		S/T	0.73	0.83	0.98	1.00	0.58	0.67	0.76	0.85	0.50	0.60	0.69	0.78	0.34	0.42	0.51	0.59
		PI	2.85	2.85	2.85	2.85	2.83	2.83	2.83	2.83	2.84	2.84	2.84	2.84	2.83	2.83	2.83	2.83
	14	TC	38247	38247	38656	39065	40272	40272	40272	40677	41233	41233	41233	41233	43922	43922	43922	43922
		S/T	0.74	0.83	0.99	1.00	0.58	0.67	0.77	0.85	0.50	0.60	0.69	0.79	0.34	0.43	0.51	0.59
		PI	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83
	23	TC	38019	38019	38425	38832	40120	40120	40120	40524	41082	41082	41082	41082	43810	43810	43810	43810
		S/T	0.74	0.84	0.99	1.00	0.59	0.67	0.77	0.86	0.51	0.60	0.69	0.79	0.34	0.43	0.52	0.59
		PI	2.83	2.83	2.83	2.83	2.82	2.82	2.82	2.82	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83
	32	TC	37829	37829	38233	38638	39968	39968	39968	40371	40968	40968	40968	40968	43773	43773	43773	43773
		S/T	0.74	0.84	1.00	1.00	0.59	0.68	0.77	0.86	0.51	0.61	0.70	0.79	0.34	0.43	0.52	0.60
		PI	2.84	2.84	2.84	2.84	2.83	2.83	2.83	2.83	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84
	41	TC	37639	37639	38041	38444	39817	39817	39817	40218	40836	40836	40836	40836	43736	43736	43736	43736
		S/T	0.75	0.85	1.00	1.00	0.59	0.68	0.78	0.87	0.51	0.61	0.70	0.80	0.34	0.43	0.52	0.60
		PI	2.87	2.87	2.87	2.87	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86
	50	TC	37411	37411	37811	38211	39627	39627	39627	40026	40666	40666	40666	40666	43624	43624	43624	43624
		S/T	0.75	0.85	1.00	1.00	0.59	0.68	0.78	0.87	0.51	0.61	0.70	0.80	0.35	0.44	0.52	0.60
		PI	2.92	2.92	2.92	2.92	2.90	2.90	2.90	2.90	2.91	2.91	2.91	2.91	2.90	2.90	2.90	2.90
	59	TC	37106	37106	37503	37900	39362	39362	39362	39758	40420	40420	40420	40420	43437	43437	43437	43437
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.61
		PI	2.99	2.99	2.99	2.99	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.96	2.96	2.96	2.96
	68	TC	36688	36688	37081	37473	38944	38944	38944	39337	40023	40023	40023	40023	43064	43064	43064	43064
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.61
		PI	3.09	3.09	3.09	3.09	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.05	3.05	3.05	3.05
	77	TC	35021	35021	35413	35805	37179	37179	37179	37571	38258	38258	38258	38258	41201	41201	41201	41201
		S/T	0.77	0.88	0.98	1.00	0.60	0.70	0.81	0.90	0.53	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
	86	TC	33353	33647	33941	34236	35511	35511	35511	35903	36590	36590	36590	36590	39337	39337	39337	39337
		S/T	0.78	0.89	1.00	1.00	0.61	0.72	0.82	0.92	0.53	0.63	0.73	0.84	0.34	0.44	0.54	0.63
		PI	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.74	3.74	3.74	3.74	3.75	3.75	3.75	3.75
	95	TC	31685	31980	32274	32568	33745	33745	33745	34040	34726	34726	35315	34726	37473	37473	37473	37473
		S/T	0.80	0.91	1.00	1.00	0.62	0.73	0.84	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.64
		PI	4.07	4.07	4.07	4.07	4.09	4.09	4.09	4.09	4.09	4.09	4.10	4.09	4.09	4.09	4.09	4.09
	104	TC	29865	30160	30454	30748	31837	31837	31970	32265	32773	32773	33094	32907	35431	35431	35431	35431
		S/T	0.83	0.95	1.00	1.00	0.63	0.76	0.88	1.00	0.54	0.66	0.78	0.90	0.34	0.45	0.56	0.67
		PI	4.49	4.49	4.49	4.49	4.51	4.51	4.51	4.51	4.52	4.52	4.52	4.52	4.54	4.54	4.54	4.54
	115	TC	27671	27965	28259	28554	29535	29535	29829	30124	30418	30418	30418	30713	32969	32969	32969	32969
		S/T	0.84	0.97	1.00	1.00	0.64	0.77	0.89	1.00	0.55	0.67	0.80	0.92	0.33	0.45	0.56	0.68
		PI	4.99	4.99	4.99	4.99	5.02	5.02	5.02	5.02	5.03	5.03	5.03	5.03	5.07	5.07	5.07	5.07
	122	TC	25905	26199	26493	26788	27769	27769	28063	28358	28652	28652	28652	28946	31105	31105	31105	31105
		S/T	0.87	1.00	1.00	1.00	0.65	0.79	0.92	1.00	0.55	0.69	0.82	0.94	0.33	0.45	0.57	0.91
		PI	5.41	5.41	5.41	5.41	5.43	5.43	5.43	5.43	5.44	5.44	5.44	5.44	5.49	5.49	5.49	5.49

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 36K (Sheet 3 of 3)

