AIR CONDITIONERS

ELKC

T-SERIES™

Split Systems | R-454B | 60Hz

ALLIED™ Commercial

COMMERCIAL
PRODUCT SPECIFICATIONS (EHB)

IEER up to 15.0
6 to 20 Tons
Cooling Capacity - 69,000 to 232,000 Btuh



072-090 Models



120-150 Models

T-SERIES™



180-240 Models

MODEL NUMBER IDENTIFICATION

EL 120 K C S D T 1 Y

Product Tier
EL = T-Series™

Nominal Cooling Capacity – Tons
072 = 6 Tons
090 = 7.5 Tons
120 = 10 Tons
150 = 12.5 Tons
180 = 15 Tons
240 = 20 Tons

Refrigerant Type
K = R-454B

Unit Type
C = Split System Air Conditioner

Cooling Efficiency
S = Standard Efficiency

Refrigerant Circuits
S = Single Circuit
D = Dual Circuits

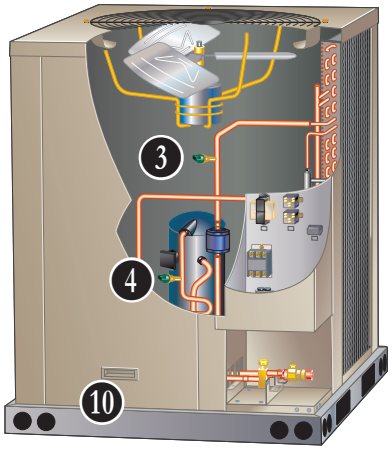
Part Load Capability
T = Two-Stage Compressor

Minor Design Sequence
1 = 1st Revision

Voltage
Y = 208/230V-3 phase-60Hz
G = 460V-3 phase-60Hz
J = 575V-3 phase-60Hz

Form Number 311143 | July 2025
Supersedes all previous versions

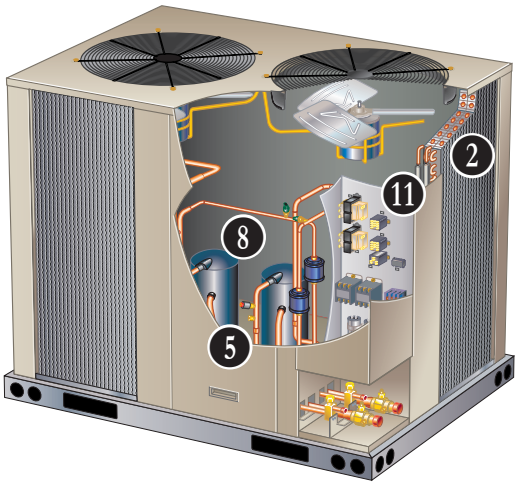
FEATURE HIGHLIGHTS



072-090 Models



180-240 Models



120 Model (150 Model Similar)

1. Outdoor Coil Fans
2. Copper Tube/Enhanced Fin Coils
3. High Pressure Switch
4. Low Pressure Switch
5. Loss of Charge Switch
6. Hi-Capacity Driers
7. Refrigerant Lines and Service Valves
8. Scroll Compressors
9. Heavy Gauge Pre-Painted Steel Cabinet
10. Heavy Duty Steel Base Rails
11. Control Box

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APPROVALS AND WARRANTY

APPROVALS

- AHRI Standard 340/360-2023 certified
- ETL listed
- All units meet cooling requirements of ASHRAE 90.1, IECC 2015, and California Code of Regulations, Title 24
- Tested in a ETL certified environmental testing facility
- Sound tested in accordance with test conditions included in AHRI Standard 270 or 370
- Unit and components UL, ULC, NEC and CEC bonded for grounding to meet safety standards for servicing
- All models are ASHRAE 90.1 energy efficiency compliant and meet or exceed requirements of Section 6.8
- All models meet DOE 2023 energy efficiency standards
- ISO 9001 Registered Manufacturing Quality System

WARRANTY

- Compressors - Limited five years in non-residential applications
- All other covered components - Limited one year

FEATURES AND BENEFITS

APPLICATIONS

- One Compressor - 6, 7.5, 10 ton models
- Two Compressors - 10, 12.5, 15 and 20 ton models
- Applicable to matching indoor air handlers
- Shipped completely factory assembled, piped, and wired
- Test operated at the factory insuring proper operation

REFRIGERATION SYSTEM

R-454B Refrigerant

- Low GWP (Global Warming Potential)
- Zero ODP (Ozone Depletion Potential)
- Low Toxicity/Lower Flammability - A2L

NOTE - Refrigerant is not furnished and must be field supplied.

NOTE - Total system refrigerant charge is dependent on outdoor unit size, indoor unit size and refrigerant line length.

NOTE - Refer to the unit-mounted charging sticker to determine correct amount of charge required.

1 Outdoor Coil Fans

- One Outdoor Fan - 072 and 090
- Two Outdoor Fans - 120 and 150
- Four Outdoor Fans - 180 and 240
- Direct drive fans moves large volumes of air uniformly through entire condenser coil for high refrigerant cooling capacity
- Totally enclosed fan motors
- Overload protected
- Rain shield furnished

2 Copper Tube/Enhanced Fin Coils

- Wrap-around "U" Shaped Coil - 072-090-120 models
- Two "L" Shaped Coils - 150-180-240 models
- Ripple-edge aluminum fins
- Seamless copper tube construction
- Lanced fins for maximum fin surface exposure
- Fin collars grip tubing for maximum contact area
- Flared shoulder tubing connections
- Machine brazed silver soldering
- Factory tested under high pressure
- Completely accessible for cleaning

3 High Pressure Switches

- Protects the system from high pressure conditions
- Manual reset

4 Low Pressure Switches

- EL072KCSST, EL090KCSST, EL120KCSST single circuit models
- Shuts off unit if suction pressure falls below setting
- Loss of charge and freeze-up protection
- Automatic reset

5 Loss of Charge Switches

- EL120KCSDT, EL150KCSDT, EL180KCSDT, EL240KCSDT dual circuit models
- Shuts off unit if liquid line pressure falls below setting
- Provides loss of charge and freeze-up protection
- Automatic reset

