



60 Hz AIR CONDITIONING CONDENSING UNIT

208/230 Volt, 1-phase, 60 Hz in 1½ – 5 tons

208/230 Volt, 3-phase, 60 Hz in 3, 4, 5 tons

REFRIGERATION CIRCUIT

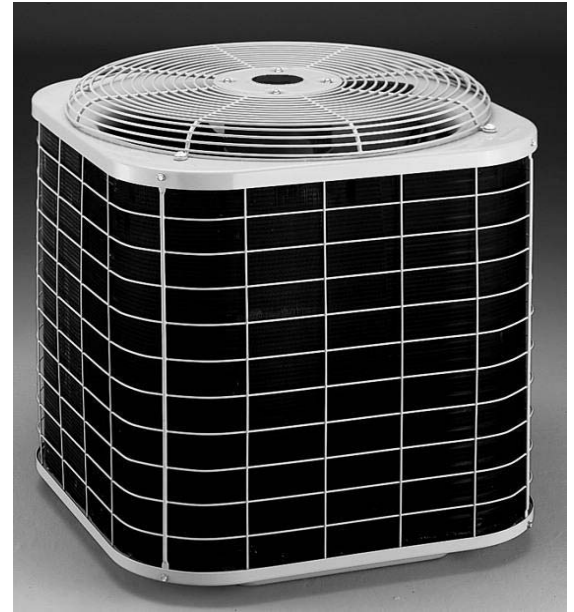
- High efficiency compressors – durable, proven technology
- Copper tube / aluminum fin coil
- Approved for operation to 52 °C outdoor ambient

BUILT TO LAST

- Triple-step paint process over galvanized steel – one of the toughest finishes in the industry
- Epoxy-Phenolic coated fins for enhanced corrosion protection

EASY TO INSTALL AND SERVICE


- External service valves with gauge ports
- Low profile rectangular design makes site placement easy
- Factory charged with R-22 refrigerant



MODEL NUMBER IDENTIFICATION GUIDE											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	N	2	A	E	18	A	K	A	1	0	0
N = Tempstar	BRANDING										
2 = R-22	REFRIGERANT										
A = Air Conditioner											
H = Heat Pump			TYPE								
E = Export				TYPE							
18 = 18,000 BTUH = 1½ tons											
24 = 24,000 BTUH = 2 tons											
30 = 30,000 BTUH = 2½ tons											
36 = 36,000 BTUH = 3 tons											
42 = 42,000 BTUH = 3½ tons											
48 = 48,000 BTUH = 4 tons											
60 = 60,000 BTUH = 5 tons					NOMINAL CAPACITY						
A = Standard											
P = High and Low Pressure Switches Factory Installed					FEATURES						
K = 208/230-1-60											
H = 208/230-3-60											
W = 230-1-50											
Z = 400-3-50						VOLTAGE					
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											


UNIT SPECIFICATIONS							
Base Model	18-AKA	24-AKA	30-AKA	36-AKA	42-AKA	48-AKA	60-AKA
Electrical Data							
Volts-Phase-Hz.	208/230-1-60						
Voltage Utilization Range	197 - 253						
Minimum Circuit Ampacity	12.1	15.5	18.4	21.4	26.0	29.5	37.5
Compressor							
Quantity - Type	1 - Reciprocating				1 - Scroll		
Model Number	H29B16	H29B22	H29B28	H29B33	CR42K6	ZR47KC	ZR61K3
Rated Load Amps	9.0	11.6	14.1	16.0	19.7	22.5	28.8
Locked Rotor Amps	48	60	73	82	102	131	148
Fan							
HP	1/8	1/6	1/10	1/4	1/5	1/4	1/4
Full Load Amps	0.8	1.0	0.8	1.4	1.4	1.4	1.4
Motor Dia. (in / mm)	5.7 / 145						
RPM	1500	1500	1100	1100	1100	1100	1100
Airflow (CFM) (l/s)	1500 708	1600 755	2000 944	2500 1180	2500 1180	2500 1180	3400 1605
Coil							
Face Area (ft ²) (m ²)	6.2 0.57	6.8 0.63	7.4 0.69	8.3 0.77	10.7 0.99	12.4 1.15	18.5 1.71
Fins per inch - rows	20 - 1	22 - 1	20 - 1	25 - 1	22 - 1	25 - 1	25 - 1
Tube Diameter (in)	3/8						
Refrigerant							
Type	R-22						
Shipping Charge (lb) (kg)	3.30 1.50	3.65 1.66	4.25 1.93	4.60 2.09	5.13 2.33	6.25 2.83	7.19 3.26
Operating Charge line length	15 ft / 4.6 m						
Connection size, liquid-suction (in)	3/8 - 5/8	3/8 - 5/8	3/8 - 3/4	3/8 - 3/4	3/8 - 7/8	3/8 - 7/8	3/8 - 7/8
Piston Identification Number*	52	59	65	73	82	82	90
Unit							
Sound Level (predicted at 1 m)	80 dBA	80 dBA	80 dBA	82 dBA	82 dBA	82 dBA	82 dBA
Shipping Wt. (lb) (kg)	118 53.5	120 54.4	129 58.5	134 60.8	147 66.7	175 79.4	238 108.0
Height (in / mm)	22 / 557	24 / 608	22 / 557	24 / 608	28 / 710	34 / 862	30 / 760
Width (in) (mm)	18 457	18 457	22.5 572	22.5 572	22.5 572	22.5 572	30 762
Depth (in) (mm)	18 457	18 457	22.5 572	22.5 572	22.5 572	22.5 572	30 762

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

AVAILABLE MATCHES	18-AKA	24-AKA	30-AKA	36-AKA	42-AKA	48-AKA	60-AKA
Standard Ducted Fan Coil 	FS(M,U) 2X18	FS(M,U) 2X24	FS(M,U) 2X30	FS(M,U) 2X36	FS(M,U) 2X42	FS(M,U) 2X48	FS(M,U) 2X60
	FS(M,U) 2X24	FS(M,U) 2X30	FS(M,U) 2X36	FS(M,U) 2X42	FS(M,U) 2X48	FS(M,U) 2X60	

UNIT SPECIFICATIONS				
Base Mode		36-AHA	48-AHA	60-AHA
Electrical Data	Volts-Phase-Hz	208/230-3-60		
	Voltage Utilization Range	187 - 253		
	Minimum Circuit Ampacity	13.9	17.4	21.4
Compressor	Quantity - Type	1-Recip	1- Scroll	
	Copeland Model Number	CR32K6	ZR47KC	ZR61K3
	Rated Load Amps	10.0	12.8	18.3
	Locked Rotor Amps	70	91	137
Fan	HP	1/5	1/4	1/4
	Full Load Amps	1.4	1.4	1.4
	Diameter (in / mm)	5.7 / 145		
	RPM	1100		
	Airflow (CFM / l/sec)	2500 / 1180		3400 / 1605
Coil	Face Area (ft ² / m ²)	9.1 / 0.84	12.4 / 1.15	18.5 / 1.71
	Fins per inch - rows	25 - 1		
	Tube Diameter (in)	3/8		
Refrigerant	Type	R-22		
	Shipping Charge (lb / kg)	5.0 / 2.27	6.25 / 2.83	7.19 / 3.26
	Operating Charge line length	15 ft / 4.6 m		
	Connection size, liquid - suction (in)	3/8 - 3/4	3/8 - 7/8	3/8 - 7/8
	Piston Identification Number*	70	82	90
Unit	Sound Level (predicted at 1 m)	82 dBA	82 dBA	82 dBA
	Shipping Weight (lb / kg)	140 / 63.5	175 / 79.4	238 / 108.0
	Height (in / mm)	26 / 659	34 / 862	30 / 760
	Width (in / mm)	22.5 / 572	22.5 / 572	30 / 762
	Depth (in / mm)	22.5 / 572	22.5 / 572	30 / 762

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

AVAILABLE MATCHES		36-AHA	48-AHA	60-AHA
Standard Ducted Fan Coil 	FS(M,U)2X36	FS(M,U)2X48	FS(M,U)2X60	
	FS(M,U)2X42	FS(M,U)2X60		

DESIGN CONSIDERATIONS
Minimum outdoor operating temperature without low ambient control accessory = 55 °F / 12.8 °C.
Maximum outdoor ambient operating temperature for continuous operation = 125 °F / 52 °C.
Consult Long Line Application Guideline when vertical separation between indoor and outdoor unit is greater than 20 ft / 6.1 m.
Factory refrigerant connection sizes good for up to 80 ft / 24.4 m line length.
Consult Long Line Application Guideline for line lengths beyond 80 ft / 24.4 m.
Units designed and manufactured in accordance with Underwriters Laboratories UL1995.
Factory installed orifice expansion device in the indoor unit is suitable for matched indoor/outdoor.
If indoor/outdoor units are mix-matched, change indoor unit orifice to the one supplied with the outdoor unit.

Accessories

PART NO.	DESCRIPTION
KSAHS1001AAA	Start Assist – Capacitor/Relay – Sizes 018, 024
KSAHS1301AAA	Start Assist – Capacitor/Relay – Size 030, 036 (7A)
KSAHS1601AAA	Start Assist – Capacitor/Relay – Size 048 (7A)
KAACS0101PTC	Start Assist – PTC – Sizes 018, 024
KAACS0201PTC	Start Assist – PTC – Sizes 030, 036, 048 (7A)
KAALS0101LLS*	Liquid Solenoid Valve – All Sizes
KSACY0101AAA	Cycle Protector – All Sizes
KAAWS0101AAA	Winter Start Control – All Sizes
KAAFT0101AAA	Evaporator Freeze Thermostat – All Sizes
KAATD0101TDR	Time-Delay Relay – All Sizes
KSASF0101AAA	Support Feet – All Sizes
KAACH1001AAA	Crankcase Heater – Sizes 018, 024, 030, 036 (7A)
KAACH1101AAA	Crankcase Heater – Sizes 036 (9A)
KAACH1201AAA	Crankcase Heater – Size 048 (7A)
KAACH1301AAA	Crankcase Heater – Sizes 042, 048 (9A), 060
KAACF0701SML	Coastal Filter – Size 018
KAACF1001MED	Coastal Filter – Sizes 024, 030, 036
KAACF1101LRG	Coastal Filter – Sizes 042, 048, 060
KAATX0201RPB	Thermostatic Expansion Valve (RPB) – Size 018
KAATX0301RPB	Thermostatic Expansion Valve (RPB) – Size 024
KAATX0401RPB	Thermostatic Expansion Valve (RPB) – Size 030
KAATX0501RPB	Thermostatic Expansion Valve (RPB) – Size 036, 042
KAATX0601RPB	Thermostatic Expansion Valve (RPB) – Size 048
KAATX0701RPB	Thermostatic Expansion Valve (RPB) – Size 060
KSATX0601HSO*	Thermostatic Expansion Valve (Hard Shutoff) – Sizes 018, 024, 030, 036, 042
KSATX0701HSO*	Thermostatic Expansion Valve (Hard Shutoff) – Size 048
KSATX1001HSO*	Thermostatic Expansion Valve (Hard Shutoff) – Size 060
KSALA0201R22	Low-Ambient Pressure Switch (R22) – All Sizes
KSALA0401AAA	MotorMaster® Control – 024, 030, 036 (7A), 048 (7A)
KSALA0501AAA	MotorMaster® Control – 036 (9A), 042, 048 (9A), 060
KH45LD060	Filter Drier – 018-042
KH45LE062	Filter Drier – 048, 060

* Do not use hard shutoff TXV with liquid solenoid valve.