AIRFLOW (CFM)	OUTDOOR DB°F	ID WB(°F)	60.8				64.4				66.2				71.6			
		ID DB°F	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2	73.4	77.0	80.6	84.2
1083	-22	TC	39850	40268	40686	41105	41723	41723	41723	42136	42708	42708	42708	42708	45155	45155	45155	45155
		S/T	0.74	0.85	1.00	1.00	0.58	0.68	0.78	0.96	0.50	0.60	0.69	0.80	0.32	0.42	0.51	0.60
		PI	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.53	3.53	3.53	3.53	3.55	3.55	3.55	3.55
	-10	TC	39555	39971	40386	40801	41486	41486	41486	41897	42495	42495	42495	42495	45019	45019	45019	45019
		S/T	0.75	0.85	1.00	1.00	0.58	0.68	0.79	0.97	0.51	0.60	0.70	0.80	0.33	0.42	0.52	0.60
		PI	3.18	3.19	3.19	3.18	3.18	3.18	3.18	3.18	3.19	3.19	3.19	3.19	3.20	3.20	3.20	3.20
	0	TC	39310	39723	40135	40548	41289	41289	41289	41697	42317	42317	42317	42317	44905	44905	44905	44905
		S/T	0.75	0.86	1.00	1.00	0.59	0.68	0.79	0.97	0.51	0.61	0.70	0.81	0.33	0.42	0.52	0.61
		PI	3.09	3.09	3.09	3.09	3.08	3.08	3.08	3.08	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09
	5	TC	39195	39607	40018	40430	41213	41213	41213	41621	42253	42253	42253	42253	44874	44874	44874	44874
		S/T	0.75	0.86	1.00	1.00	0.59	0.69	0.79	0.98	0.51	0.61	0.70	0.81	0.33	0.42	0.52	0.61
		PI	2.90	2.90	2.90	2.90	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.88	2.88	2.88	2.88
	14	TC	38963	39372	39781	40190	40982	40982	40982	41387	42041	42041	42041	42041	44722	44722	44722	44722
		S/T	0.76	0.86	1.00	1.00	0.59	0.69	0.80	0.98	0.51	0.61	0.71	0.82	0.33	0.43	0.52	0.61
		PI	2.89	2.89	2.89	2.89	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
	23	TC	38730	39137	39544	39950	40827	40827	40827	41232	41887	41887	41887	41887	44609	44609	44609	44609
		S/T	0.76	0.87	1.00	1.00	0.59	0.69	0.80	0.99	0.52	0.61	0.71	0.82	0.33	0.43	0.53	0.61
		PI	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.89	2.89	2.89	2.89
	32	TC	38537	38941	39346	39751	40673	40673	40673	41076	41772	41772	41772	41772	44571	44571	44571	44571
		S/T	0.76	0.87	1.00	1.00	0.60	0.70	0.80	0.99	0.52	0.62	0.72	0.82	0.33	0.43	0.53	0.62
		PI	2.90	2.90	2.90	2.90	2.89	2.89	2.89	2.89	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90
	41	TC	38343	38746	39148	39551	40519	40519	40519	40920	41637	41637	41637	41637	44533	44533	44533	44533
		S/T	0.77	0.88	1.00	1.00	0.60	0.70	0.81	1.00	0.52	0.62	0.72	0.83	0.33	0.43	0.53	0.62
		PI	2.92	2.92	2.92	2.92	2.91	2.91	2.91	2.91	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92
	50	TC	38111	38511	38911	39311	40326	40326	40326	40725	41463	41463	41463	41463	44419	44419	44419	44419
		S/T	0.77	0.88	1.00	1.00	0.60	0.70	0.81	1.00	0.52	0.62	0.72	0.83	0.34	0.44	0.53	0.62
		PI	2.97	2.97	2.97	2.97	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96
	59	TC	37801	38198	38595	38991	40056	40056	40056	40452	41213	41213	41213	41213	44229	44229	44229	44229
		S/T	0.78	0.89	1.00	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.84	0.34	0.44	0.54	0.63
		PI	3.04	3.04	3.04	3.04	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.02	3.02	3.02	3.02
	68	TC	37375	37767	38160	38552	39631	39631	39631	40023	40808	40808	40808	40808	43849	43849	43849	43849
		S/T	0.78	0.89	1.00	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.84	0.34	0.44	0.54	0.63
		PI	3.15	3.15	3.15	3.15	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.11	3.11	3.11	3.11
	77	TC	35707	36100	36492	36884	37865	37865	37865	38258	39042	39042	39042	39042	41985	41985	41985	41985
		S/T	0.79	0.91	1.00	1.00	0.62	0.73	0.84	0.94	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.64
		PI	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46
	86	TC	34040	34334	34726	35119	36198	36198	36198	36590	37277	37277	37277	37277	40122	40122	40122	40122
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.86	0.97	0.54	0.65	0.76	0.88	0.34	0.44	0.55	0.65
		PI	3.80	3.80	3.80	3.80	3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.83	3.83	3.83	3.83
	95	TC	32274	32568	32862	33157	34334	34334	34334	34726	35413	35413	36001	36394	38258	38258	38258	38258
		S/T	0.83	0.95	1.00	1.00	0.63	0.75	0.88	0.99	0.54	0.66	0.77	0.89	0.34	0.45	0.56	0.67
		PI	4.15	4.15	4.15	4.15	4.17	4.17	4.17	4.17	4.17	4.17	4.18	4.17	4.20	4.20	4.20	4.20
	104	TC	30409	30704	30998	31292	32381	32381	32514	32862	33415	33415	33737	34084	36172	36172	36172	36172
		S/T	0.86	1.00	1.00	1.00	0.65	0.78	0.91	1.00	0.55	0.68	0.81	0.94	0.33	0.45	0.57	0.90
		PI	4.58	4.58	4.58	4.58	4.60	4.60	4.60	4.60	4.61	4.61	4.61	4.61	4.64	4.64	4.64	4.64
	115	TC	28161	28456	28750	29044	30026	30026	30320	30614	31007	31007	31007	31301	33656	33656	33656	33656
		S/T	0.88	1.00	1.00	1.00	0.66	0.80	0.93	1.00	0.56	0.69	0.83	0.96	0.33	0.45	0.58	0.92
		PI	5.09	5.09	5.09	5.09	5.12	5.12	5.12	5.12	5.13	5.13	5.13	5.13	5.17	5.17	5.17	5.17
	122	TC	26395	26690	26984	27278	28259	28259	28554	28848	29241	29241	29241	29535	31694	31694	31694	31694
		S/T	0.91	1.00	1.00	1.00	0.67	0.82	0.97	1.00	0.57	0.71	0.85	0.99	0.32	0.46	0.59	0.97
		PI	5.51	5.51	5.51	5.51	5.54	5.54	5.54	5.54	5.55	5.55	5.55	5.55	5.60	5.60	5.60	5.60

LEGEND
TC: Total Cooling Capacity (BTU/hr)
S/T: Sensible Cooling Capacity Ratio
PI: Power Input (kW)
Extrapolated Data - refers to grayed out content

HEATING PERFORMANCE - AHU

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18K

AIRFLOW (CFM)	OUTDOOR DB (°F)	TC:TOTAL CAPACITY IN KILOWATTS				PI:TOTAL POWER IN KILOWATTS			
		Indoor Conditions (DB °F)				Indoor Conditions (DB °F)			
		60.8	68.0	71.6	75.2	60.8	68.0	71.6	75.2
489	-22.0	12251	12117	12050	11983	1.54	1.60	1.55	1.55
	-10.0	14096	13942	13865	13788	1.80	1.87	1.81	1.81
	0.0	15634	15463	15377	15292	2.02	2.10	2.03	2.03
	5.0	16456	16276	16186	16096	2.15	2.22	2.15	2.15
	14.0	17572	17380	17284	17188	2.29	2.37	2.30	2.30
	17.0	18408	18207	18107	18006	2.43	2.52	2.44	2.44
	22.0	18108	17910	17811	17712	2.34	2.34	2.34	2.34
	27.0	17712	17613	17515	17416	2.17	2.16	2.16	2.16
	32.0	17218	17119	17020	16921	2.01	2.00	1.99	1.98
	37.0	17317	17119	17020	16921	1.85	1.83	1.82	1.81
	42.0	17910	17712	17613	17515	1.70	1.67	1.66	1.64
	44.6	18613	18407	18308	18209	1.62	1.50	1.58	1.56
	52.0	18803	18506	18407	18209	1.38	1.34	1.32	1.30
	57.0	18803	18506	18407	18308	1.22	1.17	1.16	1.13
	62.0	18902	18605	18407	18308	1.07	1.01	0.98	0.95
	64.4	18902	18605	18407	18308	0.99	0.93	0.90	0.87
530	-22.0	12514	12380	12313	12247	1.56	1.62	1.57	1.57
	-10.0	14399	14245	14168	14091	1.83	1.89	1.83	1.83
	0.0	15970	15799	15714	15628	2.05	2.12	2.06	2.06
	5.0	16810	16630	16540	16450	2.17	2.25	2.18	2.18
	14.0	17949	17758	17662	17566	2.32	2.40	2.33	2.33
	17.0	18804	18603	18503	18402	2.46	2.55	2.47	2.47
	22.0	18504	18306	18207	18108	2.37	2.37	2.37	2.37
	27.0	18108	18009	17910	17811	2.19	2.19	2.19	2.18
	32.0	17613	17416	17317	17218	2.03	2.02	2.01	2.01
	37.0	17712	17515	17416	17218	1.88	1.86	1.85	1.84
	42.0	18306	18108	18009	17811	1.72	1.69	1.68	1.67
	44.6	19008	18803	18704	18605	1.64	1.52	1.60	1.58
	52.0	19199	18902	18803	18605	1.40	1.36	1.34	1.32
	57.0	19199	18902	18803	18704	1.24	1.19	1.16	1.15
	62.0	19298	19001	18803	18704	1.08	1.03	1.00	0.97
	64.4	19298	19001	18803	18704	1.01	0.94	0.91	0.88
577	-22.0	12646	12512	12445	12378	1.58	1.63	1.58	1.58
	-10.0	14550	14396	14320	14243	1.85	1.91	1.86	1.86
	0.0	16138	15967	15882	15796	2.07	2.15	2.08	2.08
	5.0	16987	16807	16717	16627	2.20	2.28	2.21	2.21
	14.0	18138	17946	17850	17754	2.34	2.43	2.35	2.35
	17.0	19002	18801	18700	18600	2.49	2.58	2.50	2.50
	22.0	18702	18504	18405	18306	2.39	2.40	2.40	2.40
	27.0	18306	18108	18108	18009	2.22	2.22	2.21	2.21
	32.0	17811	17613	17515	17416	2.06	2.04	2.04	2.03
	37.0	17910	17712	17515	17416	1.90	1.88	1.87	1.86
	42.0	18504	18306	18108	18009	1.74	1.71	1.70	1.69
	44.6	19206	19001	18902	18803	1.66	1.54	1.62	1.60
	52.0	19397	19100	19001	18803	1.42	1.38	1.36	1.33
	57.0	19397	19100	19001	18902	1.25	1.20	1.18	1.16
	62.0	19496	19199	19001	18902	1.10	1.04	1.01	0.98
	64.4	19496	19199	19001	18902	1.02	0.96	0.93	0.90