6 Hi-Capacity Driers

- Traps moisture or dirt

7 Refrigerant Lines and Service Valves

- Suction and liquid lines located on corner of unit
- Sweat connections
- See dimension drawings
- Fully serviceable suction and liquid line service valves provide complete service access to refrigerant system
- Suction valve can be fully shut off, while liquid valve can be front seated to manage refrigerant charge while servicing system
- Accessible outside of unit cabinet

FEATURES AND BENEFITS

LOW GWP REFRIGERANT DETECTION SYSTEM (RDS)

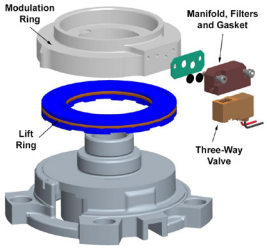
- Complies with UL 60335-2-40 approved standard
- Required for all systems using R-454B refrigerant
- Factory installed on all indoor units
- Consists of a leak detection sensor(s) and a mitigation control
- Ensures safe operation for systems equipped with R-454B refrigerant
- Sensor(s) monitors indoor coil area for R-454B refrigerant
- If R-454B refrigerant is detected, the refrigerant detection system will stop compressor and/or heating operation and operate the blower to reduce concentrations in the conditioned space
- Once safe levels are reached the HVAC system will resume normal operation
- Refrigeration detection system energizes blower if R-454B refrigerant is detected to mitigate any concentrations of refrigerant from the unit and the system

SCROLL COMPRESSORS

8
- Single Two-Stage Compressor - EL072KCSST, EL090KCSST and EL120KCSST single circuit models
- Dual Two-Stage Compressors - EL120KCSDT, EL150KCSDT, EL180KCSDT and EL240KCSDT dual-circuit models
- High efficiency with uniform suction flow
- Constant discharge flow, high volumetric efficiency and quiet operation
- Low gas pulses during compression reduces operational sound levels
- Compressor motor is internally protected from excessive current and temperature
- Compressor is installed in the unit on resilient rubber mounts for vibration free operation

Scroll Compressor Operation

- Two involute spiral scrolls matched together generate a series of crescent-shaped gas pockets between them
- During compression, one scroll remains stationary while the other scroll orbits around it
- Gas is drawn into the outer pocket, the pocket is sealed as the scroll rotates
- As the spiral movement continues, gas pockets are pushed to the center of the scrolls
- Volume between the pockets is simultaneously reduced
- When the pocket reaches the center, gas is now at high pressure and is forced out of a port located in the center of the fixed scrolls
- During compression, several pockets are compressed simultaneously resulting in a smooth continuous compression cycle
- Continuous flank contact, maintained by centrifugal force, minimizes gas leakage and maximizes efficiency
- Compressor is tolerant to the effects of slugging and contaminants
- If this occurs, scrolls separate, allowing liquid or contaminants to be worked toward the center and discharged
- A 24-volt DC solenoid valve inside the compressor controls staging



- When the 3-way solenoid is energized it moves the lift ring assembly to block the ports and the compressor operates at full-load or 100% capacity
- When the solenoid is de-energized the lift ring assembly moves to unblock the compressor ports and the compressor operates at part-load or approximately 67% of its full-load capacity
- The “loading” and “unloading” of the two stage scroll is done “on the fly” without shutting off the single-speed compressor motor between stages

Crankcase Heater

- Crankcase heater(s) prevents migration of liquid refrigerant into compressor(s) and ensures proper compressor lubrication

CABINET

9
- Heavy-gauge, pre-painted steel cabinet
- Removable panels for unit servicing

10
- Heavy duty steel base rails raise the unit off of mounting surface
- Unit lifting holes and forklift slots furnished in base rails
- See dimension drawings

11 Control Box

- Control box located in separate compartment in unit cabinet
- All controls are pre-wired at the factory
- Control box is large enough for field installed DDC or other field supplied control modules

Options/Accessories

Field Installed

Combination Coil/Hail Guards

- Heavy gauge steel frame with expanded metal mesh to protect the outdoor coil from damage

CONTROLS

Options/Accessories

Field Installed

Low Ambient Control
- Air conditioning units operate satisfactorily down to 45ºF outdoor air temperature without any additional controls
- Kit allows unit operation down to 0ºF
- Head pressure speed controller reduces outdoor fan operation during low ambient conditions until head pressure rises to the setpoint
- Pressure transducers are mounted on the liquid lines
- High pressure switches are furnished to replace existing switches
- Wiring harnesses are furnished for simple plug-in wiring to fans and controller

Indoor Air Quality (CO_2) Sensors
- Monitors CO_2 levels
- Adjusts economizer dampers as needed

Thermostat
- Thermostat is not furnished with unit and must be ordered extra

Aftermarket Unit Controller Options
- See Options/Accessories table for selection

Furnace Twinning Panel
- Required to operate two identical furnaces simultaneously from a single thermostat
- For single stage conventional (1 heat/1 cool), multi-stage conventional (2 heat/2 cool) and heat pump (3 heat/2 cool) equipment
- Can be used with common or separate ducted systems
- Contains PC Control Board with terminal strip connections for thermostat and HVAC equipment
- LEDs indicate system operating status
- Uses standard 18-gauge thermostat wire
- Power Supply: 24 VAC, 40VA (transformer not furnished)
- Mounting base with hardware furnished
- Dimensions (H x W x D): 10 x 5 x 2 in.

NOTE - Only identical furnaces should be twinned in order to ensure that both furnace blowers start at the same time. If furnaces are not identical, back draft dampers can be installed in either the supply or return duct.

Up to four identical furnaces can be twinned. Requires two panels that are wired together.

Aftermarket Unit Controller Options
- See Options/Accessories table for selection

ELECTRICAL

Field Installed

GFI Service Outlets (2)
- 115V ground fault circuit interrupter (GFCI) type
- Non-powered
- Field wired

SEQUENCE OF OPERATION

The outdoor unit and indoor unit cycle on demand from the room thermostat.

For details on the outdoor unit component operation based on thermostat demand, refer to the table below.