Accessory Usage Guideline

ACCESSORY	REQUIRED FOR LOW-AMBIENT APPLICATION* (Below 55 °F / 12.8 °C)	REQUIRED FOR LONG-LINE APPLICATIONS* (Over 80 Ft / 24.4 m)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 Mi / 3.2 km)
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Winter Start Control	Yes†	No	No
Accumulator	No	No	No
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Low Ambient Controller or MotorMaster® Control	Yes	No	No
Wind Baffle	See low-ambient Instructions	No	No
Coastal Filter	No	No	Yes
Support Feet	Recommended	No	Recommended
Liquid-Line Solenoid Valve or Hard Shutoff TXV	No	See Long-Line Application Guideline	No

* For tubing line sets longer than 80 ft (24.4 m), refer to Long Line Application Guideline.

† Only when low-pressure switch is used.

Accessory Description and Usage (listed alphabetically)

1. Coastal Filter

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

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

2. Compressor Start Assist – Capacitor/Relay Type

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

SUGGESTED USE: Installations where interconnecting tube length exceeds 50 ft (15.24 m).
Installations where outdoor design temperature exceeds 105 °F (40.6 °C).
Replacement installations with hard shutoff expansion valve on indoor coil.

3. Compressor Start Assist – PTC Type

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

SUGGESTED USE: Installations with marginal power supply.
Replacement installations with rapid pressure balance (RPB) expansion valve on indoor coil.

4. Crankcase Heater

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

SUGGESTED USE: When interconnecting tube length exceeds 50 ft (15.24 m).
When unit will be operated below 55 °F (12.8 °C) outdoor air temperature. (Use with low-ambient controller.)
All commercial installations.

5. Cycle Protector

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

SUGGESTED USE: Installations in areas where power interruptions are frequent.
Where user is likely to “play” with the room thermostat.
All commercial installations.
Installations where interconnecting tube length exceeds 50 ft (15.24 m).
High-rise applications.

6. Evaporator Freeze Thermostat

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

SUGGESTED USE: All units where winter start control has been added.

7. Liquid Solenoid Valve (LSV)

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

NOTE: Compressor start assist – capacitor/relay type must also be used.

SUGGESTED USE: For improved system performance in air conditioners for certain combinations of indoor and outdoor units. (Refer to ARI Unitary Directory.)
In certain long-line applications. Refer to Residential Split System Long-Line Application Guideline.

8. Low-Ambient Pressure Switch

A long-life pressure switch that maintains head pressure by turning the fan OFF and ON.

SUGGESTED USE: Cooling operation at outdoor temperatures below 55 °F.
All commercial applications.

9. MotorMaster® Control

A fan speed control device activated by a temperature sensor. Designed to control condenser fan motor speed in response to the saturated condensing temperature during operation in cooling mode only. For outdoor temperatures down to -20 °F (-28.9 °C), it maintains condensing temperature at 100 °F ± 10 °F (37.8 °C ± 12.2 °C).

SUGGESTED USE: Cooling operation at outdoor temperatures below 55 °F (12.8 °C).
All commercial installations.

10. Support Feet

Four stick-on plastic feet which raise the unit 4 in. (10.16 cm) above the mounting pad. This allows sand, dirt, and other debris to be flushed from the unit base; minimizes corrosion.

SUGGESTED USE: Coastal installations.
Windy areas or where debris is normally circulating.
Rooftop installations.

11. Thermostatic Expansion Valve (TXV)

A modulating flow-control valve which meters refrigerant liquid flow rate into the evaporator in response to the superheat of the refrigerant gas leaving the evaporator. Kit includes valve, adapter tubes, and external equalizer tube. Both hard shutoff and RPB valves are available.

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

12. Time-Delay Relay

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

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

13. Winter Start Control

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

SUGGESTED USE: All air conditioners where low-ambient controller has been added.

Electrical

MODEL SIZE-SERIES	V-Phase	OPERATING VOLTS*		COMPRESSOR		FAN FLA	MIN WIRE SIZE 60 / 75 °C**	MAX WIRE LENGTH (Ft / m)		MCA	MAX FUSE OR CKT BKR AMPS†
		Max	Min	LRA	RLA			60 °C‡	75°C‡		
18-AKA	208/230-1	253	197	48.0	9.0	0.8	14 / 14	61 / 18.6	58 / 17.7	12.1	20
24-AKA				60.0	11.6	1.0	14 / 14	49 / 14.9	47 / 14.3	15.5	20
30-AKA				73.0	14.1	0.8	14 / 14	41 / 12.5	39 / 11.9	18.4	30
36-AKA				82.0	16.0	1.4	12 / 12	58 / 17.7	55 / 16.8	21.4	30
42-AKA				102.0	19.7	1.4	10 / 10	75 / 22.9	73 / 22.3	26.0	40
48-AKA				131.0	22.5	1.4	8 / 10	104 / 31.7	63 / 19.2	29.5	50
60-AKA				165.0	28.9	1.4	8 / 8	82 / 25.0	78 / 23.8	37.5	60
36-AHA	208/230-3	253	187	70.0	10.0	1.4	14 / 14	65 / 19.8	62 / 18.9	13.9	20
48-AHA				91.0	12.8	1.4	14 / 14	52 / 15.8	49 / 14.9	17.4	30
60-AHA				125.0	16.0	1.4	12 / 12	66 / 20.1	63 / 19.2	21.4	30

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

** If wire is applied at ambient greater than 30 °C (86 °F), consult Table 310-16 of the NEC (ANSI/NFPA 70). The ampacity of nonmetallic-sheathed cable (NM), trade name ROMEX, shall be that of 60 °C (140 °F) conductors, per the NEC (ANSI/NFPA 70) Article 336-26. If other than uncoated (non-plated), 60 or 75 °C (140 or 167 °F) insulation, copper wire (solid wire for 10 AWG and smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (ANSI/NFPA 70).

† Time-delay fuse.

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

FLA = Full Load Amps

LRA = Locked Rotor Amps

MCA = Minimum Circuit Amps

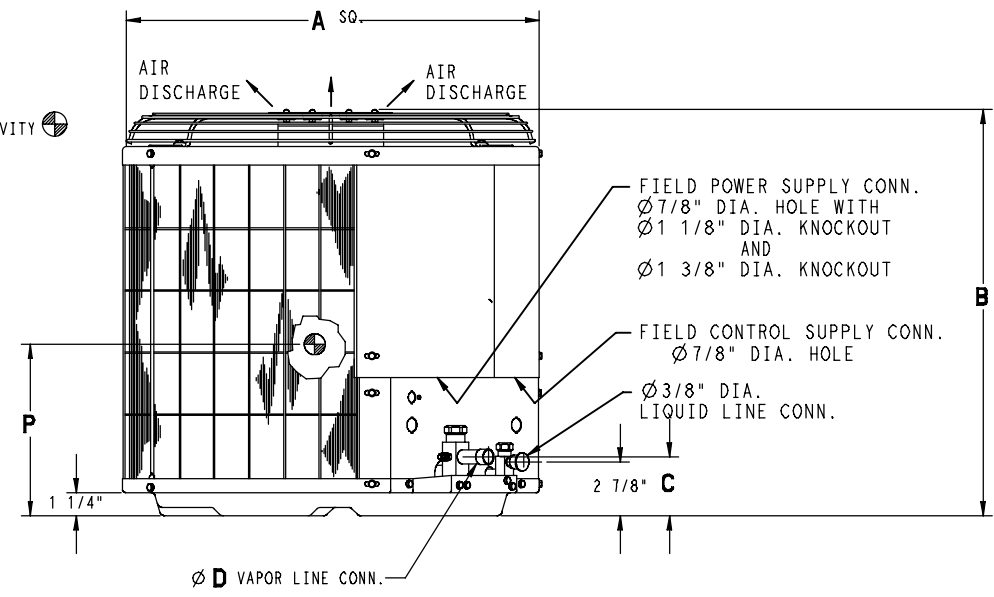
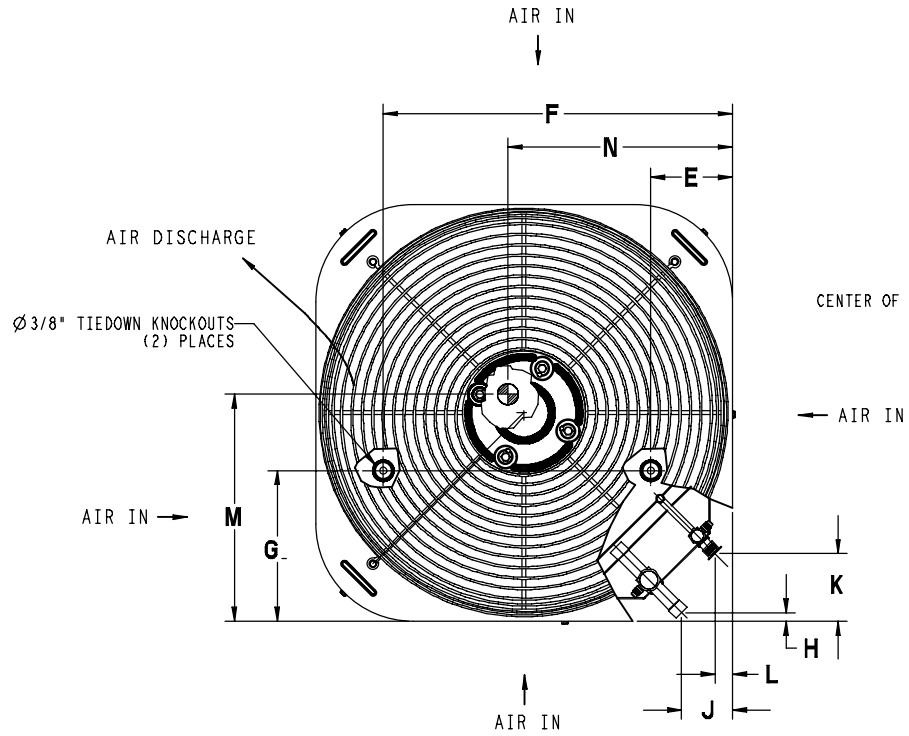
RLA = Rated Load Amps

NOTES:

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

8 Dimensions

MODEL SIZE	MINIMUM MOUNTING PAD DIMENSIONS (mm)	MINIMUM MOUNTING PAD DIMENSIONS (In.)
18, 24	457.2 x 457.2	18 x 18
30, 36, 42, 48	571.5 x 571.5	22½ x 22½
60	762.0 x 762.0	30 x 30



NOTES:

1. Allow 30 In. (762.0 mm) clearance to service side of unit, 48 In. (1219.2 mm) above unit, 6 In. (152.4 mm) on one side, 12 In. (308.8mm) on remaining side, and 24 In. (609.6 mm) between units for proper airflow.
2. Minimum outdoor operating ambient in cooling mode is 55 °F(13 °C), max 125 °F(52 °C).
3. Center of gravity dimensions M, N, P.