LEGEND
- **TC: Total Cooling Capacity (BTU/hr)**
- **S/T: Sensible Cooling Capacity Ratio**
- **PI: Power Input (kW)**
- **Extrapolated Data - refers to grayed out content**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24K

AIRFLOW (CFM)	OUTDOOR DB (°F)	TC: TOTAL CAPACITY IN KILOWATTS				PI:TOTAL POWER IN KILOWATTS			
		Indoor Conditions (DB °F)				Indoor Conditions (DB °F)			
		60.8	68.0	71.6	75.2	60.8	68.0	71.6	75.2
630	-22.0	16573	16439	16306	16239	1.97	2.04	1.99	1.99
	-10.0	19069	18915	18761	18685	2.31	2.39	2.33	2.33
	0.0	21149	20979	20808	20723	2.59	2.68	2.61	2.62
	5.0	22262	22082	21903	21813	2.75	2.84	2.77	2.77
	14.0	23771	23579	23388	23292	2.93	3.03	2.95	2.96
	17.0	24903	24702	24501	24401	3.12	3.22	3.13	3.14
	22.0	24603	24405	24206	24107	3.01	3.02	3.03	3.04
	27.0	24206	23908	23809	23710	2.82	2.82	2.83	2.83
	32.0	23611	23313	23214	23016	2.63	2.62	2.62	2.62
	37.0	23710	23412	23313	23115	2.46	2.45	2.44	2.43
	42.0	24603	24305	24107	24008	2.29	2.27	2.26	2.25
	44.6	25519	25210	25111	24914	2.21	2.09	2.18	2.16
	52.0	25803	25408	25210	25012	1.95	1.91	1.89	1.87
	57.0	25902	25507	25309	25111	1.77	1.72	1.70	1.67
	62.0	26001	25606	25408	25210	1.59	1.54	1.51	1.49
	64.4	26100	25704	25507	25210	1.51	1.45	1.42	1.39
695	-22.0	16968	16766	16699	16632	1.99	2.06	2.00	2.01
	-10.0	19523	19292	19215	19137	2.33	2.42	2.35	2.36
	0.0	21653	21396	21310	21225	2.62	2.71	2.63	2.64
	5.0	22792	22522	22432	22341	2.77	2.87	2.79	2.80
	14.0	24337	24049	23952	23856	2.96	3.06	2.98	2.99
	17.0	25496	25194	25093	24992	3.14	3.26	3.16	3.17
	22.0	25099	24801	24702	24603	3.04	3.05	3.06	3.07
	27.0	24702	24405	24305	24206	2.85	2.85	2.86	2.86
	32.0	24008	23809	23611	23512	2.65	2.65	2.65	2.65
	37.0	24206	23908	23710	23611	2.48	2.47	2.46	2.46
	42.0	25099	24702	24603	24405	2.31	2.29	2.28	2.27
	44.6	26117	25704	25606	25408	2.24	2.11	2.20	2.18
	52.0	26298	25902	25704	25507	1.96	1.93	1.91	1.89
	57.0	26397	26001	25803	25606	1.78	1.74	1.71	1.69
	62.0	26495	26100	25902	25704	1.60	1.55	1.53	1.50
	64.4	26594	26199	26001	25704	1.52	1.46	1.43	1.40
759	-22.0	17035	16901	16768	16701	2.01	2.09	2.03	2.04
	-10.0	19601	19447	19293	19216	2.36	2.44	2.38	2.38
	0.0	21739	21568	21398	21313	2.64	2.74	2.67	2.68
	5.0	22882	22703	22524	22434	2.80	2.91	2.83	2.84
	14.0	24434	24242	24051	23955	2.99	3.10	3.02	3.02
	17.0	25597	25397	25196	25095	3.17	3.29	3.20	3.21
	22.0	25297	25099	24901	24801	3.08	3.09	3.10	3.10
	27.0	24901	24702	24504	24405	2.88	2.88	2.89	2.89
	32.0	24305	24008	23809	23710	2.68	2.68	2.68	2.67
	37.0	24405	24107	24008	23809	2.51	2.50	2.49	2.48
	42.0	25297	25000	24901	24702	2.33	2.31	2.30	2.29
	44.6	26311	26001	25902	25704	2.26	2.13	2.22	2.21
	52.0	26594	26199	26001	25803	1.98	1.94	1.92	1.91
	57.0	26693	26298	26100	25902	1.80	1.75	1.73	1.70
	62.0	26891	26495	26298	26001	1.61	1.57	1.54	1.51
	64.4	26990	26495	26298	26100	1.53	1.47	1.44	1.41