EL072KCSST, EL090KCSST

Thermostat Demand	[2] Input Signals at Terminal Strip	Compressor Output		Fan			
([1] Key Number)	(TB14)	(B1)	- - -	(B4)	- - -	- - -	- - -
STANDBY	24V	OFF	- - -	OFF	- - -	- - -	- - -
COOLING 1	C1	**LOW**	- - -	**ON**	- - -	- - -	- - -
COOLING 2	C1+C2	**HIGH**	- - -	**ON**	- - -	- - -	- - -

EL120KCSST

Thermostat Demand	[2] Input Signals at Terminal Strip	Compressor Output		Fans			
([1] Key Number)	(TB14)	(B1)	- - -	(B4)	(B5)	- - -	- - -
STANDBY	24V	OFF	- - -	OFF	OFF	- - -	- - -
COOLING 1	C1	**LOW**	- - -	**ON**	**ON**	- - -	- - -
COOLING 2	C1+C2	**HIGH**	- - -	**ON**	**ON**	- - -	- - -

EL120KCSDT

Thermostat Demand	[2] Input Signals at Terminal Strip	Compressor Output		Fans			
([1] Key Number)	(TB14)	(B1)	(B2)	(B4)	(B5)	- - -	- - -
STANDBY	24V	OFF	OFF	OFF	OFF	- - -	- - -
COOLING 1	C1	**LOW**	OFF	**ON**	**ON**	- - -	- - -
COOLING 2	C1+C2	**LOW**	**LOW**	**ON**	**ON**	- - -	- - -
COOLING 3	C1+C2+C3	**HIGH**	**HIGH**	**ON**	**ON**	- - -	- - -

EL150KCSDT

Thermostat Demand	[2] Input Signals at Terminal Strip	Compressor Output		Fans			
([1] Key Number)	(TB14)	(B1)	(B2)	(B4)	(B5)	- - -	- - -
STANDBY	24V	OFF	OFF	OFF	OFF	- - -	- - -
COOLING 1	C1	**LOW**	**OFF**	**ON**	OFF	- - -	- - -
COOLING 2	C1+C2	**LOW**	**LOW**	**ON**	**ON**	- - -	- - -
COOLING 3	C1+C2+C3	**HIGH**	**HIGH**	**ON**	**ON**	- - -	- - -

EL180KCSDT, EL240KCSDT

Thermostat Demand	[2] Input Signals at Terminal Strip	Compressor Output		Fans			
([1] Key Number)	(TB14)	(B1)	(B2)	(B4)	(B5)	(B21)	(B22)
STANDBY	24V	OFF	OFF	OFF	OFF	OFF	OFF
COOLING 1	C1	**LOW**	**OFF**	**ON**	**ON**	OFF	OFF
COOLING 2	C1+C2	**LOW**	**LOW**	**ON**	**ON**	**ON**	**ON**
COOLING 3	C1+C2+C3	**HIGH**	**HIGH**	**ON**	**ON**	**ON**	**ON**

[1] Refer to Component Label or Wiring Diagram for key numbers.

[2] 24V input signals measured between one TB14 connection listed and TB14-C connection.

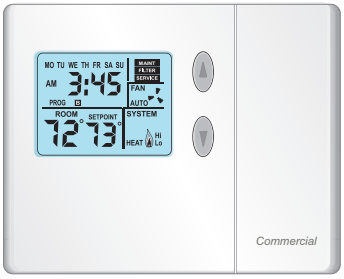
OPTIONAL CONVENTIONAL TEMPERATURE CONTROL SYSTEMS

CS7500 Commercial 7-Day Programmable Thermostat



- Four-Stage Heating / Three-Stage Cooling
- Universal Multi-Stage
- Intuitive Touchscreen Interface
- Automatic Changeover between Heating and Cooling
- Full Seven-Day Programming
- Four Time Periods Per Day
- Temperature and Humidity Control
- One-Touch Away Mode
- Holiday Scheduling
- Smooth Setback Recovery (SSR)
- Performance Reports
- Notifications/Reminders
- Dehumidification Control for Split Systems and Rooftop Units
- Economizer Relay Control
- Backlit Display
- Wallplate Furnished
- FDD, ASHRAE and IECC Compliant

CS3000 Commercial 5-2 Day Programmable Thermostat



- Two-Stage Heating / Two-Stage Cooling
- Conventional Systems
- Intuitive Interface
- 5-2 Day Programming
- Program Hold
- Remote Indoor Temperature Sensing
- Smooth Setback Recovery (SSR)
- Economizer Relay Control
- Maintenance/Filter/Service Reminders
- Backlit Display
- Wallplate Furnished
- Simple Up and Down Temperature Control

Optional Accessory

Cooling Stage-Up Timer Relay

- Allows the unit to attain an additional stage of cooling without the need for extra thermostat connections
- Adjustable - 1 to 1023 seconds
- Mounts internal to unit

OPTIONAL CONVENTIONAL TEMPERATURE CONTROL SYSTEMS

BACnet Compatible Thermostat With Reheat



- 7-Day Programmable
- For units with or without dehumidification
- BTL listed MS/TP ensures compatibility with any BACnet system
- Built-in control programs for conventional and heat pump applications
- Conventional systems up to 3-stage heat and 3-stage cool
- Heat pumps with 1 or 2 compressors and up to 2-stage auxiliary heat
- On-board temperature and humidity sensor
- Multiple configurable inputs and outputs enable advanced control strategies
- Set-up Wizard enables rapid system configuration
- No special tools required for installation or commissioning
- Seven-day (2, 4 or 6 event) occupancy scheduling per day
- Backlit 5-inch LCD touchscreen

Description		Catalog No.
CS7500 Commercial 7-Day Programmable Thermostat		
CS7500 7-Day Thermostat		**24K41**
Sensors/Accessories	[1] Remote non-adjustable wall-mount 20k	**47W36**
	[1] Remote non-adjustable wall-mount 10k	**47W37**
	Remote non-adjustable discharge air (duct mount)	**19L22**
	Outdoor temperature sensor	**X2658**
CS3000 5-2 Day Programmable Thermostat		
CS3000 5-2 Day Thermostat		**11Y05**
Sensor/Accessories	Remote non-adjustable wall mount 10k averaging	**47W37**
	Thermostat wall mounting plate	**X2659**
Optional Accessory		
	Cooling Stage-Up Timer Relay	**24G40**
BACnet 7-Day Programmable Thermostat		
BACnet 7-Day Thermostat		**24C57**
Universal Thermostat Guard with Lock (clear)		
	Inside Dimensions (H x W x D) 5-7/8 x 8-3/8 x 3 in.	**39P21**

[1] 1 Remote wall-mount sensors can be applied in any of the following combinations:
One Sensor - (1) 47W36, Two Sensors - (2) 47W37, Three Sensors - (2) 47W36 and (1) 47W37
Four Sensors - (4) 47W36, Five Sensors - (3) 47W36 and (2) 47W37