Dimensions – continued

MODEL SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
18	457.2	557.2	81.0	15.9	76.2	381.0	198.4	6.3	42.9	47.6	6.3	244.5	257.2	238.1
24	457.2	608.8	81.0	15.9	76.2	381.0	198.4	6.3	42.9	47.6	6.3	244.5	257.2	241.3
30	571.5	557.2	81.0	19.1	93.7	460.4	206.4	11.1	69.8	74.6	6.3	298.4	308.0	273.1
36 – AKA	571.5	608.0	81.0	19.1	93.7	460.4	206.4	11.1	69.8	74.6	6.3	298.4	308.0	279.4
36 – AHA	571.5	658.0	81.0	19.1	93.7	460.4	206.4	11.1	69.8	74.6	6.3	298.4	308.0	292.1
42	571.5	709.6	82.6	22.2	93.7	460.4	206.4	11.1	69.8	74.6	6.3	298.4	308.0	304.8
48	571.5	862.0	82.6	22.2	93.7	460.4	206.4	11.1	69.8	74.6	6.3	298.4	308.0	381.0
60	762	760.4	82.6	22.2	165.1	596.9	254.0	11.1	69.8	74.6	6.3	406.4	368.3	355.6
MODEL SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
18	18	22	3 ³ / ₁₆	5/8	3	15	7 ¹³ / ₁₆	¼	1 ¹ / ₁₆	1 ⁷ / ₈	¼	9 ⁵ / ₈	10 ¹ / ₈	9 ³ / ₈
24	18	24	3 ³ / ₁₆	5/8	3	15	7 ¹³ / ₁₆	¼	1 ¹ / ₁₆	1 ⁷ / ₈	¼	9 ⁵ / ₈	10 ¹ / ₈	9 ¹ / ₂
30	22½	22	3 ³ / ₁₆	3/4	3 ¹ / ₁₆	18 ¹ / ₈	8 ¹ / ₈	7 ¹ / ₁₆	2 ³ / ₄	2 ¹⁵ / ₁₆	¼	11 ³ / ₄	12 ¹ / ₈	10 ³ / ₄
36 – AKA	22½	24	3 ³ / ₁₆	3/4	3 ¹ / ₁₆	18 ¹ / ₈	8 ¹ / ₈	7 ¹ / ₁₆	2 ³ / ₄	2 ¹⁵ / ₁₆	¼	11 ³ / ₄	12 ¹ / ₈	11
36 – AHA	22½	26	3 ³ / ₁₆	3/4	3 ¹ / ₁₆	18 ¹ / ₈	8 ¹ / ₈	7 ¹ / ₁₆	2 ³ / ₄	2 ¹⁵ / ₁₆	¼	11 ³ / ₄	12 ¹ / ₈	11½
42	22½	28	3¼	7/8	3 ¹ / ₁₆	18 ¹ / ₈	8 ¹ / ₈	7 ¹ / ₁₆	2 ³ / ₄	2 ¹⁵ / ₁₆	¼	11 ³ / ₄	12 ¹ / ₈	12
48	22½	34	3¼	7/8	3 ¹ / ₁₆	18 ¹ / ₈	8 ¹ / ₈	7 ¹ / ₁₆	2 ³ / ₄	2 ¹⁵ / ₁₆	¼	11 ³ / ₄	12 ¹ / ₈	15
60	30	30	3¼	7/8	6½	23½	10	7 ¹ / ₁₆	2 ³ / ₄	2 ¹⁵ / ₁₆	¼	16	14½	14

Combination Ratings‡

MODEL SIZE	INDOOR UNIT	NOMINAL AIRFLOW		COOLING CAPACITY @ 95 °F (35 °C)				COOLING CAPACITY @ 115 °F (46 °C)		
				RATED CAPACITY		POWER	RATED	RATED CAPACITY		POWER
		CFM	L/S	BTUH	kW	kW	EER	BTUH	kW	kW
18-AKA	EBP2400(A,B)	600	280	18700	5.48	2.08	9.00	14500	4.25	2.07
	FS(M,U)2X18	600	280	18600	5.45	2.07	9.00	14600	4.28	2.09
	FS(M,U)2X24	600	280	18700	5.48	2.08	9.00	14700	4.31	2.10
24-AKA	EBP2400(A,B)	800	380	24200	7.09	2.69	9.00	18700	5.48	2.88
	FS(M,U)2X24	800	380	24600	7.21	2.73	9.00	19500	5.71	3.00
	FS(M,U)2X30	800	380	25000	7.32	2.78	9.00	19500	5.71	3.00
30-AKA	EBP3600(A,B)	1000	467	28800	8.44	3.20	9.00	23500	6.89	3.79
	FS(M,U)2X30	1000	467	29000	8.50	3.22	9.00	23800	6.97	3.72
	FS(M,U)2X36	1000	467	29200	8.56	3.24	9.00	24000	7.03	3.75
36-AKA/AHA	EBP3600(A,B)	1200	550	33600	9.84	3.73	9.00	27800	8.15	4.28
	FS(M,U)2X36	1200	550	34000	9.96	3.78	9.00	28500	8.35	4.32
	FS(M,U)2X42	1200	550	34800	10.20	3.87	9.00	29200	8.56	4.36
42-AKA/AHA	EBP4800(A,B)	1400	653	41500	12.16	4.61	9.00	35000	10.25	5.83
	FS(M,U)2X42	1400	653	41500	12.16	4.61	9.00	35800	10.49	5.97
	FS(M,U)2X48	1400	653	42400	12.42	4.71	9.00	36600	10.72	6.10
48-AKA/AHA	EBP4800(A,B)	1600	750	47000	13.77	5.22	9.00	41000	12.01	6.00
	EBP6000(A,B)	1600	750	48500	14.21	5.39	9.00	42000	12.31	6.00
	FS(M,U)2X48	1600	750	48000	14.06	5.33	9.00	42800	12.54	6.40
	FS(M,U)2X60	1600	750	49000	14.36	5.16	9.50	43800	12.83	6.50
60-AKA/AHA	EBP6000(A,B)	2000	919	58600	17.17	6.51	9.00	48000	14.06	8.00
	FS(M,U)2X60	2000	919	59500	17.43	6.61	9.00	49600	14.53	8.27

‡ Ratings are net values reflecting the effects of circulating fan heat. Supplemental electric heat is not included. Ratings are based on: **Cooling Standard:** 80 °F (27 °C) DB, 67 °F (19 °C) WB indoor entering air temperature and 95 °F (35 °C) DB air entering outdoor unit.

A-Weighted Sound Power (dBA)

MODEL SIZE - SERIES	SOUND RATING (dBA)	TYPICAL OCTAVE BAND SPECTRUM, WITHOUT TONE ADJUSTMENT (Hz)						
		125	250	500	1000	2000	4000	8000
018-AKA	80	58.0	64.0	68.5	72.5	71.5	68.0	60.0
024-AKA	80	59.5	65.5	70.0	74.0	71.0	69.5	60.5
030-AKA	80	55.0	64.5	71.0	72.0	70.5	69.0	62.5
036-AKA	82	55.5	66.5	70.5	74.5	73.5	70.0	63.5
036-AHA	82	57.0	64.5	73.0	74.0	72.0	73.0	65.5
042-AKA	82	59.0	66.5	68.5	75.5	71.5	73.0	65.5
048-AKA/AHA	82	61.9	67.5	71.8	77.1	76.5	72.9	66.9
060-AKA/AHA	82	58.0	67.5	72.0	76.0	76.0	73.0	67.0

Detailed Cooling Capacities (S.I.)

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °C																							
L/S	EWB °C	24				29				35				41				46				52			
		Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW			
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens				
18-AKA Outdoor Section With FS(M,U)2X18 Indoor Section																									
250	14	5.38	5.38	1.88	4.91	4.91	1.90	4.46	4.46	1.91	4.02	4.02	1.93	3.60	3.60	1.94	3.19	3.19	1.95						
	17	5.83	5.03	1.93	5.26	4.66	1.94	4.70	4.30	1.95	4.16	3.94	1.95	3.66	3.58	1.95	3.19	3.19	1.95						
	19	6.47	4.31	1.97	5.90	4.02	2.00	5.32	3.71	2.03	4.74	3.40	2.04	4.18	3.10	2.04	3.65	2.82	2.03						
	22	7.03	3.56	2.01	6.49	3.32	2.05	5.93	3.07	2.08	5.35	2.81	2.11	4.77	2.56	2.13	4.19	2.30	2.15						
285	14	5.63	5.63	1.95	5.15	5.15	1.96	4.67	4.67	1.98	4.21	4.21	1.99	3.77	3.77	2.00	3.34	3.34	2.01						
	17	5.98	5.34	1.97	5.40	4.96	1.99	4.83	4.57	2.00	4.28	4.18	2.00	3.77	3.77	2.00	3.34	3.34	2.01						
	19	6.61	4.52	2.01	6.04	4.23	2.05	5.45	3.93	2.07	4.85	3.61	2.09	4.28	3.30	2.09	3.73	3.00	2.08						
	22	7.15	3.67	2.05	6.61	3.43	2.09	6.04	3.18	2.12	5.46	2.94	2.15	4.87	2.68	2.17	4.29	2.42	2.19						
320	14	5.85	5.85	2.00	5.36	5.36	2.03	4.86	4.86	2.04	4.38	4.38	2.05	3.92	3.92	2.06	3.48	3.48	2.07						
	17	6.11	5.63	2.02	5.52	5.24	2.04	4.94	4.83	2.05	4.39	4.39	2.05	3.92	3.92	2.06	3.47	3.47	2.06						
	19	6.72	4.72	2.06	6.15	4.44	2.09	5.55	4.14	2.11	4.95	3.82	2.13	4.36	3.50	2.14	3.79	3.19	2.13						
	22	7.23	3.76	2.09	6.70	3.54	2.13	6.12	3.30	2.17	5.55	3.06	2.19	4.95	2.80	2.21	4.36	2.54	2.23						
Multipliers for determining performance when this outdoor section is used with different indoor sections:									Indoor Section			Capacity kW (Total)				Total System kW									
									EBP2400(A,B)			1.01				1.01									
									FS(M,U)2X24			1.01				1.01									

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °C																							
L/S	EWB °C	24				29				35				41				46				52			
		Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW			
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens				
24-AKA Outdoor Section With FS(M,U)2X24 Indoor Section																									
340	14	7.14	7.14	2.29	6.54	6.54	2.40	5.96	5.96	2.52	5.40	5.40	2.65	4.86	4.86	2.80	4.36	4.36	2.95						
	17	7.66	6.71	2.33	6.94	6.26	2.46	6.22	5.79	2.56	5.53	5.32	2.68	4.88	4.88	2.80	4.35	4.35	2.95						
	19	8.50	5.74	2.39	7.80	5.39	2.54	7.07	5.00	2.68	6.33	4.61	2.82	5.61	4.23	2.94	4.94	3.87	3.08						
	22	9.23	4.70	2.46	8.60	4.43	2.61	7.90	4.12	2.77	7.17	3.80	2.93	6.43	3.48	3.10	5.70	3.15	3.27						
380	14	7.40	7.40	2.34	6.79	6.79	2.47	6.19	6.19	2.59	5.60	5.60	2.72	5.04	5.04	2.87	4.52	4.52	3.02						
	17	7.82	7.04	2.37	7.09	6.58	2.51	6.36	6.08	2.62	5.64	5.64	2.73	5.04	5.04	2.87	4.51	4.51	3.02						
	19	8.64	5.96	2.44	7.95	5.62	2.58	7.21	5.24	2.73	6.45	4.84	2.87	5.71	4.44	3.00	5.03	4.07	3.14						
	22	9.34	4.82	2.50	8.72	4.55	2.66	8.02	4.26	2.82	7.29	3.94	2.98	6.54	3.62	3.15	5.80	3.29	3.33						
415	14	7.63	7.63	2.39	7.01	7.01	2.53	6.39	6.39	2.65	5.78	5.78	2.79	5.20	5.20	2.93	4.66	4.66	3.09						
	17	7.95	7.35	2.41	7.22	6.87	2.55	6.48	6.35	2.67	5.79	5.79	2.79	5.20	5.20	2.93	4.66	4.66	3.09						
	19	8.75	6.17	2.48	8.06	5.84	2.63	7.32	5.46	2.77	6.55	5.06	2.93	5.80	4.65	3.05	5.10	4.27	3.19						
	22	9.43	4.92	2.54	8.81	4.67	2.70	8.12	4.38	2.86	7.38	4.06	3.03	6.63	3.74	3.20	5.88	3.42	3.38						
Multipliers for determining performance when this outdoor section is used with different indoor sections:									Indoor Section			Capacity kW (Total)				Total System kW									
									EBP2400(A,B)			.98				.98									
									FS(M,U)2X30			1.02				1.02									