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 30K

AIRFLOW (CFM)	OUTDOOR DB (°F)	TC: TOTAL CAPACITY IN KILOWATTS				PI:TOTAL POWER IN KILOWATTS			
		Indoor Conditions (DB °F)				Indoor Conditions (DB °F)			
		60.8	68.0	71.6	75.2	60.8	68.0	71.6	75.2
712	-22.0	14629	14437	14373	14309	1.80	1.85	1.85	1.86
	-10.0	16832	16612	16538	16465	2.10	2.17	2.16	2.18
	0.0	18668	18424	18342	18261	2.36	2.43	2.43	2.45
	5.0	19650	19393	19307	19221	2.50	2.58	2.57	2.60
	14.0	20982	20708	20616	20524	2.67	2.75	2.74	2.77
	17.0	21982	21694	21598	21502	2.83	2.92	2.91	2.94
	22.0	22684	22387	22288	22189	2.79	2.84	2.87	2.90
	27.0	23378	23080	22981	22783	2.74	2.79	2.81	2.84
	32.0	23774	23477	23279	23180	2.69	2.74	2.76	2.78
	37.0	25062	24665	24566	24368	2.65	2.70	2.73	2.75
	42.0	27142	26845	26647	26448	2.62	2.67	2.69	2.72
	44.6	29432	29110	28417	28219	2.60	2.64	2.67	2.70
	52.0	30892	30496	30298	30001	2.54	2.58	2.60	2.62
	57.0	32180	31684	31486	31288	2.50	2.54	2.56	2.58
	62.0	33467	32972	32675	32477	2.45	2.49	2.51	2.53
	64.4	34061	33566	33269	33071	2.43	2.47	2.49	2.50
806	-22.0	14949	14758	14694	14630	1.81	1.87	1.86	1.88
	-10.0	17201	16980	16907	16833	2.13	2.19	2.18	2.21
	0.0	19077	18833	18751	18670	2.38	2.46	2.45	2.48
	5.0	20081	19823	19737	19652	2.53	2.61	2.60	2.62
	14.0	21442	21167	21076	20984	2.70	2.78	2.77	2.80
	17.0	22463	22175	22079	21983	2.86	2.96	2.94	2.97
	22.0	23180	22882	22783	22684	2.82	2.88	2.90	2.93
	27.0	23873	23576	23477	23279	2.76	2.82	2.84	2.87
	32.0	24269	23972	23774	23675	2.72	2.76	2.78	2.81
	37.0	25557	25260	25062	24864	2.68	2.73	2.76	2.77
	42.0	27736	27340	27142	27043	2.65	2.70	2.72	2.75
	44.0	30135	29704	29011	28813	2.63	2.67	2.70	2.73
	52.0	31486	31090	30892	30694	2.57	2.61	2.63	2.65
	57.0	32774	32378	32081	31883	2.52	2.56	2.58	2.60
	62.0	34061	33566	33368	33170	2.48	2.52	2.54	2.56
	64.0	34655	34259	33962	33764	2.46	2.50	2.51	2.53
895	-22.0	15026	14899	14771	14708	1.83	1.89	1.88	1.90
	-10.0	17289	17143	16996	16923	2.14	2.21	2.21	2.23
	0.0	19175	19012	18850	18769	2.40	2.48	2.48	2.50
	5.0	20184	20013	19842	19756	2.54	2.63	2.62	2.65
	14.0	21552	21369	21187	21096	2.71	2.81	2.80	2.83
	17.0	22578	22387	22196	22100	2.88	2.98	2.97	3.00
	22.0	23378	23180	22981	22882	2.85	2.90	2.93	2.96
	27.0	24071	23774	23675	23477	2.79	2.84	2.87	2.90
	32.0	24467	24170	24071	23873	2.74	2.78	2.81	2.84
	37.0	25854	25458	25260	25161	2.71	2.76	2.78	2.80
	42.0	28033	27637	27439	27241	2.68	2.73	2.75	2.77
	44.0	30431	30001	29308	29110	2.66	2.70	2.73	2.76
	52.0	31784	31387	31189	30991	2.60	2.64	2.66	2.68
	57.0	33170	32675	32477	32180	2.55	2.60	2.62	2.64
	62.0	34457	33962	33665	33467	2.51	2.55	2.57	2.59
	64.4	35051	34556	34358	34061	2.49	2.53	2.55	2.57

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 36K

AIRFLOW (CFM)	OUTDOOR DB (°F)	TC: TOTAL CAPACITY IN KILOWATTS				PI:TOTAL POWER IN KILOWATTS			
		Indoor Conditions (DB °F)				Indoor Conditions (DB °F)			
		60.8	68.0	71.6	75.2	60.8	68.0	71.6	75.2
865	-22.0	17815	17625	17498	17434	1.91	1.96	1.99	2.02
	-10.0	20498	20279	20133	20060	2.23	2.30	2.34	2.37
	0.0	22734	22491	22329	22248	2.51	2.58	2.62	2.65
	5.0	23930	23674	23504	23419	2.66	2.73	2.78	2.81
	14.0	25552	25279	25098	25007	2.83	2.92	2.96	3.00
	17.0	26769	26483	26293	26197	3.01	3.10	3.15	3.19
	22.0	27872	27574	27376	27277	3.02	3.11	3.16	3.21
	27.0	28963	28566	28368	28269	3.06	3.15	3.20	3.25
	32.0	29558	29260	29062	28864	3.09	3.19	3.24	3.29
	37.0	31343	30947	30748	30550	3.16	3.26	3.31	3.36
	42.0	34220	33823	33625	33327	3.23	3.34	3.39	3.44
	44.6	37246	36814	35923	35626	3.27	3.43	3.43	3.48
	52.0	39189	38694	38397	38200	3.35	3.46	3.51	3.56
	57.0	40970	40476	40179	39882	3.40	3.51	3.57	3.62
	62.0	42752	42158	41861	41564	3.46	3.57	3.63	3.68
	64.4	43642	43049	42752	42356	3.48	3.60	3.65	3.71
971	-22.0	18195	18004	17878	17814	1.93	1.98	2.01	2.04
	-10.0	20935	20716	20570	20497	2.26	2.32	2.36	2.39
	0.0	23219	22976	22814	22733	2.53	2.60	2.65	2.68
	5.0	24440	24185	24014	23929	2.68	2.76	2.80	2.84
	14.0	26097	25824	25642	25551	2.86	2.94	2.99	3.03
	17.0	27340	27054	26863	26768	3.04	3.13	3.18	3.22
	22.0	28467	28169	27971	27872	3.05	3.14	3.19	3.24
	27.0	29558	29161	28963	28864	3.08	3.18	3.23	3.28
	32.0	30252	29856	29657	29459	3.12	3.22	3.27	3.32
	37.0	32038	31641	31443	31244	3.19	3.29	3.34	3.39
	42.0	35013	34517	34319	34121	3.26	3.37	3.42	3.47
	44.6	38146	37606	36616	36418	3.30	3.46	3.46	3.51
	52.0	40080	39486	39288	38991	3.38	3.49	3.54	3.60
	57.0	41861	41267	40970	40773	3.43	3.54	3.60	3.65
	62.0	43642	43049	42752	42455	3.48	3.60	3.66	3.71
	64.4	44533	43939	43642	43346	3.51	3.63	3.68	3.74
1083	-22.0	18407	18153	18089	17962	1.94	2.00	2.03	2.06
	-10.0	21179	20887	20814	20668	2.28	2.34	2.38	2.42
	0.0	23489	23165	23084	22922	2.56	2.63	2.67	2.71
	5.0	24725	24384	24298	24128	2.71	2.79	2.83	2.87
	14.0	26401	26037	25946	25764	2.89	2.97	3.02	3.07
	17.0	27658	27277	27181	26991	3.07	3.16	3.21	3.26
	22.0	28764	28368	28269	28070	3.08	3.17	3.22	3.27
	27.0	29856	29459	29260	29062	3.12	3.21	3.26	3.31
	32.0	30550	30153	29955	29756	3.15	3.25	3.30	3.35
	37.0	32335	31938	31740	31542	3.23	3.33	3.38	3.43
	42.0	35410	34914	34617	34418	3.30	3.40	3.46	3.51
	44.6	38541	38002	37012	36814	3.34	3.50	3.50	3.55
	52.0	40476	39981	39684	39387	3.42	3.53	3.58	3.64
	57.0	42356	41762	41465	41168	3.47	3.59	3.64	3.70
	62.0	44137	43543	43247	42950	3.53	3.64	3.70	3.76
	64.4	45028	44434	44137	43840	3.55	3.67	3.73	3.79

APPLICATION DATA

Unit Selections

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

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

Unit Mounting (Outdoor)

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

Unit leveling - For reliable operation, units should be level in all planes.