SPECIFICATIONS — 6 TON | 7.5 TON

Model		EL072KCSST	EL090KCSST
Nominal Tonnage		**6**	**7.5**
Connections (sweat)	Liquid line (OD) - in.	(1) 3/8	(1) 5/8
	Suction line (OD) - in.	(1) 1-1/8	(1) 1-1/8
Refrigerant	Factory Charge	R-454B holding charge (2 lbs. per circuit)	
	Circuits	1	1
	[1] Field charge (25 ft. line set)	15 lbs. 0 oz. (includes holding charge)	19 lbs. 0 oz. (includes holding charge)
Compressor Type (Number)		Two Stage Scroll (1)	Two Stage Scroll (1)
Condenser Coil	Net face area - ft.² Outer coil	29.3	29.3
	Inner coil	14.2	28.4
	Tube diameter - in.	3/8	3/8
	Rows	1.5	2
	Fins - in.	20	20
Condenser Fan	Diameter - in. (Number)	24 (1)	24 (1)
	Blades	3	3
	Motor HP (Number)	1/3 (1)	1/2 (1)
	Total Cfm	4700	5600
	Rpm	1075	1075
	Watts	400	580

ELECTRICAL DATA

Line voltage data - 60Hz - 3 phase		208/230V	460V	575V	208/230V	460V	575V
[2] Maximum Overcurrent Protection (amps)		45	20	15	60	25	20
[3] Minimum circuit ampacity		27	13	9	36	16	13
Compressor	Number of Compressors	1	1	1	1	1	1
	Rated load amps	19.2	9.1	6.2	26.3	11	9.2
	Locked rotor amps	162.3	70.8	58.2	178.5	95.3	65
Condenser Fan Motor (1 phase)	No. of motors	1	1	1	1	1	1
	Full load amps	2.4	1.3	1	3	1.5	1.2
	Locked rotor amps	4.3	2.4	1.9	6	3	2.9

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5kA.

NOTE - Extremes of operating range are plus and minus 10% of line voltage.

[1] Approximate field provided charge with 25 ft. line set. Refer to unit installation instructions for detailed charging information. HACR type circuit breaker or fuse.

[2] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

SPECIFICATIONS — 10 TON

Model			EL120KCSST	EL120KCSDT
Nominal Tonnage			**10**	**10**
Connections (sweat)		Liquid line (OD) - in.	(1) 5/8	(2) 3/8
		Suction line (OD) - in.	(1) 1-1/8	(2) 1-1/8
Refrigerant		Factory Charge	R-454B holding charge (2 lbs. per circuit)	
		Circuits	1	2
	[1] Field charge (25 ft. line set)	Circuit 1	21 lbs. 0 oz. (includes holding charge)	10 lbs. 12 oz. (includes holding charge)
		Circuit 2	- - -	10 lbs. 12 oz. (includes holding charge)
Compressor Type (Number)			Two Stage Scroll (1)	Two Stage Scroll (2)
Condenser Coil	Net face area - ft.²	Outer coil	29.3	29.3
		Inner coil	28.4	28.4
		Tube diameter - in.	3/8	3/8
		Rows	2	2
		Fins - in.	20	20
Condenser Fans		Diameter - in. (Number)	24 (2)	24 (2)
		Blades	3	3
		Motor HP (Number)	1/3 (2)	1/3 (2)
		Total Cfm	8300	8300
		Rpm	1075	1075
		Watts	830	830

ELECTRICAL DATA

Line voltage data - 60Hz - 3 phase			208/230V	460V	575V	208/230V	460V	575V
[2] Maximum Overcurrent Protection (amps)			60	30	25	40	20	15
[3] Minimum circuit ampacity			38	21	17	33	18	13
Compressor		Number of Compressors	1	1	1	2	2	2
		Rated load amps (total)	26.5	14	11.5	12.4 (24.8)	6.5 (13)	4.8 (9.6)
		Locked rotor amps (total)	255	123	93.7	93 (186)	60 (120)	41 (82)
Condenser Fan Motor (1 phase)		No. of motors	2	2	2	2	2	2
		Full load amps (total)	2.4 (4.8)	1.3 (2.6)	1 (2)	2.4 (4.8)	1.3 (2.6)	1 (2)
		Locked rotor amps (total)	4.3 (8.6)	2.4 (4.8)	1.9 (3.8)	4.3 (8.6)	2.4 (4.8)	1.9 (3.8)

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5kA.

NOTE - Extremes of operating range are plus and minus 10% of line voltage.

[1] Approximate field provided charge with 25 ft. line set. Refer to unit installation instructions for detailed charging information. HACR type circuit breaker or fuse.

[2] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

SPECIFICATIONS — 12.5 TON | 20 TON

Model			EL150KCSDT	EL180KCSDT	EL240KCSDT
Nominal Tonnage			**12.5**	**15**	**20**
Connections (sweat)		Liquid line (OD) - in.	(2) 3/8	(2) 5/8	(2) 5/8
		Suction line (OD) - in.	(2) 1-1/8	(2) 1-1/8	(2) 1-1/8
Refrigerant		Factory Charge	R-454B holding charge (2 lbs. per circuit)		
		Circuits	2	2	2
	[1] Field charge (25 ft. line set)	Circuit 1	12 lbs. 8 oz. (includes holding charge)	21 lbs. 0 oz. (includes holding charge)	19 lbs. 15 oz. (includes holding charge)
		Circuit 2	12 lbs. 8 oz. (includes holding charge)	22 lbs. 0 oz. (includes holding charge)	19 lbs. 15 oz. (includes holding charge)
Compressor Type (Number)			Two Stage Scroll (2)	Two Stage Scroll (2)	Two Stage Scroll (2)
Condenser Coil		Net face area - ft.² Outer coil	34.2	58.7	58.7
		Inner coil	33.3	57.7	57.7
		Tube diameter - in.	3/8	3/8	3/8
		Rows	2	2	2
		Fins - in.	20	20	20
Condenser Fans		Diameter - in. (Number)	24 (2)	24 (4)	24 (4)
		Blades	4	3	3
		Motor HP (Number)	1/2 (2)	1/3 (4)	1/3 (4)
		Total Cfm	10,300	16,600	16,600
		Rpm	1075	1075	1075
		Watts	1130	1660	1660