Detailed Cooling Capacities (S.I.) – continued

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °C																	
L/S	EWB °C	24		29		35		41		46		52							
		Capacity kW		Total Sys. kW	Capacity kW		Total Sys. kW	Capacity kW		Total Sys. kW	Capacity kW		Total Sys. kW						
		Total	Sens	Total	Total	Sens	Total	Total	Sens	Total	Total	Sens	Total	Total	Sens	Total			
30-AKA Outdoor Section With FS(M,U)2X30 Indoor Section																			
415	14	8.39	8.39	2.53	7.79	7.79	2.74	7.20	7.20	2.95	6.63	6.63	3.18	6.08	6.08	3.42	5.52	5.52	3.67
	17	8.88	7.93	2.58	8.15	7.47	2.80	7.43	7.01	3.00	6.75	6.55	3.21	6.09	6.09	3.42	5.52	5.52	3.67
	19	9.83	6.75	2.67	9.08	6.38	2.90	8.32	6.00	3.14	7.58	5.62	3.39	6.84	5.25	3.62	6.13	4.88	3.85
	22	10.72	5.51	2.74	9.98	5.20	3.00	9.23	4.88	3.26	8.46	4.56	3.52	7.70	4.24	3.80	6.95	3.92	4.08
470	14	8.77	8.77	2.62	8.14	8.14	2.85	7.52	7.52	3.07	6.92	6.92	3.31	6.34	6.34	3.55	5.76	5.76	3.81
	17	9.10	8.44	2.65	8.35	7.97	2.88	7.62	7.46	3.09	6.94	6.94	3.31	6.33	6.33	3.55	5.76	5.76	3.81
	19	10.03	7.12	2.74	9.27	6.75	2.98	8.50	6.38	3.22	7.73	6.00	3.47	6.97	5.61	3.72	6.23	5.22	3.95
	22	10.90	5.72	2.81	10.15	5.41	3.07	9.38	5.09	3.33	8.61	4.78	3.60	7.83	4.45	3.88	7.06	4.13	4.17
530	14	9.07	9.07	2.70	8.43	8.43	2.94	7.79	7.79	3.18	7.17	7.17	3.42	6.56	6.56	3.67	5.95	5.95	3.93
	17	9.27	8.89	2.72	8.50	8.48	2.95	7.80	7.80	3.19	7.16	7.16	3.42	6.55	6.55	3.67	5.95	5.95	3.93
	19	10.18	7.47	2.80	9.41	7.10	3.04	8.63	6.73	3.29	7.84	6.34	3.54	7.07	5.94	3.80	6.31	5.53	4.04
	22	11.02	5.89	2.87	10.27	5.59	3.13	9.49	5.28	3.40	8.72	4.97	3.68	7.93	4.65	3.96	7.15	4.33	4.25
Multipliers for determining performance when this outdoor section is used with different indoor sections:								Indoor Section				Capacity kW (Total)				Total System kW			
								EBP3600(A,B)				.99				.99			
								FS(M,U)2X36				1.01				1.01			

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °C																	
L/S	EWB °C	24		29		35		41		46		52							
		Capacity kW		Total Sys. kW	Capacity kW		Total Sys. kW	Capacity kW		Total Sys. kW	Capacity kW		Total Sys. kW						
		Total	Sens	Total	Total	Sens	Total	Total	Sens	Total	Total	Sens	Total	Total	Sens	Total			
36-AKA/AHA Outdoor Section With FS(M,U)2X36 Indoor Section																			
495	14	9.61	9.61	3.03	9.06	9.06	3.25	8.49	8.49	3.49	7.92	7.92	3.75	7.34	7.34	4.02	6.73	6.73	4.30
	17	10.09	9.12	3.07	9.40	8.73	3.31	8.70	8.32	3.52	8.00	7.88	3.76	7.33	7.33	4.02	6.73	6.73	4.29
	19	11.17	7.76	3.17	10.49	7.45	3.42	9.75	7.12	3.69	8.98	6.76	3.96	8.20	6.41	4.21	7.38	6.04	4.46
	22	12.18	6.31	3.26	11.55	6.06	3.54	10.85	5.79	3.82	10.09	5.49	4.12	9.28	5.17	4.43	8.43	4.84	4.74
565	14	10.05	10.05	3.13	9.48	9.48	3.38	8.88	8.88	3.63	8.28	8.28	3.89	7.67	7.67	4.16	7.04	7.04	4.45
	17	10.34	9.74	3.15	9.65	9.33	3.40	8.91	8.91	3.63	8.28	8.28	3.89	7.67	7.67	4.16	7.03	7.03	4.45
	19	11.40	8.21	3.25	10.71	7.92	3.51	9.96	7.60	3.78	9.16	7.24	4.06	8.35	6.86	4.32	7.52	6.48	4.57
	22	12.38	6.55	3.35	11.75	6.32	3.62	11.05	6.06	3.91	10.28	5.77	4.21	9.45	5.46	4.53	8.59	5.13	4.85
635	14	10.40	10.40	3.22	9.83	9.83	3.48	9.21	9.21	3.75	8.58	8.58	4.02	7.95	7.95	4.30	7.29	7.29	4.59
	17	10.55	10.27	3.23	9.86	9.86	3.48	9.21	9.21	3.75	8.58	8.58	4.02	7.94	7.94	4.30	7.29	7.29	4.59
	19	11.56	8.62	3.33	10.88	8.35	3.59	10.12	8.04	3.86	9.30	7.68	4.15	8.47	7.29	4.42	7.62	6.88	4.68
	22	12.52	6.76	3.42	11.90	6.55	3.70	11.19	6.30	3.99	10.42	6.04	4.30	9.58	5.73	4.61	8.70	5.40	4.94
Multipliers for determining performance when this outdoor section is used with different indoor sections:								Indoor Section				Capacity kW (Total)				Total System kW			
								EBP3600(A,B)				.99				.99			
								FS(M,U)2X42				1.02				1.02			

Detailed Cooling Capacities (S.I.) – continued

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °C																	
L/S	EWB °C	24			29			35			41			46			52		
		Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
42-AKA Outdoor Section With FS(M,U)2X42 Indoor Section																			
580	14	11.10	11.10	3.07	10.59	10.59	3.61	10.06	10.06	4.19	9.52	9.52	4.81	8.94	8.94	5.46	8.33	8.33	6.15
	17	12.00	10.36	3.15	11.28	10.02	3.72	10.55	9.66	4.28	9.82	9.29	4.88	9.06	8.88	5.50	8.32	8.32	6.15
	19	13.28	8.89	3.26	12.63	8.62	3.86	11.88	8.31	4.50	11.08	7.97	5.16	10.26	7.63	5.81	9.39	7.28	6.48
	22	14.48	7.35	3.36	13.89	7.12	3.99	13.21	6.86	4.67	12.44	6.57	5.38	11.63	6.26	6.13	10.73	5.92	6.89
660	14	11.63	11.63	3.18	11.07	11.07	3.76	10.51	10.51	4.35	9.93	9.93	4.99	9.33	9.33	5.66	8.68	8.68	6.37
	17	12.30	11.03	3.23	11.57	10.69	3.82	10.81	10.30	4.41	10.06	9.88	5.02	9.32	9.32	5.66	8.68	8.68	6.37
	19	13.58	9.35	3.34	12.93	9.11	3.95	12.16	8.82	4.61	11.34	8.48	5.30	10.49	8.14	5.97	9.59	7.78	6.65
	22	14.74	7.60	3.45	14.16	7.40	4.09	13.47	7.16	4.78	12.69	6.88	5.50	11.86	6.58	6.27	10.96	6.24	7.06
745	14	12.08	12.08	3.27	11.52	11.52	3.88	10.92	10.92	4.51	10.31	10.31	5.16	9.68	9.68	5.85	9.00	9.00	6.57
	17	12.55	11.65	3.31	11.83	11.31	3.91	11.00	10.97	4.52	10.31	10.31	5.16	9.67	9.67	5.85	9.00	9.00	6.57
	19	13.81	9.78	3.42	13.15	9.58	4.04	12.38	9.30	4.71	11.54	8.98	5.41	10.67	8.63	6.11	9.74	8.26	6.80
	22	14.94	7.83	3.53	14.36	7.65	4.18	13.67	7.43	4.88	12.89	7.17	5.62	12.04	6.87	6.39	11.13	6.55	7.19
Multipliers for determining performance when this outdoor section is used with different indoor sections:								Indoor Section			Capacity kW (Total)			Total System kW					
								EBP4800(A,B)			1.00			1.00					
								FS(M,U)2X48			1.02			1.02					

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °C																	
L/S	EWB °C	24			29			35			41			46			52		
		Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
48-AKA/AHA Outdoor Section With FS(M,U)2X48 Indoor Section																			
660	14	12.76	12.76	3.94	12.30	12.30	4.44	11.82	11.82	5.00	11.28	11.28	5.62	10.69	10.69	6.29	10.05	10.05	7.03
	17	13.61	12.00	4.01	12.98	11.69	4.52	12.35	11.37	5.07	11.65	11.01	5.67	10.88	10.59	6.33	10.07	10.07	7.04
	19	14.99	10.21	4.10	14.41	9.99	4.63	13.78	9.72	5.22	13.07	9.41	5.88	12.28	9.08	6.54	11.41	8.73	7.27
	22	16.27	8.35	4.19	15.79	8.18	4.73	15.20	7.96	5.33	14.53	7.70	6.01	13.79	7.42	6.75	12.93	7.08	7.56
755	14	13.32	13.32	4.08	12.84	12.84	4.59	12.34	12.34	5.16	11.78	11.78	5.78	11.17	11.17	6.47	10.50	10.50	7.21
	17	13.92	12.78	4.11	13.28	12.46	4.64	12.64	12.12	5.20	11.93	11.71	5.80	11.18	11.18	6.47	10.49	10.49	7.21
	19	15.29	10.77	4.20	14.72	10.57	4.73	14.06	10.31	5.33	13.35	10.02	6.00	12.54	9.69	6.69	11.65	9.33	7.42
	22	16.54	8.64	4.30	16.07	8.51	4.84	15.47	8.30	5.45	14.79	8.06	6.12	14.04	7.78	6.87	13.19	7.47	7.68
850	14	13.80	13.80	4.18	13.30	13.30	4.72	12.78	12.78	5.31	12.20	12.20	5.94	11.57	11.57	6.63	10.88	10.88	7.38
	17	14.17	13.47	4.20	13.54	13.14	4.74	12.85	12.85	5.32	12.20	12.20	5.94	11.57	11.57	6.63	10.88	10.88	7.38
	19	15.51	11.26	4.30	14.95	11.11	4.83	14.28	10.87	5.43	13.56	10.59	6.10	12.74	10.26	6.83	11.82	9.89	7.55
	22	16.73	8.91	4.39	16.26	8.78	4.94	15.68	8.62	5.55	14.99	8.39	6.23	14.23	8.12	6.98	13.37	7.82	7.80
Multipliers for determining performance when this outdoor section is used with different indoor sections:								Indoor Section			Capacity kW (Total)			Total System kW					
								EBP4800(A,B)			.98			.98					
								EBP6000(A,B)			1.01			1.01					
								FS(M,U)2X60			1.02			.97					