Clearance - Minimum clearance (see Fig. 7 — on page 9) must be provided for airflow. The condensing units are designed for free-flow application. Air inlets and outlets should not be restricted.

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

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

System Operating Conditions

OPERATING RANGE MIN/MAX °F / °C

All sizes 6-36 (115V and 208/230V):

- **Cooling: -22/130 (-30/55)**
- **Heating: -22/86 (-30/30)**

NOTE: Without intervention, the unit may continue to run at temperatures outside of the specified operating temperatures. However, operation outside of the specified temperature range may result in decreased performance and may cause damage to the unit.

METERING DEVICES

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

DRAIN CONNECTIONS

Install drains to meet the local sanitation codes.

REFRIGERANT LINES

General refrigerant line sizing:

1. The outdoor units are shipped with a full charge of R410A refrigerant. All charges, line sizing, and capacities are based on runs of 25 ft. (7.6 m). For runs over 25 ft. (7.6 m), review "Long Line Applications:" on page 45 for the proper charge adjustments.
2. Refrigerant lines should not be buried in the ground. If it is necessary to bury the lines, do not bury more than 36-in (914 mm). Provide a minimum 6-in (152 mm) vertical rise to the service valves to prevent refrigerant migration.
3. Both lines must be insulated. Use a minimum of 1/2-in. (12.7 mm) thick insulation. Closed-cell insulation is recommended in all long-line applications.
4. Special consideration should be given to isolating the interconnecting tubing from the building structure. Isolate the tubing so vibration or noise is not transmitted into the structure.

Long Line Applications:

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

Additional Charge Table

UNIT SIZE	TOTAL LINE LENGTH ft (m)		ADDITIONAL CHARGE, oz/ft. ft (m)			
	Min	Max	10-25 (3-8)	>25-82 (8-25)	>82-98 (25-30)	>98-213 (30-65)
6	10 (3)	82 (25)	None	0.16		
9						
12						
18		98 (30)			0.16	
24		164 (50)		0.32		
30						
36		213 (65)				

CAUTION

When the outdoor unit is matched with a Multi-Family or Residential Fan Coil and due the need to braze the piping on the fan coil side it is **REQUIRED** to flow Nitrogen in the system while brazing the line set since a filter drier is not recommended to be used with these condensing units.

WIRING

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

Recommended Connection Method for Power and Communication Wiring:

The main power is supplied to the outdoor unit. The field supplied 14/3 power/communication wiring, from the outdoor unit to the indoor unit, consists of four (4) wires and provides the power for the indoor unit. Two wires are high voltage AC power, one is communication wiring and the other is a ground wire. Wiring between indoor and outdoor unit is polarity sensitive. The use of BX wire is **NOT** recommended.

If installed in a high Electromagnetic field (EMF) area and communication issues exists, a 14/2 stranded shielded wire can be used to replace L2 and (S) between outdoor unit and indoor unit landing the shield onto ground in the outdoor unit only.

CAUTION

EQUIPMENT DAMAGE HAZARD

Failure to follow this caution may result in equipment damage or improper operation.

CAUTION

EQUIPMENT DAMAGE HAZARD

Failure to follow this caution may result in equipment damage or improper operation.

Be sure to comply with local codes while running wire from the indoor unit to the outdoor unit.

Every wire must be connected firmly. Loose wiring may cause the terminal to overheat or result in unit malfunction. A fire hazard may also exist. Ensure all wiring is tightly connected.

No wire should touch the refrigerant tubing, compressor or any moving parts.

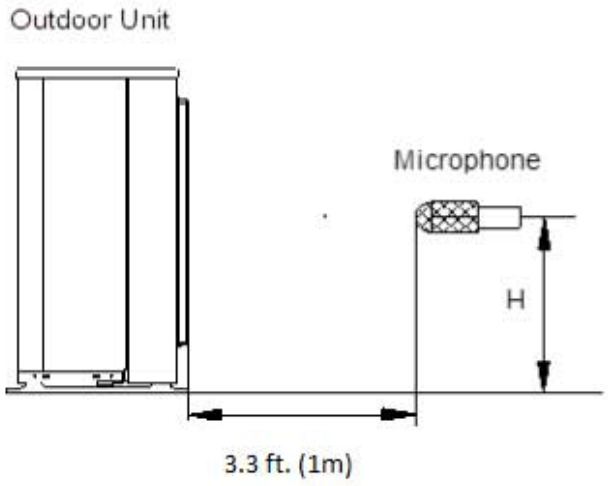
Disconnecting means must be provided and shall be located within sight and readily accessible from the air conditioner.

NOTE: Matches with Multi-Family and Residential Fan Coils require separate power for the indoor and outdoor unit. A 24V interface kit is required for compatibility. Refer to the 24V Interface Kit Installation Manual.

Sound Pressure in Octave Bands

	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
12 K (115 V)	Cooling dB(A)	58.5	55.9	58.1	51.1	46.0	41.4	34.8	28.6
	Heating dB(A)	58.8	57.4	57.4	53.6	47.3	43.5	37.2	31.9
	Indoor dB(A)	40.8	33.0	34.3	34.1	33.7	26.6	19.4	14.1
6K (208V)	Cooling dB(A)	57.5	53.2	56.9	49.6	45.2	41.4	36.5	31
	Heating dB(A)	57.3	53.2	58.4	51.2	46.1	43.6	38.5	34.9
	Indoor dB(A)	38.1	30.9	33.6	33.5	31.7	25.9	22.6	16.7
9K (208V)	Cooling dB(A)	53.1	51.2	52.6	49.5	40.1	36.5	29.1	26.3
	Heating dB(A)	57.6	55.0	52.3	50.1	45.5	42.2	36.8	30.0
	Indoor dB(A)	45.2	38.8	38.1	40.8	38.9	35.1	24.0	14.8
12K (208V)	Cooling dB(A)	54.4	55.4	51.6	52.6	42.1	37.9	31.5	30.1
	Heating dB(A)	63.7	59.9	55.4	52.2	48.7	45.1	39.1	34.8
	Indoor dB(A)	39.5	31.0	33.3	32.5	31.5	23.9	17.9	14.4
18K (208V)	Cooling dB(A)	56.5	60.8	56.2	53.3	51.8	46.0	38.1	33.2
	Heating dB(A)	58.8	63.5	57.9	54.3	51.7	45.0	38.9	31.2
	Indoor dB(A)	39.5	41.5	41.9	41.6	43.0	37.5	33.5	21.4
24K (208V)	Cooling dB(A)	68.3	69.2	62.9	56.3	54.6	50.4	46.5	41.3
	Heating dB(A)	65.9	68.6	65.3	58.7	57.5	53.8	48.5	44.5
	Indoor dB(A)	44.3	38.8	42.9	39.4	40.5	34.5	26.2	25.6
30K (208V)	Cooling dB(A)	62.4	58.3	56.8	55.4	51.4	45.5	42.5	35.1
	Heating dB(A)	62.5	58.4	57.5	54.6	52.4	48.4	45.0	38.7
	Indoor dB(A)	47.2	38.9	45.8	42.3	42.2	37.6	28.4	23.8
36K (208V)	Cooling dB(A)	56.8	61.8	61.4	54.4	50.7	45.3	43.2	37.1
	Heating dB(A)	58.4	65.0	62.9	57.0	54.9	50.5	46.9	42.3
	Indoor dB(A)	43.5	40.6	45.6	42.2	41.9	37.3	28.6	21.5

Outdoor Unit Sound Pressure Test Conditions



A220462

Fig. 9 —Outdoor Unit Sound Pressure Test

NOTE: H=0.5 x Height of outdoor unit

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

ELECTRICAL DATA

SYSTEM SIZE	12 K	9K/6K	12K	18K	24K	30K	36K
V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power supply	3Wires: includes ground wire (Outdoor); 115V-1Ph-60Hz, 208/230V-1Ph-60Hz						
Interconnection to Indoor Unit	Yes						
Shielded Wire (Yes/No)	Yes						

*Permissible limits of the voltage range at which the unit will operate satisfactorily.