ELECTRICAL DATA

Line voltage data - 60Hz - 3 phase		208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V
[2] Maximum Overcurrent Protection (amps)		60	30	20	90	40	30	90	50	40
[3] Minimum circuit ampacity		50	24	17	70	30	25	70	37	30
Compressor	Number of Compressors	2	2	2	2	2	2	2	2	2
	Rated load amps (total)	19.2 (38.4)	9.1 (18.2)	6.2 (12.4)	26.3 (52.6)	11 (22)	9.2 (18.4)	26.5 (53)	14 (28)	11.5 (23)
	Locked rotor amps (total)	162.3 (324.6)	70.8 (141.6)	58.2 (116.4)	178.5 (357)	95.3 (190.6)	65 (130)	255 (510)	123 (246)	93.7 (187.4)
Condenser Fan Motor (1 phase)	No. of motors	2	2	2	4	4	4	4	4	4
	Full load amps (total)	3 (6)	1.5 (3)	1.2 (2.4)	2.4 (9.6)	1.3 (5.2)	1 (4)	2.4 (9.6)	1.3 (5.2)	1 (4)
	Locked rotor amps (total)	6 (12)	3 (6)	2.9 (5.8)	4.3 (17.2)	2.4 (9.6)	1.9 (7.6)	4.3 (17.2)	2.4 (9.6)	1.9 (7.6)

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5kA.

NOTE - Extremes of operating range are plus and minus 10% of line voltage.

[1] Approximate field provided charge with 25 ft. line set. Refer to unit installation instructions for detailed charging information. HACR type circuit breaker or fuse.

[2] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

WEIGHT DATA

Size	Net		Shipping	
	lbs.	kg	lbs.	kg
072KCSST	318	144	338	153
090KCSST	345	157	365	166
120KCSST	452	205	477	216
120KCSDT	486	220	511	232
150KCSDT	535	243	560	254
180KCSDT	784	356	809	367
240KCSDT	864	392	889	403

OPTIONS / ACCESSORIES

COMBINED COIL/HAIL GUARDS

072, 090	40	18	45	20
120	45	20	50	23
150	45	20	50	23
180, 240	90	41	100	45

OPTIONS / ACCESSORIES

Item	Order Number	EL 072 KCSS	EL 090 KCSS	EL 120 KCSS	EL 120 KCSD	EL 150 KCSD	EL 180 KCSD	EL 240 KCSD
CABINET								
Combined Coil/Hail Guards	**13T29**	X	X					
	13T30			X	X			
	13T32					X		
	13T37						X	X
COOLING								
Low Ambient Control (0ºF)	**37P63**	X	X	X				
	37P60				X			
	37P62					X	X	X
CONTROLS								
Furnace Twinning Panel	**Y3653**		X	X				
ELECTRICAL								
GFI Service Outlets — 15 amp non-powered, field-wired (208/230V, 460V only)	**74M70**	X	X	X	X	X	X	X
GFI Service Outlets — 20 amp non-powered, field-wired (575V only)	**67E01**	X	X	X	X	X	X	X
INDOOR AIR QUALITY								
Sensor - Wall-mount, off-white plastic cover with LCD display	**24C58**	X	X	X	X	X	X	X
Sensor - Wall-mount, off-white plastic cover, no display	**23V86**	X	X	X	X	X	X	X
Sensor - Black plastic case with LCD display, rated for plenum mounting	**87N52**	X	X	X	X	X	X	X
Sensor - Wall-mount, black plastic case, no display, rated for plenum mounting	**23V87**	X	X	X	X	X	X	X
CO_2 Sensor Duct Mounting Kit	**23Y47**	X	X	X	X	X	X	X
Aspiration Box - for duct mounting non-plenum rated CO_2 sensor (**24C58**)	**90N43**	X	X	X	X	X	X	X

NOTE - The order numbers that appear here are for ordering field installed accessories only.

O - Factory Installed with extended lead time.

X - Field Installed

SOUND DATA

Model	Octave Band Sound Power Levels dBA, re 10^{-12} Watts Center Frequency - HZ							[1] Sound Rating Number (dBA)	[2] Estimated Sound Pressure Level at Distance From Unit (dBA at distance in ft.)				
	125	250	500	1000	2000	4000	8000		3	5	10	15	50
EL072KCSST	65	68	73	76	72	68	63	81	74	69	63	60	49
EL090KCSST	64	69	73	77	74	70	63	81	74	69	63	60	49
EL120KCSST	70	77	82	81	77	75	71	86	79	74	68	65	54
EL120KCSDT	71	77	80	80	77	72	67	85	78	73	67	64	53
EL150KCSDT	68	77	80	82	78	73	65	86	79	74	68	65	54
EL180KCSDT	73	80	83	83	79	74	66	88	81	76	70	67	56
EL240KCSDT	73	80	85	84	80	78	74	89	82	77	71	68	57

NOTE - The octave sound power data does not include tonal correction.

[1] Tested according to AHRI Standard 270-2008 test conditions. Sound rating Number is the overall A-Weighted Sound Power Level, (LWA), dB (100 Hz to 10,000 Hz).

[2] Estimated sound pressure level at distance based on AHRI Standard 275-2010 method for equipment located on the ground, roof, or on side of building wall with no adjacent reflective surface within 9.8 feet. Sound pressure levels will increase based on changes to assumptions. For other applications, refer to AHRI Standard 275.

AHRI SYSTEM MATCHES — ONE OUTDOOR UNIT + ONE INDOOR UNIT

Model	Cooling Btuh	IEER	EER	Air Handler	Expansion Device	AHRI Reference
EL072KCSST	69,000	15.00	11.50	EL072KASS	Factory TXV	217048094
EL072KCSST	71,000	14.80	11.20	EL090KASD	Factory TXV	217048095
EL090KCSST	89,000	14.80	11.20	EL090KASD	Factory TXV	217048096
EL090KCSST	90,000	14.80	11.20	EL120KASD	Factory TXV	217048097
EL120KCSST	115,000	14.80	11.20	EL120KASD	Factory TXV	217048098
EL120KCSDT	115,000	14.80	11.20	EL120KASD	Factory TXV	217048099
EL150KCSDT	136,000	14.20	11.00	EL150KASD	Factory TXV	217048100
EL150KCSDT	142,000	14.20	11.00	EL180KASD	Factory TXV	217048101
EL180KCSDT	176,000	14.20	11.00	EL180KASD	Factory TXV	217048102
EL180KCSDT	196,000	14.20	11.00	EL240KASD	Factory TXV	217048103
EL240KCSDT	228,000	14.20	11.00	EL240KASD	Factory TXV	217048104

NOTES - Units with capacity of 65,000 Btuh or greater are AHRI Certified to AHRI Standard 340/360: 95°F outdoor air temperature, 80°F db/67°F wb entering evaporator air (minimum external duct static pressure) with 25 ft. of connecting refrigerant lines.