Detailed Cooling Capacities (S.I.) – continued

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °C																	
		24			29			35			41			46			52		
L/S	EWB °C	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW	Capacity kW		Total Sys. KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
60-AKA/AHA Outdoor Section With FS(M,U)2X60 Indoor Section																			
825	14	17.08	17.08	4.93	15.93	15.93	5.50	14.79	14.79	6.15	13.63	13.63	6.85	12.44	12.44	7.60	11.24	11.24	8.41
	17	18.14	16.09	5.03	16.75	15.18	5.61	15.38	14.27	6.24	13.99	13.34	6.91	12.59	12.37	7.64	11.24	11.24	8.41
	19	20.03	13.72	5.17	18.56	12.95	5.78	17.10	12.17	6.48	15.61	11.37	7.24	14.10	10.57	7.99	12.58	9.77	8.78
	22	21.81	11.22	5.30	20.37	10.59	5.95	18.85	9.92	6.65	17.32	9.25	7.44	15.75	8.56	8.30	14.14	7.87	9.21
945	14	17.81	17.81	5.10	16.61	16.61	5.70	15.41	15.41	6.35	14.19	14.19	7.06	12.95	12.95	7.83	11.70	11.70	8.66
	17	18.55	17.13	5.15	17.11	16.16	5.76	15.71	15.18	6.40	14.26	14.26	7.08	12.95	12.95	7.83	11.70	11.70	8.66
	19	20.43	14.46	5.29	18.94	13.70	5.91	17.43	12.90	6.61	15.92	12.09	7.38	14.36	11.26	8.17	12.79	10.43	8.97
	22	22.17	11.63	5.43	20.71	11.01	6.08	19.17	10.35	6.79	17.61	9.67	7.58	16.01	8.98	8.44	14.37	8.27	9.37
1060	14	18.44	18.44	5.24	17.19	17.19	5.87	15.94	15.94	6.55	14.67	14.67	7.27	13.39	13.39	8.05	12.09	12.09	8.89
	17	18.88	18.07	5.27	17.43	17.04	5.88	15.99	15.99	6.56	14.67	14.67	7.27	13.38	13.38	8.05	12.09	12.09	8.89
	19	20.73	15.16	5.41	19.23	14.41	6.04	17.69	13.61	6.74	16.14	12.78	7.51	14.55	11.93	8.34	12.94	11.06	9.14
	22	22.44	12.01	5.55	20.97	11.40	6.20	19.42	10.76	6.91	17.83	10.07	7.71	16.21	9.38	8.58	14.54	8.67	9.51
Multipliers for determining performance when this outdoor section is used with different indoor sections:								Indoor Section				Capacity kW (Total)				Total System kW			
								EBP6000(A,B)				.98				.98			

Detailed Cooling Capacities (English)

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
CFM	EWB °F	75			85			95			105			115			125		
		Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
18-AKA Outdoor Section With FS(M,U)2X18 Indoor Section																			
525	57	18.36	18.36	1.88	16.77	16.77	1.90	15.22	15.22	1.91	13.72	13.72	1.93	12.29	12.29	1.94	10.90	10.90	1.95
	62	19.91	17.15	1.93	17.95	15.91	1.94	16.05	14.66	1.95	14.22	13.44	1.95	12.48	12.22	1.95	10.89	10.89	1.95
	67	22.08	14.72	1.97	20.15	13.71	2.00	18.16	12.67	2.03	16.18	11.60	2.04	14.28	10.59	2.04	12.45	9.61	2.03
	72	24.01	12.15	2.01	22.16	11.32	2.05	20.25	10.48	2.08	18.26	9.60	2.11	16.27	8.72	2.13	14.31	7.85	2.15
600	57	19.22	19.22	1.95	17.57	17.57	1.96	15.94	15.94	1.98	14.37	14.37	1.99	12.86	12.86	2.00	11.40	11.40	2.01
	62	20.42	18.22	1.97	18.43	16.94	1.99	16.47	15.61	2.00	14.60	14.27	2.00	12.87	12.87	2.00	11.40	11.40	2.01
	67	22.57	15.44	2.01	20.61	14.44	2.05	18.60	13.41	2.07	16.56	12.33	2.09	14.60	11.27	2.09	12.72	10.25	2.08
	72	24.39	12.51	2.05	22.55	11.72	2.09	20.60	10.87	2.12	18.64	10.03	2.15	16.62	9.15	2.17	14.63	8.27	2.19
675	57	19.98	19.98	2.00	18.28	18.28	2.03	16.59	16.59	2.04	14.94	14.94	2.05	13.37	13.37	2.06	11.86	11.86	2.07
	62	20.85	19.21	2.02	18.84	17.90	2.04	16.85	16.48	2.05	14.97	14.97	2.05	13.37	13.37	2.06	11.85	11.85	2.06
	67	22.95	16.11	2.06	20.98	15.14	2.09	18.96	14.13	2.11	16.89	13.05	2.13	14.86	11.95	2.14	12.93	10.88	2.13
	72	24.68	12.84	2.09	22.85	12.08	2.13	20.90	11.25	2.17	18.94	10.43	2.19	16.89	9.55	2.21	14.87	8.67	2.23
Multipliers for determining performance when this outdoor section is used with different indoor sections:									Indoor Section			Capacity MBtuh (Total)			Total System kW				
									EBP2400(A,B)			1.01			1.01				
									FS(M,U)2X24			1.01			1.01				

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
CFM	EWB °F	75			85			95			105			115			125		
		Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
24-AKA Outdoor Section With FS(M,U)2X24 Indoor Section																			
725	57	24.36	24.36	2.29	22.33	22.33	2.40	20.35	20.35	2.52	18.41	18.41	2.65	16.59	16.59	2.80	14.87	14.87	2.95
	62	26.15	22.92	2.33	23.69	21.36	2.46	21.24	19.76	2.56	18.88	18.17	2.68	16.67	16.67	2.80	14.86	14.86	2.95
	67	29.00	19.59	2.39	26.63	18.38	2.54	24.14	17.08	2.68	21.59	15.72	2.82	19.15	14.42	2.94	16.86	13.20	3.08
	72	31.49	16.04	2.46	29.34	15.11	2.61	26.95	14.07	2.77	24.47	12.98	2.93	21.95	11.87	3.10	19.45	10.77	3.27
800	57	25.27	25.27	2.34	23.18	23.18	2.47	21.11	21.11	2.59	19.11	19.11	2.72	17.21	17.21	2.87	15.41	15.41	3.02
	62	26.68	24.04	2.37	24.20	22.46	2.51	21.70	20.77	2.62	19.25	19.25	2.73	17.20	17.20	2.87	15.41	15.41	3.02
	67	29.48	20.35	2.44	27.12	19.18	2.58	24.60	17.88	2.73	22.01	16.51	2.87	19.50	15.17	3.00	17.16	13.91	3.14
	72	31.87	16.44	2.50	29.75	15.54	2.66	27.37	14.52	2.82	24.87	13.44	2.98	22.33	12.34	3.15	19.79	11.22	3.33
875	57	26.04	26.04	2.39	23.94	23.94	2.53	21.80	21.80	2.65	19.73	19.73	2.79	17.76	17.76	2.93	15.90	15.90	3.09
	62	27.12	25.07	2.41	24.63	23.46	2.55	22.11	21.66	2.67	19.75	19.75	2.79	17.75	17.75	2.93	15.89	15.89	3.09
	67	29.86	21.05	2.48	27.51	19.92	2.63	24.97	18.63	2.77	22.36	17.26	2.93	19.79	15.88	3.05	17.39	14.56	3.19
	72	32.18	16.78	2.54	30.07	15.93	2.70	27.70	14.94	2.86	25.19	13.87	3.03	22.63	12.78	3.20	20.08	11.66	3.38
Multipliers for determining performance when this outdoor section is used with different indoor sections:									Indoor Section			Capacity MBtuh (Total)			Total System kW				
									EBP2400(A,B)			.98			.98				
									FS(M,U)2X30			1.02			1.02				

Detailed Cooling Capacities (English) – continued

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
CFM	EWB °F	75			85			95			105			115			125		
		Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
30-AKA Outdoor Section With FS(M,U)2X30 Indoor Section																			
875	57	28.64	28.64	2.53	26.59	26.59	2.74	24.58	24.58	2.95	22.64	22.64	3.18	20.73	20.73	3.42	18.86	18.86	3.67
	62	30.32	27.06	2.58	27.82	25.51	2.80	25.37	23.93	3.00	23.04	22.37	3.21	20.79	20.79	3.42	18.85	18.85	3.67
	67	33.54	23.04	2.67	30.99	21.78	2.90	28.41	20.49	3.14	25.86	19.19	3.39	23.36	17.91	3.62	20.91	16.67	3.85
	72	36.57	18.82	2.74	34.05	17.74	3.00	31.49	16.66	3.26	28.87	15.56	3.52	26.28	14.46	3.80	23.72	13.38	4.08
1000	57	29.93	29.93	2.62	27.79	27.79	2.85	25.67	25.67	3.07	23.63	23.63	3.31	21.62	21.62	3.55	19.65	19.65	3.81
	62	31.05	28.81	2.65	28.51	27.20	2.88	26.02	25.47	3.09	23.67	23.67	3.31	21.61	21.61	3.55	19.65	19.65	3.81
	67	34.23	24.31	2.74	31.64	23.05	2.98	29.00	21.78	3.22	26.38	20.47	3.47	23.80	19.14	3.72	21.27	17.82	3.95
	72	37.19	19.51	2.81	34.64	18.45	3.07	32.03	17.38	3.33	29.38	16.30	3.60	26.73	15.19	3.88	24.11	14.11	4.17
1125	57	30.96	30.96	2.70	28.79	28.79	2.94	26.60	26.60	3.18	24.46	24.46	3.42	22.37	22.37	3.67	20.32	20.32	3.93
	62	31.63	30.35	2.72	29.01	28.96	2.95	26.62	26.62	3.19	24.45	24.45	3.42	22.36	22.36	3.67	20.31	20.31	3.93
	67	34.74	25.48	2.80	32.11	24.23	3.04	29.44	22.98	3.29	26.75	21.65	3.54	24.12	20.28	3.80	21.54	18.89	4.04
	72	37.62	20.12	2.87	35.06	19.09	3.13	32.40	18.02	3.40	29.75	16.98	3.68	27.05	15.87	3.96	24.39	14.77	4.25
Multipliers for determining performance when this outdoor section is used with different indoor sections:								Indoor Section				Capacity MBtuh (Total)				Total System kW			
								EBP3600(A,B)				.99				.99			
								FS(M,U)2X36				1.01				1.01			

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
CFM	EWB °F	75			85			95			105			115			125		
		Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
36-AKA/AHA Outdoor Section With FS(M,U)2X36 Indoor Section																			
1050	57	32.80	32.80	3.03	30.91	30.91	3.25	28.99	28.99	3.49	27.05	27.05	3.75	25.04	25.04	4.02	22.98	22.98	4.30
	62	34.44	31.12	3.07	32.09	29.80	3.31	29.68	28.40	3.52	27.29	26.90	3.76	25.03	25.03	4.02	22.97	22.97	4.29
	67	38.12	26.48	3.17	35.81	25.44	3.42	33.29	24.31	3.69	30.64	23.08	3.96	27.97	21.86	4.21	25.20	20.61	4.46
	72	41.57	21.53	3.26	39.43	20.69	3.54	37.04	19.75	3.82	34.43	18.74	4.12	31.68	17.65	4.43	28.78	16.51	4.74
1200	57	34.29	34.29	3.13	32.35	32.35	3.38	30.32	30.32	3.63	28.27	28.27	3.89	26.18	26.18	4.16	24.01	24.01	4.45
	62	35.29	33.23	3.15	32.92	31.85	3.40	30.43	30.43	3.63	28.26	28.26	3.89	26.17	26.17	4.16	24.01	24.01	4.45
	67	38.89	28.01	3.25	36.56	27.02	3.51	34.00	25.93	3.78	31.26	24.69	4.06	28.50	23.42	4.32	25.66	22.11	4.57
	72	42.25	22.35	3.35	40.11	21.57	3.62	37.70	20.67	3.91	35.08	19.70	4.21	32.26	18.63	4.53	29.32	17.51	4.85
1350	57	35.50	35.50	3.22	33.55	33.55	3.48	31.44	31.44	3.75	29.30	29.30	4.02	27.12	27.12	4.30	24.88	24.88	4.59
	62	36.00	35.06	3.23	33.65	33.65	3.48	31.43	31.43	3.75	29.29	29.29	4.02	27.11	27.11	4.30	24.87	24.87	4.59
	67	39.46	29.42	3.33	37.12	28.50	3.59	34.53	27.46	3.86	31.73	26.21	4.15	28.90	24.87	4.42	26.01	23.49	4.68
	72	42.73	23.08	3.42	40.60	22.37	3.70	38.18	21.52	3.99	35.55	20.60	4.30	32.68	19.54	4.61	29.69	18.43	4.94
Multipliers for determining performance when this outdoor section is used with different indoor sections:								Indoor Section				Capacity MBtuh (Total)				Total System kW			
								EBP3600(A,B)				.99				.99			
								FS(M,U)2X42				1.02				1.02			