LEGEND

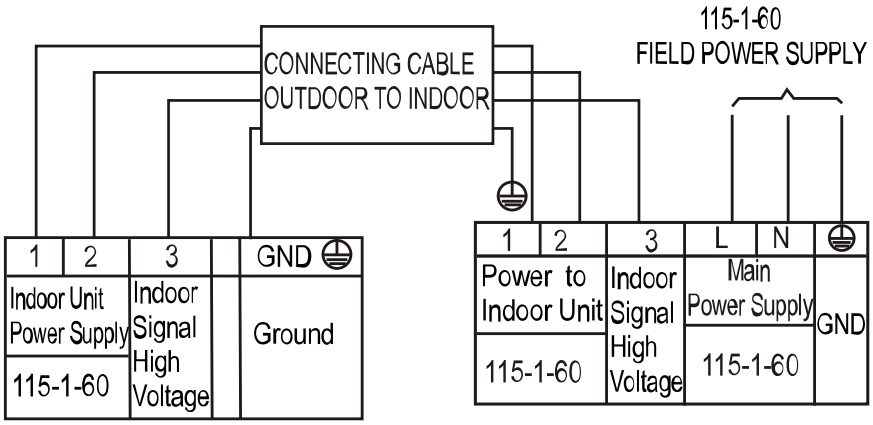
FLA - Full Load Amps
MCA - Minimum Circuit Amps
RLA - Rated Load Amps

Fan and Motor Specifications

SYSTEM SIZE		12K	6K	9K	12K	18K	24K	30K	36K
		(115 V)	(208/230 V)	(208/230 V)	(208/230 V)	(208/230 V)	(208/230 V)	(208/230 V)	(208/230 V)
Material	-	Acrylonitrile Styrene +20%GF	Acrylonitrile Styrene +20%GF	Acrylonitrile Styrene +20%GF	Acrylonitrile Styrene +20%GF	Acrylonitrile Styrene +20%GF	Acrylonitrile Styrene +20%GF	Acrylonitrile Styrene +20%GF	Acrylonitrile Styrene +20%GF
Type	-	ZL-421*133*8-3KN	ZL-421*133*8-3KN	ZL-434*144*8-3KN	ZL-434*144*8-3KN	ZL-535*133*12-3KFN	ZL-560*139*12-3KN	ZL-560*139*12-3KN	ZL-560*139*12-3KN
Diameter	inch	16.58 (421)	16.58 (421)	17.09 (434)	17.09 (434)	21.06 (535)	22.05 (560)	22.05 (560)	22.05 (560)
Height	inch	5.24 (133)	5.24 (133)	5.67(144)	5.67(144)	5.24 (133)	5.47 (139)	5.47 (139)	5.47 (139)
Model	-	ZKFN-34-10-1	ZKFN-34-10-1	ZKFN-34-10-1	ZKFN-34-10-1	ZKFN-80-8-3	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-120-8-2
FLA	A	0.4	0.4	0.4	0.4	0.76	0.5	1.0	1.35
Rated HP	HP	0.045	0.045	0.045	0.045	0.11	0.16	0.16	0.16
Output	W	34	34	34	34	80	120	120	120
Type	-	DC	DC	DC	DC	DC	DC	DC	DC
Insulation class	-	B	B	B	B	E	E	E	E
Safe class	-	IP24	IP24	IP24	IP24	IPX4	IPX4	IPX4	IPX4
Input	W	100.3	100.3	100.3	100.3	120	173	173	173
Range of current	Amps	0.823±10%	0.823±10%	0.823±10%	0.823±10%	1±20%	1.48±10%	1.39±10%	1.39±10%
Rated current	Amps	0.89	0.89	0.89	0.89	0.82	1.21	1.21	1.21
Capacitor	μF	NA	NA	NA	NA	NA	NA	NA	NA
Speed	rev/min	800/700/600	800/700/600	730/660/560	730/660/560	780/700/550	950/800/500	900/700/500	950/700/500 950/700/500‡
Rated RPM	rev/min	800	800	730	730	780	950	900	950
Max. input	W	100.3	100.3	100.3	100.3	120.0	170.0	170.0	170.0

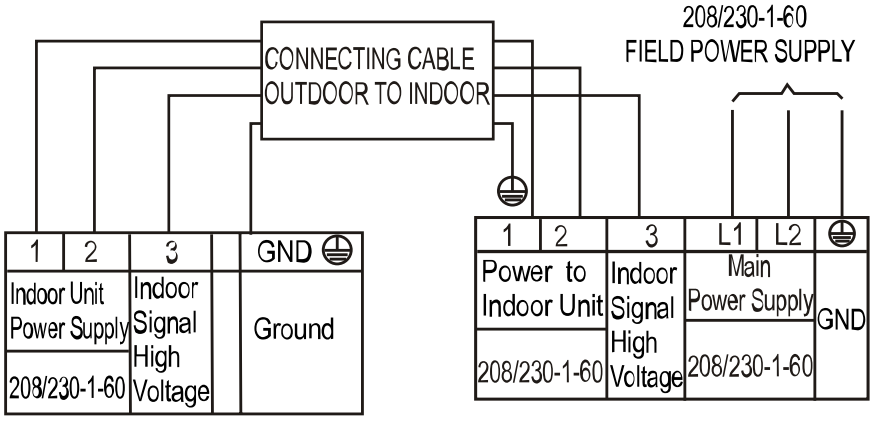
NOTE: ‡ Only Compatible with AHU

CONNECTION DIAGRAMS



A220424

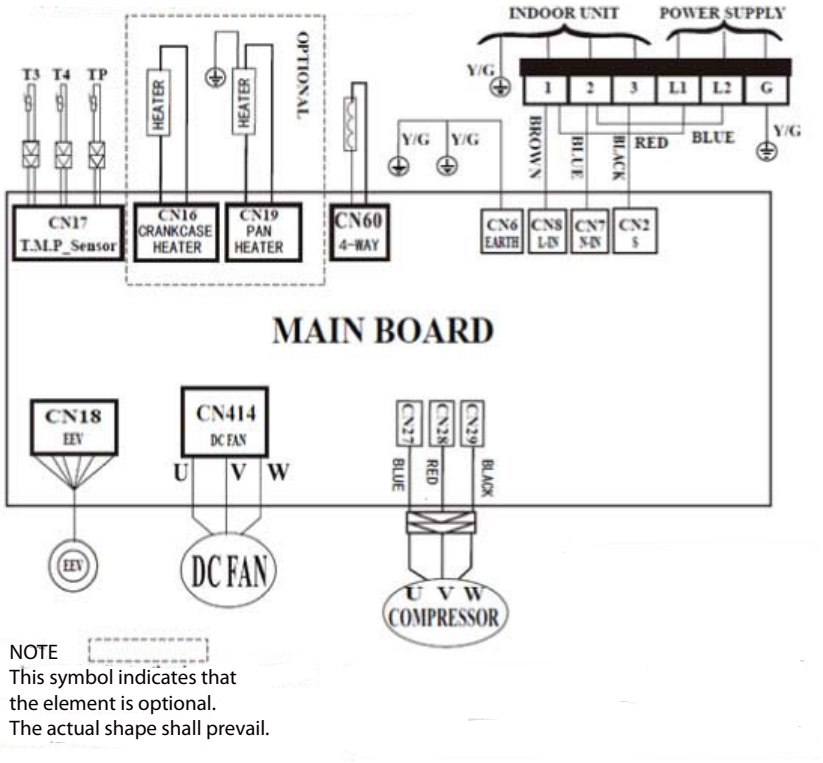
Fig. 10 —Connection Diagram 12K (115V)