AHRI SYSTEM MATCHES — TWO OUTDOOR UNITS + ONE INDOOR UNIT

Model	Cooling Btuh	IEER	EER	Indoor Coil or Air Handler	Expansion Device	AHRI Reference
(2) EL090KCSST	170,000	14.20	11.00	EL180KASD	Factory TXV	217048116
(2) EL120KCSST	232,000	14.20	11.00	EL240KASD	Factory TXV	217048117

NOTES - Units with capacity of 65,000 Btuh or greater are AHRI Certified to AHRI Standard 340/360: 95°F outdoor air temperature, 80°F db/67°F wb entering evaporator air (minimum external duct static pressure) with 25 ft. of connecting refrigerant lines.

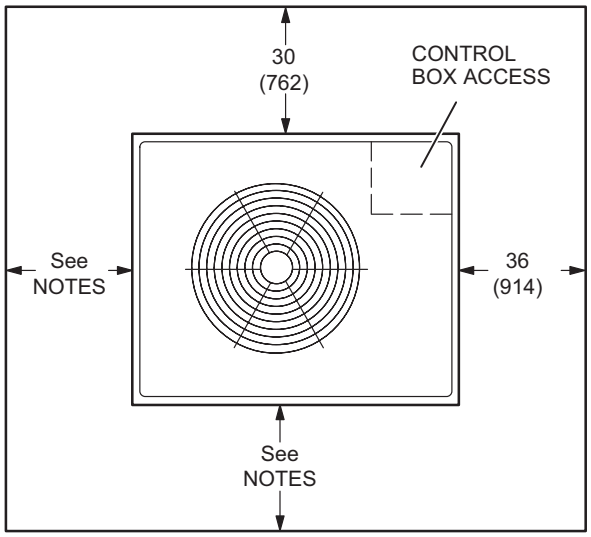
AHRI SYSTEM MATCHES — ONE OUTDOOR UNIT + TWO INDOOR UNITS

Model	Cooling Btuh	IEER	EER	Indoor Coil or Air Handler	Furnace	Expansion Device	AHRI Reference
EL180KCSDT	180,000	14.20	11.00	(2) EL090KASD	- - -	Factory TXV	217048105
EL240KCSDT	232,000	14.20	11.00	(2) EL120KASD	- - -	Factory TXV	217048106

NOTES - Units with capacity of 65,000 Btuh or greater are AHRI Certified to AHRI Standard 340/360: 95°F outdoor air temperature, 80°F db/67°F wb entering evaporator air (minimum external duct static pressure) with 25 ft. of connecting refrigerant lines.

UNIT CLEARANCES

EL072 and EL090



NOTES:

Clearance to one of the remaining two sides may be 12 in. (305 mm) and the final side may be 6 in. (152 mm).

A clearance of 24 in. (610 mm) must be maintained between two units.

48 in. (1219 mm) clearance required on top of unit.

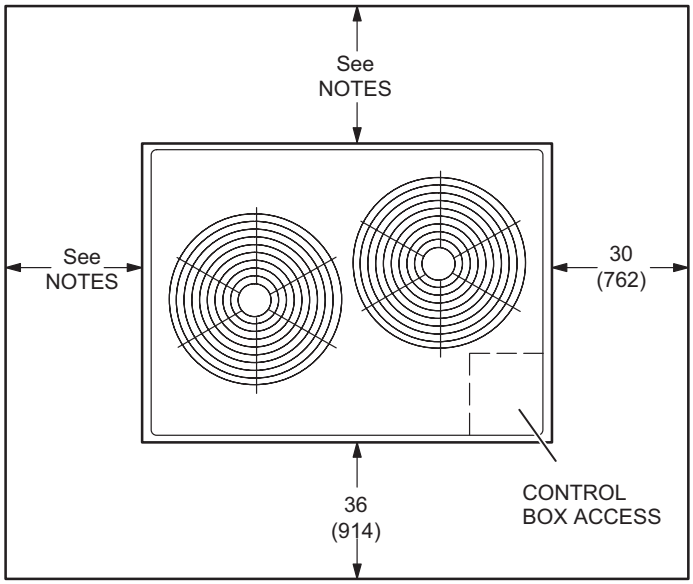
EL120 and EL150

NOTES:

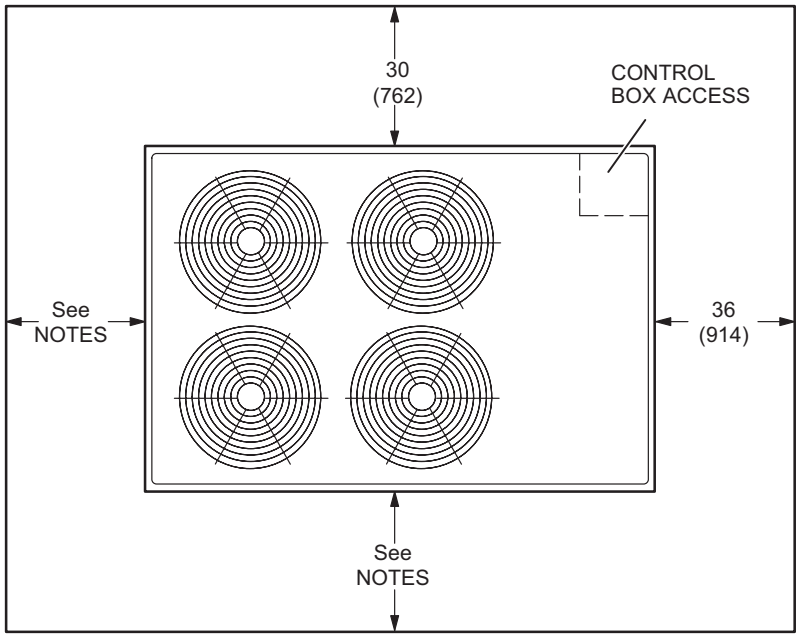
Clearance to one of the remaining two sides may be 12 in. (305 mm) and the final side may be 6 in. (152 mm).