Detailed Cooling Capacities (English) – continued

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
CFM	EWB °F	75		85		95		105		115		125							
		Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW			
		Total	Sens		Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens			
42-AKA Outdoor Section With FS(M,U)2X42 Indoor Section																			
122 5	57	37.88	37.88	3.07	36.14	36.14	3.61	34.34	34.34	4.19	32.48	32.48	4.81	30.51	30.51	5.46	28.42	28.42	6.15
	62	40.95	35.35	3.15	38.49	34.19	3.72	35.99	32.97	4.28	33.52	31.72	4.88	30.92	30.32	5.50	28.41	28.41	6.15
	67	45.32	30.33	3.26	43.10	29.43	3.86	40.54	28.37	4.50	37.83	27.21	5.16	35.03	26.05	5.81	32.06	24.85	6.48
	72	49.41	25.08	3.36	47.41	24.32	3.99	45.09	23.43	4.67	42.45	22.42	5.38	39.68	21.37	6.13	36.62	20.20	6.89
140 0	57	39.68	39.68	3.18	37.79	37.79	3.76	35.85	35.85	4.35	33.90	33.90	4.99	31.83	31.83	5.66	29.63	29.63	6.37
	62	41.99	37.64	3.23	39.50	36.49	3.82	36.88	35.15	4.41	34.32	33.71	5.02	31.82	31.82	5.66	29.62	29.62	6.37
	67	46.35	31.91	3.34	44.11	31.10	3.95	41.50	30.10	4.61	38.70	28.95	5.30	35.80	27.78	5.97	32.72	26.56	6.65
	72	50.31	25.95	3.45	48.32	25.26	4.09	45.98	24.43	4.78	43.32	23.48	5.50	40.47	22.44	6.27	37.41	21.31	7.06
157 5	57	41.23	41.23	3.27	39.32	39.32	3.88	37.28	37.28	4.51	35.20	35.20	5.16	33.03	33.03	5.85	30.72	30.72	6.57
	62	42.85	39.77	3.31	40.36	38.61	3.91	37.53	37.43	4.52	35.19	35.19	5.16	33.02	33.02	5.85	30.71	30.71	6.57
	67	47.14	33.39	3.42	44.90	32.68	4.04	42.26	31.76	4.71	39.40	30.66	5.41	36.41	29.47	6.11	33.23	28.20	6.80
	72	51.00	26.74	3.53	49.02	26.13	4.18	46.67	25.36	4.88	44.00	24.48	5.62	41.09	23.46	6.39	37.99	22.37	7.19
Multipliers for determining performance when this outdoor section is used with different indoor sections:								Indoor Section				Capacity MBtuh (Total)				Total System kW			
								EBP4800(A,B)				1.00				1.00			
								FS(M,U)2X48				1.02				1.02			

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
CFM	EWB °F	75		85		95		105		115		125							
		Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW			
		Total	Sens		Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens			
48-AKA/AHA Outdoor Section With FS(M,U)2X48 Indoor Section																			
140 0	57	43.54	43.54	3.94	41.99	41.99	4.44	40.34	40.34	5.00	38.51	38.51	5.62	36.50	36.50	6.29	34.30	34.30	7.03
	62	46.46	40.96	4.01	44.31	39.88	4.52	42.16	38.80	5.07	39.76	37.57	5.67	37.14	36.15	6.33	34.36	34.36	7.04
	67	51.16	34.86	4.10	49.19	34.08	4.63	47.02	33.17	5.22	44.60	32.13	5.88	41.91	31.01	6.54	38.95	29.79	7.27
	72	55.54	28.49	4.19	53.91	27.92	4.73	51.86	27.15	5.33	49.58	26.28	6.01	47.05	25.31	6.75	44.14	24.17	7.56
160 0	57	45.46	45.46	4.08	43.81	43.81	4.59	42.10	42.10	5.16	40.20	40.20	5.78	38.11	38.11	6.47	35.83	35.83	7.21
	62	47.52	43.61	4.11	45.33	42.52	4.64	43.14	41.35	5.20	40.72	39.96	5.80	38.15	38.15	6.47	35.82	35.82	7.21
	67	52.20	36.75	4.20	50.24	36.07	4.73	48.00	35.20	5.33	45.57	34.21	6.00	42.80	33.07	6.69	39.75	31.84	7.42
	72	56.44	29.50	4.30	54.86	29.03	4.84	52.81	28.34	5.45	50.49	27.50	6.12	47.93	26.57	6.87	45.03	25.50	7.68
180 0	57	47.09	47.09	4.18	45.38	45.38	4.72	43.61	43.61	5.31	41.64	41.64	5.94	39.49	39.49	6.63	37.15	37.15	7.38
	62	48.35	45.97	4.20	46.20	44.84	4.74	43.86	43.86	5.32	41.64	41.64	5.94	39.48	39.48	6.63	37.13	37.13	7.38
	67	52.94	38.43	4.30	51.01	37.91	4.83	48.74	37.10	5.43	46.27	36.15	6.10	43.47	35.03	6.83	40.34	33.77	7.55
	72	57.09	30.40	4.39	55.49	29.97	4.94	53.51	29.41	5.55	51.17	28.63	6.23	48.57	27.73	6.98	45.64	26.70	7.80
Multipliers for determining performance when this outdoor section is used with different indoor sections:								Indoor Section				Capacity MBtuh (Total)				Total System kW			
								EBP4800(A,B)				.98				.98			
								EBP6000(A,B)				1.01				1.01			
								FS(M,U)2X60				1.02				.97			

Detailed Cooling Capacities (English) – continued

EVAP. AIR		CONDENSER ENTERING AIR TEMPERATURES °F																		
		75			85			95			105			115			125			
CFM	EWB °F	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	Capacity MBtuh		Total Sys. KW	
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		
60-AKA/AHA Outdoor Section With FS(M,U)2X60 Indoor Section																				
175 0	57	58.31	58.31	4.93	54.38	54.38	5.50	50.48	50.48	6.15	46.51	46.51	6.85	42.47	42.47	7.60	38.38	38.38	8.41	
	62	61.91	54.91	5.03	57.16	51.80	5.61	52.50	48.71	6.24	47.76	45.54	6.91	42.98	42.22	7.64	38.37	38.37	8.41	
	67	68.37	46.81	5.17	63.36	44.19	5.78	58.37	41.52	6.48	53.28	38.79	7.24	48.14	36.08	7.99	42.92	33.36	8.78	
	72	74.45	38.31	5.30	69.52	36.14	5.95	64.33	33.87	6.65	59.11	31.57	7.44	53.76	29.23	8.30	48.27	26.84	9.21	
200 0	57	60.80	60.80	5.10	56.67	56.67	5.70	52.59	52.59	6.35	48.42	48.42	7.06	44.21	44.21	7.83	39.94	39.94	8.66	
	62	63.30	58.47	5.15	58.40	55.16	5.76	53.62	51.81	6.40	48.68	48.68	7.08	44.19	44.19	7.83	39.92	39.92	8.66	
	67	69.72	49.36	5.29	64.64	46.75	5.91	59.50	44.03	6.61	54.32	41.27	7.38	49.00	38.43	8.17	43.64	35.61	8.97	
	72	75.67	39.71	5.43	70.68	37.57	6.08	65.43	35.34	6.79	60.10	33.02	7.58	54.65	30.66	8.44	49.05	28.24	9.37	
225 0	57	62.95	62.95	5.24	58.67	58.67	5.87	54.39	54.39	6.55	50.07	50.07	7.27	45.70	45.70	8.05	41.28	41.28	8.89	
	62	64.44	61.69	5.27	59.48	58.14	5.88	54.57	54.57	6.56	50.05	50.05	7.27	45.68	45.68	8.05	41.26	41.26	8.89	
	67	70.76	51.75	5.41	65.62	49.20	6.04	60.37	46.44	6.74	55.10	43.63	7.51	49.67	40.72	8.34	44.16	37.74	9.14	
	72	76.59	40.99	5.55	71.56	38.90	6.20	66.27	36.72	6.91	60.84	34.38	7.71	55.32	32.01	8.58	49.64	29.58	9.51	
Multipliers for determining performance when this outdoor section is used with different indoor sections:								Indoor Section				Capacity MBtuh (Total)				Total System kW				
								EBP6000(A,B)				.98				.98				

Condenser Only Ratings (S.I.)

SST deg °C		CONDENSER ENTERING AIR TEMPERATURES °C							
		13	18	24	29	35	41	46	52
18-AKA									
-1	TCG	5.10	4.70	4.20	3.70	3.20	2.70	2.20	1.60
	SDT	27.00	32.00	36.00	41.00	45.00	49.00	54.00	58.00
	KW	1.39	1.43	1.47	1.51	1.54	1.56	1.57	1.55
2	TCG	5.80	5.30	4.80	4.30	3.80	3.30	2.70	2.20
	SDT	29.00	33.00	38.00	42.00	46.00	51.00	55.00	60.00
	KW	1.43	1.50	1.53	1.58	1.62	1.65	1.67	1.68
4	TCG	6.60	6.00	5.50	5.00	4.40	3.90	3.40	2.80
	SDT	30.00	35.00	39.00	44.00	48.00	52.00	57.00	61.00
	KW	1.47	1.54	1.61	1.66	1.70	1.74	1.78	1.80
7	TCG	7.40	6.80	6.20	5.70	5.10	4.50	4.00	3.40
	SDT	32.00	36.00	41.00	45.00	50.00	54.00	58.00	63.00
	KW	1.51	1.59	1.66	1.74	1.80	1.84	1.89	1.92
10	TCG	8.50	7.70	7.10	6.40	5.80	5.20	4.70	4.10
	SDT	33.00	38.00	43.00	47.00	51.00	56.00	60.00	64.00
	KW	1.54	1.63	1.72	1.80	1.88	1.95	2.01	2.05
13	TCG	9.60	8.80	8.00	7.30	6.70	6.00	5.40	4.80
	SDT	35.00	39.00	44.00	49.00	53.00	57.00	62.00	66.00
	KW	1.58	1.67	1.77	1.86	1.95	2.04	2.12	2.20
24-AKA									
-1	TCG	7.10	6.40	5.80	5.10	4.50	3.80	3.20	2.50
	SDT	30.00	34.00	38.00	42.00	46.00	51.00	55.00	59.00
	KW	1.83	1.87	1.92	1.96	2.00	2.02	2.04	2.06
2	TCG	8.10	7.40	6.70	6.00	5.30	4.60	4.00	3.30
	SDT	31.00	35.00	40.00	44.00	48.00	52.00	57.00	61.00
	KW	1.89	1.98	2.02	2.08	2.12	2.16	2.20	2.23
4	TCG	9.20	8.40	7.60	6.90	6.20	5.50	4.80	4.10
	SDT	32.00	37.00	41.00	45.00	50.00	54.00	58.00	63.00
	KW	1.95	2.05	2.15	2.20	2.25	2.30	2.35	2.40
7	TCG	10.50	9.60	8.70	7.90	7.10	6.40	5.60	4.90
	SDT	34.00	38.00	43.00	47.00	51.00	56.00	60.00	64.00
	KW	2.01	2.12	2.23	2.33	2.39	2.45	2.51	2.57
10	TCG	11.90	10.90	9.90	9.10	8.20	7.40	6.60	5.90
	SDT	35.00	40.00	44.00	48.00	53.00	57.00	61.00	66.00
	KW	2.06	2.19	2.31	2.42	2.53	2.63	2.69	2.75
13	TCG	13.70	12.40	11.30	10.40	9.50	8.60	7.70	6.90
	SDT	36.00	41.00	46.00	50.00	54.00	59.00	63.00	67.00
	KW	2.11	2.26	2.39	2.52	2.64	2.75	2.87	2.98

SST = Saturated Temperature Entering Compressor (°C)

TCG = Gross Cooling Capacity (kW)

KW = Total Power (kW)

SDT = Saturated Temperature Leaving Compressor (°C)

Condenser Only Ratings (S.I.)