A220425

Fig. 11 —Connection Diagram Sizes 6K-36K (208/230-1-60V)

WIRING DIAGRAMS

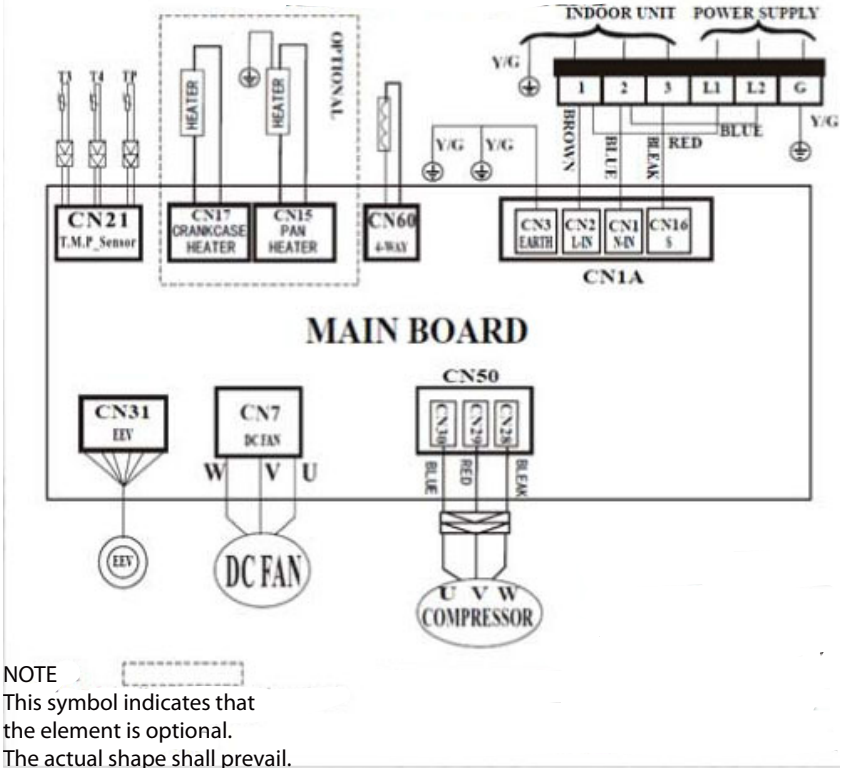


A220426

Fig. 12 —Wiring Diagram Size 12K (115V)

		CN 2/7/8	INPUT	230V	AC
		CN18	OUTPUT	0~12V	DC
		CN414	OUTPUT	0~310V	AC
		CN60	OUTPUT	230V	AC
		CN17	OUTPUT	0~5V	DC
T3	Condenser TEMP. Sensor	CN16	OUTPUT	230V	AC
T4	Ambient TEMP. Sensor	CN19	OUTPUT	230V	AC
TP	Discharge TEMP. Sensor	CN27/28/29	OUTPUT	0~310V	AC

WIRING DIAGRAMS (CONT)

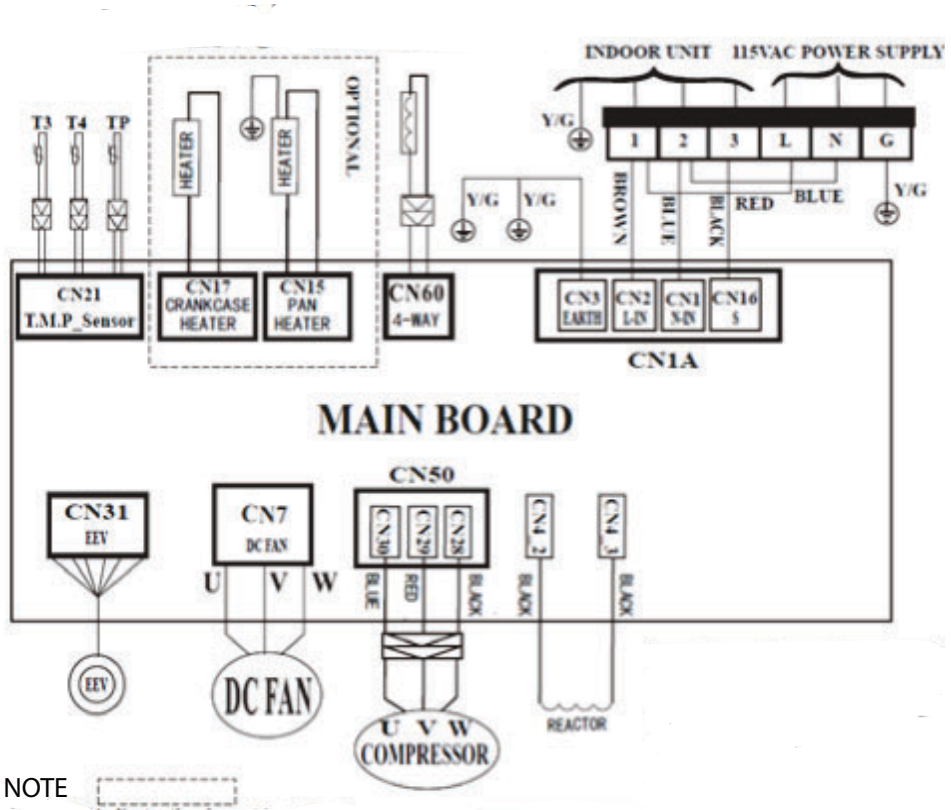


A220427

Fig. 13 — Wiring Diagram - Sizes 6-12K (208/230V)

		CNIA	INPUT	230V	AC
		CN31	OUTPUT	0~12V	DC
		CN7	OUTPUT	0~310V	AC
		CN60	OUTPUT	230V	AC
		CN21	OUTPUT	0~5V	DC
T3	Condenser TEMP. Sensor	CN15	OUTPUT	230V	AC
T4	Ambient TEMP. Sensor	CN17	OUTPUT	230V	AC
TP	Discharge TEMP. Sensor	CN30	OUTPUT	0~310V	AC

WIRING DIAGRAMS (CONTINUED)