A clearance of 24 in. (610 mm) must be maintained between two units.

48 in. (1219 mm) clearance required on top of unit.



EL180 and EL240



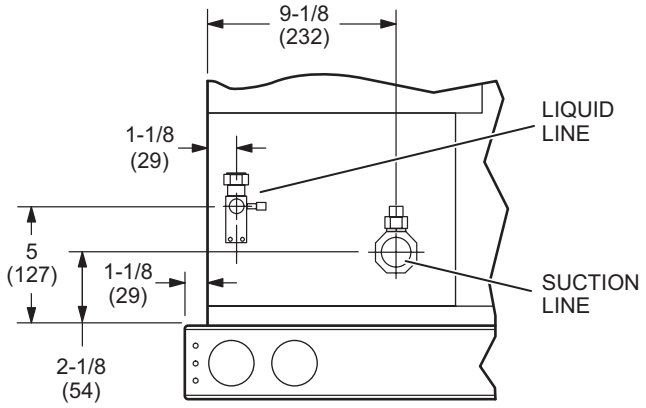
NOTES:

Clearance to one of the remaining two sides may be 12 in. (305 mm) and the final side may be 6 in. (152 mm).

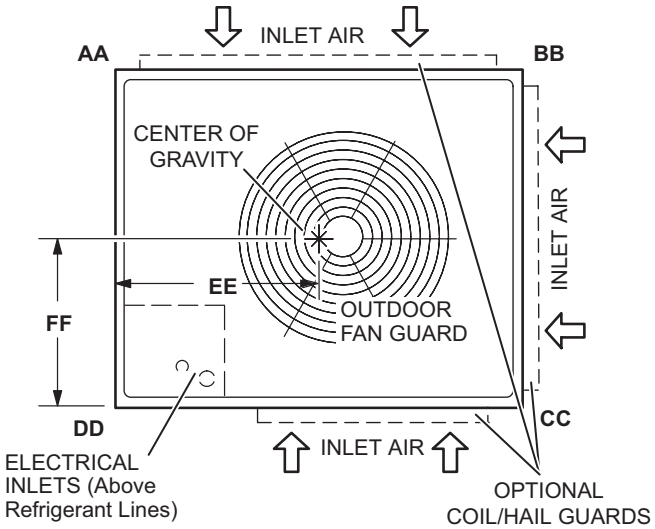
A clearance of 24 in. (610 mm) must be maintained between two units.

48 in. (1219 mm) clearance required on top of unit.

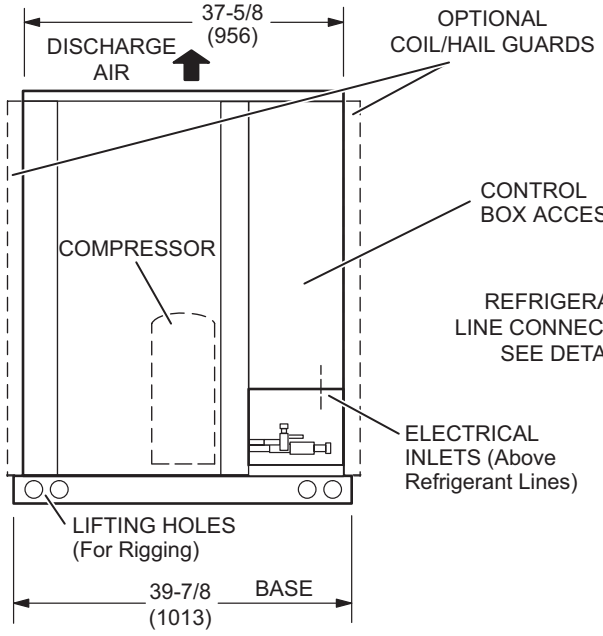
Model	CORNER WEIGHTS								CENTER OF GRAVITY			
	AA		BB		CC		DD		EE		FF	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm
EL072KCSST	66	30	73	33	97	44	82	37	23-1/4	591	19-1/4	489
EL090KCSST	75	34	89	40	112	51	88	40	25	635	20-1/4	514