SST deg °C		CONDENSER ENTERING AIR TEMPERATURES °C							
		13	18	24	29	35	41	46	52
30-AKA									
-1	TCG	8.20	7.50	6.80	6.10	5.50	4.80	4.10	3.40
	SDT	29.00	34.00	38.00	43.00	48.00	52.00	57.00	61.00
	KW	1.92	2.04	2.13	2.22	2.30	2.36	2.42	2.46
2	TCG	9.10	8.40	7.70	7.00	6.30	5.60	4.90	4.20
	SDT	31.00	35.00	40.00	45.00	49.00	54.00	58.00	63.00
	KW	2.02	2.14	2.24	2.35	2.44	2.52	2.59	2.65
4	TCG	10.20	9.50	8.70	7.90	7.20	6.50	5.80	5.00
	SDT	33.00	37.00	42.00	46.00	51.00	55.00	60.00	64.00
	KW	2.09	2.25	2.39	2.49	2.59	2.68	2.77	2.84
7	TCG	11.40	10.60	9.70	8.90	8.10	7.40	6.60	5.90
	SDT	35.00	39.00	43.00	48.00	53.00	57.00	62.00	66.00
	KW	2.17	2.34	2.50	2.64	2.77	2.87	2.96	3.05
10	TCG	12.60	11.80	10.90	10.00	9.20	8.40	7.60	6.80
	SDT	37.00	41.00	45.00	50.00	54.00	59.00	64.00	68.00
	KW	2.26	2.44	2.61	2.77	2.92	3.07	3.20	3.29
13	TCG	14.10	13.10	12.10	11.20	10.30	9.40	8.60	7.70
	SDT	38.00	43.00	48.00	52.00	56.00	61.00	65.00	70.00
	KW	2.33	2.53	2.73	2.90	3.07	3.23	3.38	3.53
36-AKA/AHA									
-1	TCG	9.40	8.70	7.90	7.10	6.30	5.40	4.50	3.50
	SDT	29.00	33.00	38.00	42.00	47.00	51.00	56.00	60.00
	KW	2.22	2.35	2.47	2.59	2.70	2.79	2.84	2.87
2	TCG	10.60	9.80	9.00	8.20	7.30	6.40	5.50	4.50
	SDT	30.00	35.00	39.00	44.00	48.00	53.00	57.00	62.00
	KW	2.33	2.47	2.60	2.73	2.86	2.97	3.05	3.11
4	TCG	11.80	11.00	10.10	9.30	8.40	7.50	6.50	5.50
	SDT	32.00	36.00	41.00	45.00	50.00	55.00	59.00	63.00
	KW	2.43	2.59	2.76	2.88	3.02	3.15	3.26	3.34
7	TCG	13.10	12.20	11.30	10.50	9.50	8.60	7.60	6.60
	SDT	34.00	38.00	43.00	47.00	52.00	56.00	61.00	65.00
	KW	2.53	2.70	2.88	3.06	3.21	3.35	3.48	3.58
10	TCG	14.50	13.60	12.70	11.70	10.70	9.70	8.70	7.70
	SDT	36.00	40.00	45.00	49.00	53.00	58.00	62.00	67.00
	KW	2.64	2.82	3.00	3.20	3.39	3.58	3.73	3.85
13	TCG	16.20	15.10	14.10	13.10	12.10	11.00	9.90	8.80
	SDT	37.00	42.00	47.00	51.00	55.00	60.00	64.00	69.00
	KW	2.75	2.94	3.14	3.34	3.55	3.75	3.96	4.16

- SST = Saturated Temperature Entering Compressor (°C)
- TCG = Gross Cooling Capacity (kW)
- kW = Total Power (kW)
- SDT = Saturated Temperature Leaving Compressor (°C)

Condenser Only Ratings (S.I.)

SST deg °C		CONDENSER ENTERING AIR TEMPERATURES °C							
		13	18	24	29	35	41	46	52
42-AKA									
-1	TCG	12.30	11.30	10.30	9.30	8.30	7.30	6.20	5.10
	SDT	29.00	34.00	38.00	43.00	47.00	52.00	56.00	61.00
	KW	2.80	2.95	3.09	3.22	3.34	3.42	3.46	3.47
2	TCG	13.80	12.70	11.60	10.60	9.50	8.50	7.30	6.20
	SDT	31.00	35.00	40.00	44.00	49.00	53.00	58.00	62.00
	KW	2.91	3.13	3.28	3.42	3.54	3.65	3.72	3.75
4	TCG	15.50	14.20	13.10	11.90	10.80	9.70	8.50	7.30
	SDT	32.00	37.00	41.00	46.00	50.00	55.00	59.00	64.00
	KW	3.01	3.25	3.47	3.64	3.77	3.89	3.98	4.04
7	TCG	17.50	16.00	14.70	13.50	12.20	11.00	9.80	8.60
	SDT	33.00	38.00	43.00	47.00	52.00	57.00	61.00	65.00
	KW	3.10	3.37	3.62	3.84	4.04	4.17	4.27	4.34
10	TCG	19.80	18.10	16.60	15.20	13.80	12.50	11.20	9.90
	SDT	34.00	39.00	44.00	49.00	53.00	58.00	62.00	67.00
	KW	3.20	3.49	3.76	4.01	4.24	4.44	4.61	4.68
13	TCG	22.60	20.50	18.80	17.20	15.70	14.20	12.80	11.50
	SDT	36.00	41.00	46.00	50.00	55.00	59.00	64.00	68.00
	KW	3.27	3.61	3.91	4.18	4.43	4.65	4.85	5.02
48-AKA/AHA									
-1	TCG	13.80	13.00	12.20	11.40	10.50	9.50	8.40	7.20
	SDT	27.00	32.00	37.00	42.00	47.00	52.00	57.00	62.00
	KW	2.95	3.23	3.54	3.88	4.24	4.61	4.98	5.34
2	TCG	15.40	14.50	13.60	12.70	11.80	10.80	9.70	8.50
	SDT	28.00	33.00	38.00	43.00	48.00	53.00	58.00	63.00
	KW	3.05	3.36	3.67	4.01	4.39	4.78	5.18	5.57
4	TCG	16.90	16.00	15.10	14.20	13.20	12.20	11.10	9.80
	SDT	29.00	34.00	40.00	45.00	50.00	55.00	59.00	64.00
	KW	3.16	3.49	3.84	4.18	4.57	4.97	5.39	5.81
7	TCG	18.70	17.80	16.80	15.80	14.80	13.70	12.60	11.30
	SDT	30.00	36.00	41.00	46.00	51.00	56.00	61.00	65.00
	KW	3.25	3.59	3.94	4.33	4.76	5.19	5.61	6.05
10	TCG	20.70	19.60	18.60	17.50	16.40	15.40	14.20	13.00
	SDT	32.00	37.00	42.00	47.00	52.00	57.00	61.00	66.00
	KW	3.35	3.68	4.05	4.45	4.88	5.35	5.85	6.34
13	TCG	23.10	21.80	20.70	19.50	18.30	17.20	16.00	14.70
	SDT	33.00	38.00	43.00	48.00	53.00	58.00	63.00	67.00
	KW	3.44	3.79	4.16	4.56	5.01	5.48	5.99	6.53

SST = Saturated Temperature Entering Compressor (°C)

TCG = Gross Cooling Capacity (kW)

kW = Total Power (kW)

SDT = Saturated Temperature Leaving Compressor (°C)

Condenser Only Ratings (S.I.)

SST deg °C		CONDENSER ENTERING AIR TEMPERATURES °C							
		13	18	24	29	35	41	46	52
60-AKA/AHA									
-1	TCG	18.20	17.20	16.00	14.90	13.70	12.40	11.00	9.40
	SDT	31.00	36.00	41.00	46.00	51.00	56.00	60.00	65.00
	KW	3.54	3.92	4.34	4.80	5.29	5.79	6.27	6.74
2	TCG	20.10	19.00	17.80	16.70	15.40	14.10	12.70	11.10
	SDT	32.00	37.00	42.00	47.00	52.00	57.00	62.00	67.00
	KW	3.70	4.09	4.51	4.98	5.50	6.02	6.54	7.06
4	TCG	22.10	21.00	19.80	18.50	17.20	15.90	14.40	12.80
	SDT	34.00	39.00	44.00	49.00	54.00	59.00	64.00	68.00
	KW	3.82	4.25	4.73	5.21	5.75	6.30	6.85	7.40
7	TCG	24.30	23.10	21.80	20.50	19.10	17.70	16.20	14.50
	SDT	36.00	41.00	46.00	50.00	56.00	61.00	65.00	70.00
	KW	3.96	4.40	4.89	5.42	6.01	6.64	7.23	7.81
10	TCG	26.70	25.40	24.00	22.60	21.10	19.70	18.10	16.40
	SDT	38.00	43.00	47.00	52.00	57.00	62.00	67.00	72.00
	KW	4.12	4.57	5.07	5.63	6.22	6.87	7.56	8.27
13	TCG	29.40	27.90	26.50	25.00	23.40	21.80	20.20	18.40
	SDT	40.00	45.00	50.00	54.00	59.00	64.00	69.00	74.00
	KW	4.31	4.76	5.28	5.85	6.45	7.13	7.84	8.58

SST = Saturated Temperature Entering Compressor (°C)

TCG = Gross Cooling Capacity (kW)

kW = Total Power (kW)

SDT = Saturated Temperature Leaving Compressor (°C)

Condenser Only Ratings (English)