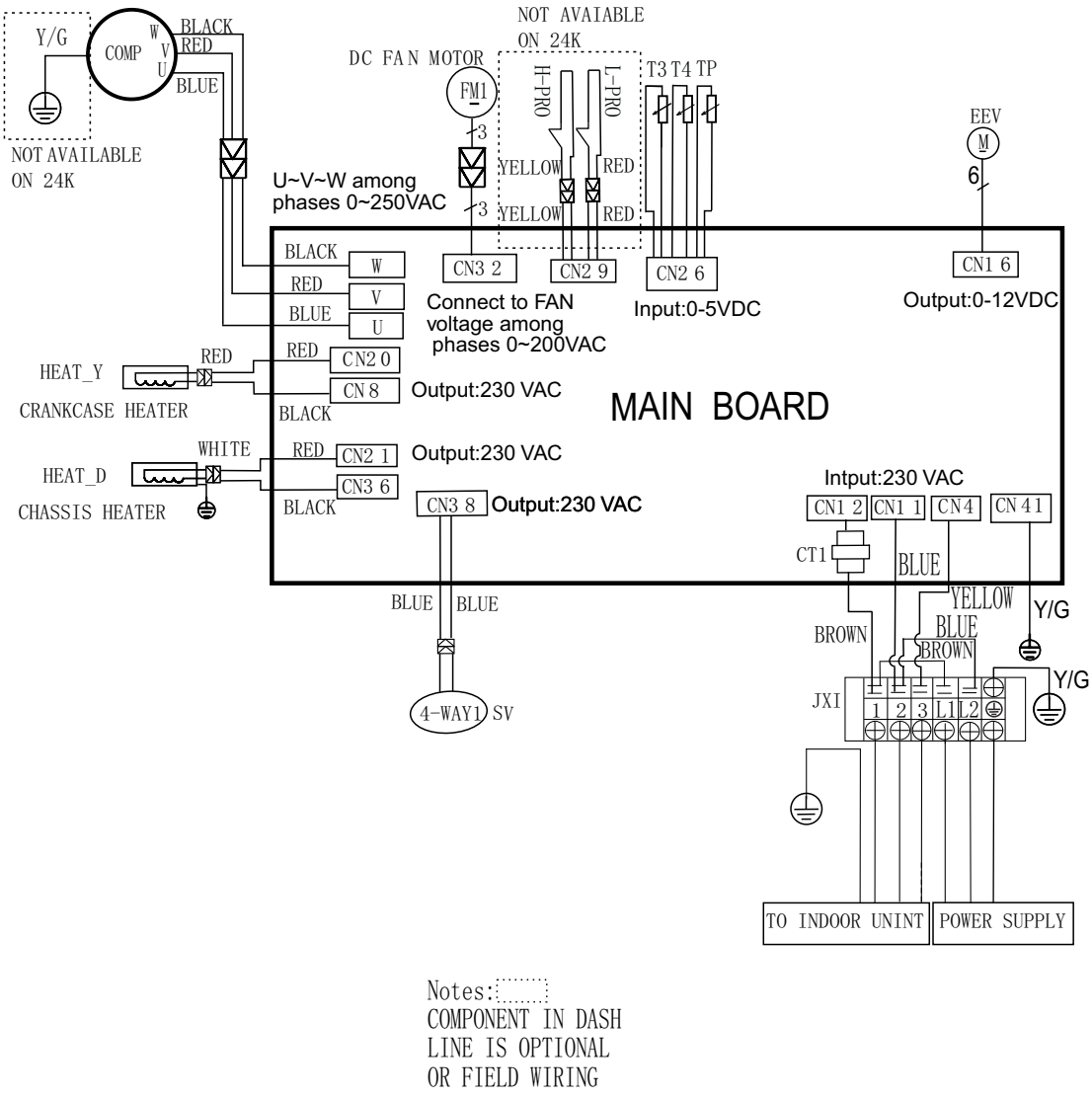
NOTE
This symbol indicates that the element is optional.
The actual shape shall prevail.

A220428

Fig. 14 — Wiring Diagram Size 18K (208/230V)

		CNIA	INPUT	115V	AC
		CN4_2/4_3	INPUT	115V	AC
		CN7	OUTPUT	0~310V	AC
		CN60	OUTPUT	115V	AC
		CN21	OUTPUT	0~5V	DC
T3	Condenser TEMP. Sensor	CN15	OUTPUT	115V	AC
T4	Ambient TEMP. Sensor	CN17	OUTPUT	115V	AC
TP	Discharge TEMP. Sensor	CN50	OUTPUT	0~310V	AC

WIRING DIAGRAMS (CONTINUED)



A220429

Fig. 15 — Wiring Diagram Sizes 24-36K (208/230V)

CODE	PART NAME
JX1	TERMINAL BLOCK
COMP_TOP	COMP. TOP OLP TEMP. SENSOR
EEV	ELECTRIC EXPANSIVE VALVE
FM1	DC FAN MOTOR
COMP	COMPRESSOR
HEAT_Y	CRAKCASE HEATER
CT1	AC CURRENT DETECTOR
H-PRO	HIGH PRESSURE SWITCH
L-PRO	LOW PRESSURE SWITCH
SV	REVERSE VALVE
TP	COMP. DISCHARGE TEMP. SENSOR
T3	COIL TEMP. SENSOR
T4	OUTDOOR AMBIENT TEMP. SENSOR
HEAT_D	CHASIS HEATER

GUIDE SPECIFICATIONS

HORIZONTAL DISCHARGE OUTDOOR UNITS

Size Range: 1/2 to 3 Ton Nominal Cooling and Heating Capacity Model Number: **38MARB**

Part 1 - GENERAL

1.01 System Description

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

1.02 Agency Listings

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

1.03 Delivery, Storage, And Handling

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

1.04 Warranty (For Inclusion By Specifying Engineer)

Part 2 - PRODUCTS

2.01 Equipment

A. **General:**

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

B. **Unit Cabinet:**

1. Unit cabinet is constructed of galvanized steel, bonderized and coated with a baked-enamel finish on the inside and outside.
2. Unit access panels is removable with minimal screws and provides full access to the compressor, fan, and control components.
3. The outdoor compartment is isolated and has an acoustic lining to assure quiet operation.

C. **Fans:**

1. Outdoor fans are the direct drive propeller type, and discharges air horizontally. Fans draw air through the outdoor coil.
2. Outdoor fan motors are totally enclosed, single phase motors with class E insulation and permanently lubricated ball bearings. The motor shall be protected by internal thermal overload protection.
3. The shaft has inherent corrosion resistance.
4. Fan blades are non-metallic and statically and dynamically balanced.
5. Outdoor fan openings are equipped with a PVC metal/mesh coated protection grille over the fan.

D. Compressor:

1. Compressor is the fully hermetic rotary type.
2. Compressor is equipped with an oil system, operating oil charge, and a motor.
3. Motor is NEMA rated class E, suitable for operation in a refrigerant atmosphere.
4. Compressor assembly is installed on rubber vibration isolators.

E. Outdoor Coil:

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

F. Refrigeration Components:

Refrigerant circuit components include a brass external liquid line service valve with service gage port connections, a suction line service valve with a service gage connection port, service gage port connections on compressor suction and discharge lines with Schrader type fittings with brass caps, accumulator, reversing valve.

G. Controls and Safeties:

Operating controls and safeties are factory selected, assembled, and tested. The minimum control functions include the following:

1. Controls:
   - **A time delay control sequence is provided standard through the fan coil board**
   - **Automatic outdoor fan motor protection.**
2. Safeties:
   - **System diagnostics**
   - **Compressor motor current and temperature overload protection**
   - **Outdoor fan failure protection.**

H. Electrical Requirements:

1. Unit operates on single-phase, 60 Hz power at 115V for unit size 12 and 208/230V for unit sizes 06, 09, 12, 18, 24, 30, 36, and 36 (AHU Only) as specified.
2. Unit electrical power has a single point connection.
3. Unit Control voltage to the indoor fan coil is 0-15V DC.
4. All power and control wiring must be installed per NEC and all local electrical codes.
5. The unit has high and low voltage terminal block connections.

Edition Date: 09/22

Catalog No: 38MARB-08PD

Replaces: 38MARB-07PD