SST deg °F		CONDENSER ENTERING AIR TEMPERATURES °F							
		55	65	75	85	95	105	115	125
18-AKA									
30	TCG	17.50	15.90	14.20	12.60	10.90	9.20	7.40	5.50
	SDT	81.10	89.00	97.00	104.90	113.00	120.90	128.70	136.50
	KW	1.39	1.43	1.47	1.51	1.54	1.56	1.57	1.55
35	TCG	19.90	18.10	16.40	14.70	12.90	11.20	9.40	7.50
	SDT	83.80	91.80	99.70	107.60	115.50	123.60	131.40	139.20
	KW	1.43	1.50	1.53	1.58	1.62	1.65	1.67	1.68
40	TCG	22.40	20.60	18.70	16.90	15.10	13.30	11.50	9.50
	SDT	86.90	94.60	102.60	110.40	118.30	126.30	134.20	142.00
	KW	1.47	1.54	1.61	1.66	1.70	1.74	1.78	1.80
45	TCG	25.40	23.20	21.30	19.30	17.40	15.50	13.60	11.70
	SDT	89.50	97.70	105.60	113.40	121.20	129.20	137.10	145.00
	KW	1.51	1.59	1.66	1.74	1.80	1.84	1.89	1.92
50	TCG	28.80	26.40	24.10	22.00	19.90	17.90	15.90	14.00
	SDT	92.10	100.30	108.60	116.70	124.40	132.20	140.20	148.10
	KW	1.54	1.63	1.72	1.80	1.88	1.95	2.01	2.05
55	TCG	32.80	30.00	27.40	25.10	22.80	20.50	18.40	16.30
	SDT	94.60	103.00	111.30	119.40	127.50	135.50	143.40	151.30
	KW	1.58	1.67	1.77	1.86	1.95	2.04	2.12	2.20
24-AKA									
30	TCG	24.20	22.00	19.70	17.50	15.30	13.10	10.90	8.70
	SDT	85.30	93.10	100.50	107.90	115.40	123.10	130.90	138.70
	KW	1.83	1.87	1.92	1.96	2.00	2.02	2.04	2.06
35	TCG	27.60	25.10	22.70	20.40	18.00	15.80	13.50	11.20
	SDT	87.50	95.70	103.60	110.90	118.40	126.10	133.80	141.60
	KW	1.89	1.98	2.02	2.08	2.12	2.16	2.20	2.23
40	TCG	31.40	28.70	26.10	23.60	21.00	18.60	16.30	13.90
	SDT	90.10	98.10	106.10	113.90	121.60	129.10	136.90	144.60
	KW	1.95	2.05	2.15	2.20	2.25	2.30	2.35	2.40
45	TCG	35.80	32.60	29.80	27.10	24.40	21.70	19.20	16.80
	SDT	92.60	100.80	108.70	116.40	124.20	132.00	139.90	147.70
	KW	2.01	2.12	2.23	2.33	2.39	2.45	2.51	2.57
50	TCG	40.70	37.10	33.90	31.00	28.10	25.30	22.60	20.00
	SDT	95.20	103.40	111.40	119.20	126.90	134.60	142.40	150.30
	KW	2.06	2.19	2.31	2.42	2.53	2.63	2.69	2.75
55	TCG	46.70	42.20	38.60	35.30	32.30	29.30	26.30	23.50
	SDT	97.40	106.10	114.20	122.00	129.70	137.40	145.10	152.80
	KW	2.11	2.26	2.39	2.52	2.64	2.75	2.87	2.98

- SST = Saturated Temperature Entering Compressor (°F)
- TCG = Gross Cooling Capacity (x1000 BTU/hr)
- KW = Total Power (kW)
- SDT = Saturated Temperature Leaving Compressor (°F)

Condenser Only Ratings (English)

SST deg °F		CONDENSER ENTERING AIR TEMPERATURES °F							
		55	65	75	85	95	105	115	125
30-AKA									
30	TCG	27.90	25.50	23.20	20.80	18.70	16.40	14.10	11.80
	SDT	84.60	92.90	101.10	109.40	117.80	126.10	134.30	142.50
	KW	1.92	2.04	2.13	2.22	2.30	2.36	2.42	2.46
35	TCG	31.20	28.80	26.30	23.90	21.50	19.20	16.80	14.40
	SDT	87.60	95.80	103.90	112.20	120.50	128.90	137.10	145.20
	KW	2.02	2.14	2.24	2.35	2.44	2.52	2.59	2.65
40	TCG	34.90	32.30	29.70	27.10	24.60	22.10	19.70	17.10
	SDT	90.70	98.80	107.10	115.20	123.40	131.80	140.00	148.10
	KW	2.09	2.25	2.39	2.49	2.59	2.68	2.77	2.84
45	TCG	38.80	36.00	33.30	30.50	27.80	25.20	22.70	20.10
	SDT	94.20	102.20	110.30	118.40	126.50	134.80	143.00	151.10
	KW	2.17	2.34	2.50	2.64	2.77	2.87	2.96	3.05
50	TCG	43.20	40.10	37.10	34.20	31.30	28.50	25.80	23.10
	SDT	97.90	105.80	113.80	121.90	129.90	138.10	146.30	154.40
	KW	2.26	2.44	2.61	2.77	2.92	3.07	3.20	3.29
55	TCG	48.20	44.60	41.30	38.20	35.20	32.10	29.30	26.40
	SDT	101.10	109.40	117.60	125.60	133.70	141.50	149.70	157.90
	KW	2.33	2.53	2.73	2.90	3.07	3.23	3.38	3.53
36-AKA/AHA									
30	TCG	32.20	29.70	27.10	24.30	21.50	18.50	15.30	11.90
	SDT	83.60	91.90	100.10	108.30	116.60	124.70	132.50	140.20
	KW	2.22	2.35	2.47	2.59	2.70	2.79	2.84	2.87
35	TCG	36.00	33.50	30.80	27.90	24.90	21.90	18.70	15.20
	SDT	86.40	94.60	102.90	111.00	119.20	127.40	135.30	143.00
	KW	2.33	2.47	2.60	2.73	2.86	2.97	3.05	3.11
40	TCG	40.20	37.40	34.60	31.60	28.60	25.50	22.20	18.70
	SDT	89.30	97.50	105.80	113.90	122.00	130.20	138.20	146.00
	KW	2.43	2.59	2.76	2.88	3.02	3.15	3.26	3.34
45	TCG	44.70	41.70	38.70	35.70	32.40	29.20	25.90	22.40
	SDT	92.60	100.70	108.80	117.10	125.10	133.20	141.20	149.00
	KW	2.53	2.70	2.88	3.06	3.21	3.35	3.48	3.58
50	TCG	49.60	46.40	43.20	40.00	36.60	33.10	29.80	26.20
	SDT	96.00	104.10	112.10	120.30	128.30	136.40	144.40	152.30
	KW	2.64	2.82	3.00	3.20	3.39	3.58	3.73	3.85
55	TCG	55.30	51.50	48.10	44.60	41.10	37.40	33.80	30.10
	SDT	99.00	107.50	115.70	123.80	131.80	139.70	147.80	155.70
	KW	2.75	2.94	3.14	3.34	3.55	3.75	3.96	4.16

SST = Saturated Temperature Entering Compressor (°F)
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 kW = Total Power (kW)
 SDT = Saturated Temperature Leaving Compressor (°F)

Condenser Only Ratings (English)

SST deg °F		CONDENSER ENTERING AIR TEMPERATURES °F							
		55	65	75	85	95	105	115	125
42-AKA									
30	TCG	41.90	38.60	35.20	31.70	28.40	24.90	21.20	17.30
	SDT	84.60	92.60	100.70	108.90	117.10	125.20	133.20	141.00
	KW	2.80	2.95	3.09	3.22	3.34	3.42	3.46	3.47
35	TCG	47.00	43.20	39.70	36.00	32.50	28.90	25.10	21.10
	SDT	87.00	95.60	103.70	111.70	119.80	128.00	135.90	143.70
	KW	2.91	3.13	3.28	3.42	3.54	3.65	3.72	3.75
40	TCG	53.00	48.60	44.60	40.60	36.80	33.00	29.20	25.10
	SDT	89.30	97.90	106.40	114.70	122.70	130.90	138.80	146.60
	KW	3.01	3.25	3.47	3.64	3.77	3.89	3.98	4.04
45	TCG	59.70	54.80	50.20	45.90	41.60	37.50	33.40	29.20
	SDT	91.60	100.40	108.90	117.20	125.50	133.70	141.80	149.60
	KW	3.10	3.37	3.62	3.84	4.04	4.17	4.27	4.34
50	TCG	67.70	61.80	56.70	51.90	47.20	42.60	38.40	33.90
	SDT	94.00	102.80	111.40	119.70	128.00	136.20	144.20	152.20
	KW	3.20	3.49	3.76	4.01	4.24	4.44	4.61	4.68
55	TCG	77.20	70.00	64.00	58.60	53.60	48.40	43.80	39.20
	SDT	96.10	105.30	113.90	122.30	130.50	138.70	146.70	154.60
	KW	3.27	3.61	3.91	4.18	4.43	4.65	4.85	5.02
48-AKA/AHA									
30	TCG	47.10	44.50	41.70	38.80	35.80	32.40	28.60	24.40
	SDT	80.90	89.70	98.60	107.60	116.60	125.50	134.30	143.00
	KW	2.95	3.23	3.54	3.88	4.24	4.61	4.98	5.34
35	TCG	52.70	49.40	46.50	43.40	40.40	36.90	33.10	28.90
	SDT	82.30	92.00	100.90	109.80	118.80	127.80	136.60	145.20
	KW	3.05	3.36	3.67	4.01	4.39	4.78	5.18	5.57
40	TCG	57.70	54.60	51.50	48.30	45.10	41.70	37.80	33.60
	SDT	84.90	94.10	103.30	112.10	121.20	130.10	139.00	147.70
	KW	3.16	3.49	3.84	4.18	4.57	4.97	5.39	5.81
45	TCG	63.80	60.80	57.30	53.80	50.40	46.90	43.00	38.70
	SDT	86.90	96.00	105.00	114.00	123.00	132.00	141.00	149.80
	KW	3.25	3.59	3.94	4.33	4.76	5.19	5.61	6.05
50	TCG	70.80	67.00	63.50	59.80	56.10	52.50	48.60	44.30
	SDT	88.80	98.00	107.00	116.00	124.90	133.80	142.70	151.50
	KW	3.35	3.68	4.05	4.45	4.88	5.35	5.85	6.34
55	TCG	78.70	74.40	70.50	66.70	62.50	58.70	54.70	50.30
	SDT	90.80	100.00	109.10	118.00	126.90	135.80	144.60	153.30
	KW	3.44	3.79	4.16	4.56	5.01	5.48	5.99	6.53

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- KW = Total Power (kW)
- SDT = Saturated Temperature Leaving Compressor (°F)

Condenser Only Ratings (English)

SST deg °F		CONDENSER ENTERING AIR TEMPERATURES °F							
		55	65	75	85	95	105	115	125
60-AKA/AHA									
30	TCG	62.10	58.50	54.70	50.90	46.90	42.40	37.50	32.20
	SDT	87.20	96.10	105.10	114.10	123.20	132.10	140.80	149.30
	KW	3.54	3.92	4.34	4.80	5.29	5.79	6.27	6.74
35	TCG	68.50	64.80	60.90	56.80	52.70	48.20	43.20	37.80
	SDT	90.10	98.90	107.80	116.80	125.90	134.90	143.60	152.20
	KW	3.70	4.09	4.51	4.98	5.50	6.02	6.54	7.06
40	TCG	75.50	71.50	67.40	63.10	58.80	54.20	49.10	43.60
	SDT	93.00	101.90	110.90	119.70	128.90	137.90	146.60	155.20
	KW	3.82	4.25	4.73	5.21	5.75	6.30	6.85	7.40
45	TCG	83.00	78.80	74.50	69.80	65.20	60.40	55.30	49.70
	SDT	96.30	105.10	114.00	122.90	131.90	141.00	149.80	158.40
	KW	3.96	4.40	4.89	5.42	6.01	6.64	7.23	7.81
50	TCG	91.30	86.70	82.00	77.30	72.20	67.20	61.70	55.90
	SDT	99.90	108.60	117.40	126.30	135.10	144.20	153.10	161.90
	KW	4.12	4.57	5.07	5.63	6.22	6.87	7.56	8.27
55	TCG	100.20	95.30	90.30	85.20	79.70	74.50	68.80	62.80
	SDT	103.90	112.40	121.20	130.00	138.70	147.70	156.60	165.40
	KW	4.31	4.76	5.28	5.85	6.45	7.13	7.84	8.58

SST = Saturated Temperature Entering Compressor (°F)

TCG = Gross Cooling Capacity (x1000 BTU/hr)

kW = Total Power (kW)

SDT = Saturated Temperature Leaving Compressor (°F)