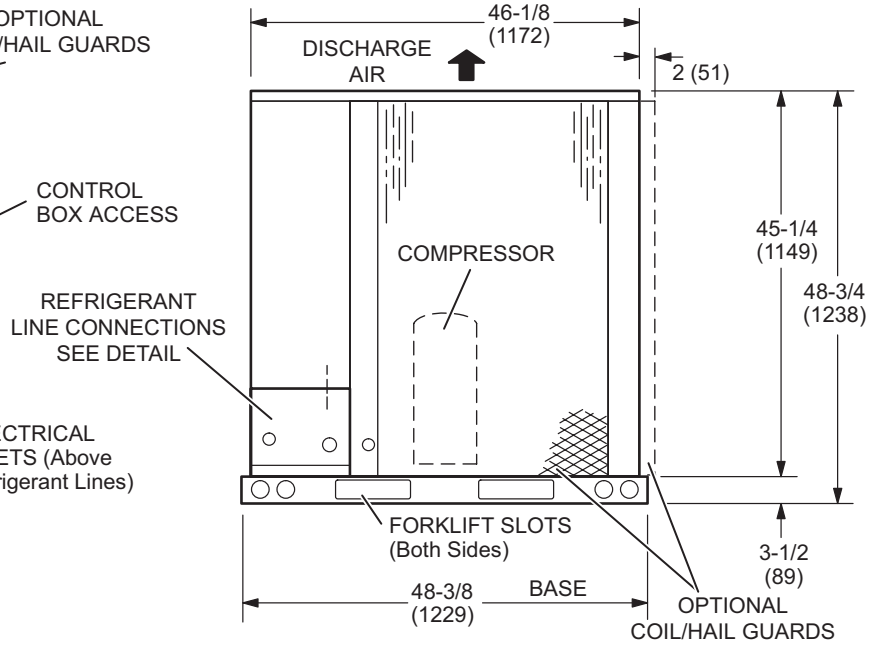
REFRIGERANT LINE CONNECTIONS DETAIL



TOP VIEW



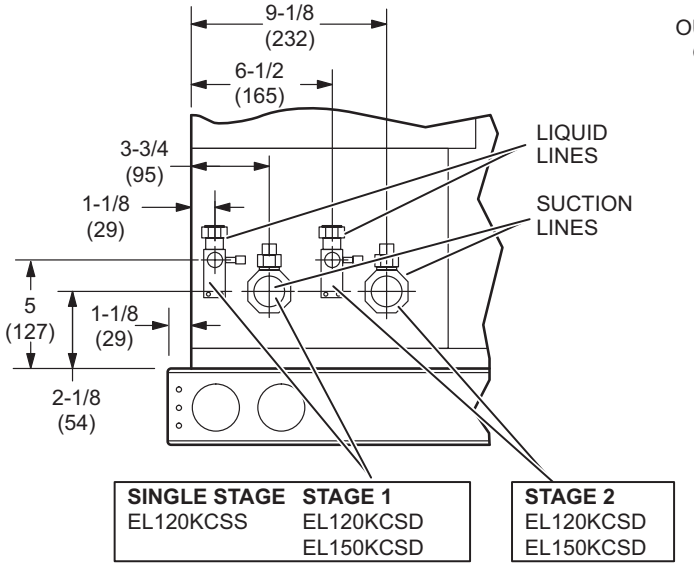
FRONT VIEW



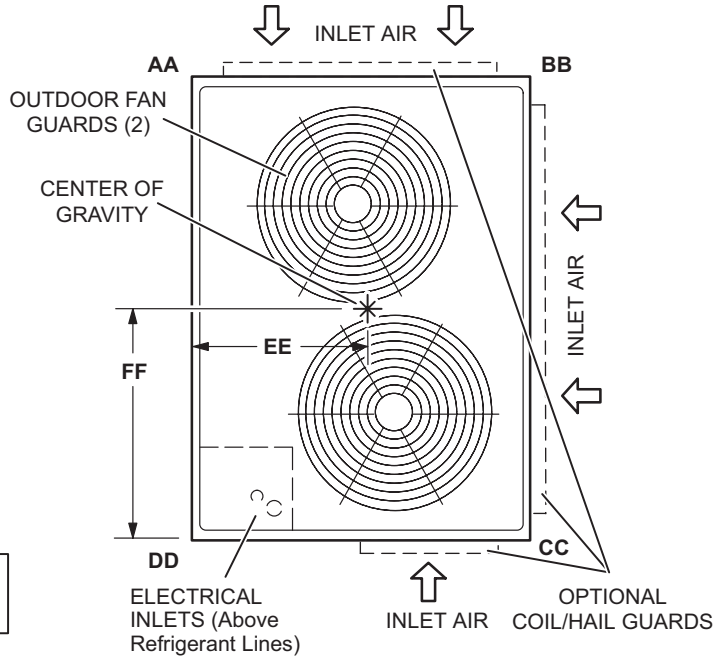
SIDE VIEW

DIMENSIONS — EL120KCSST | EL120KCSDT | EL150KCSDT

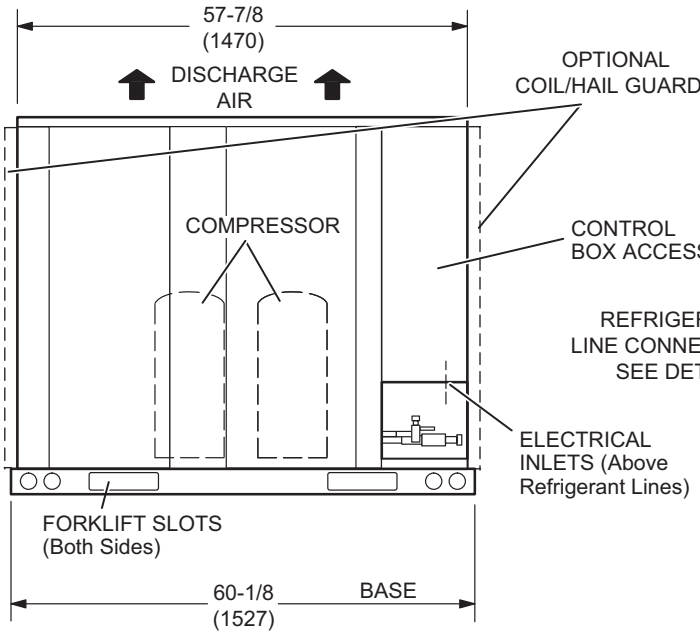
Model	CORNER WEIGHTS								CENTER OF GRAVITY			
	AA		BB		CC		DD		EE		FF	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm
EL120KCSST	130	59	124	56	107	49	111	50	20-1/2	521	33-1/2	851
EL120KCSDT	122	55	119	54	127	58	131	59	21	533	28-1/2	724
EL150KCSDT	144	66	132	60	133	60	145	66	19	483	30	762



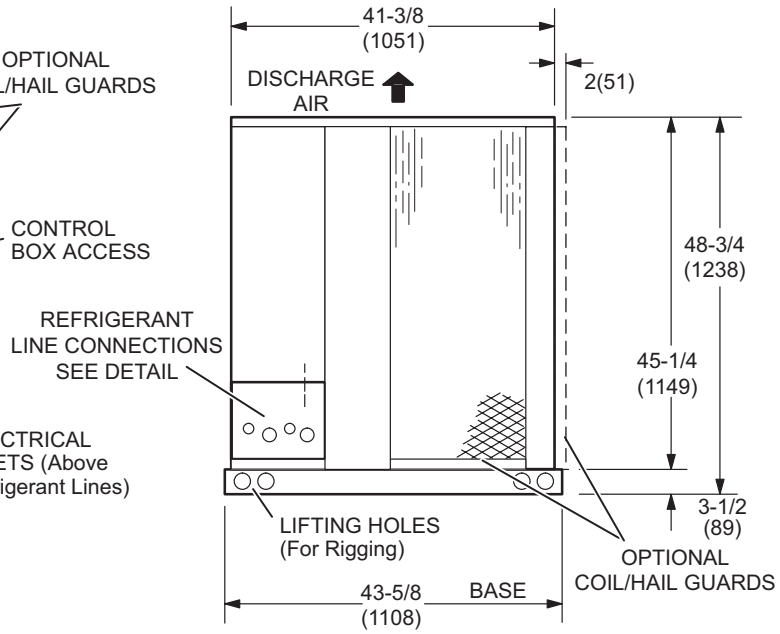
REFRIGERANT LINE CONNECTIONS DETAIL



TOP VIEW

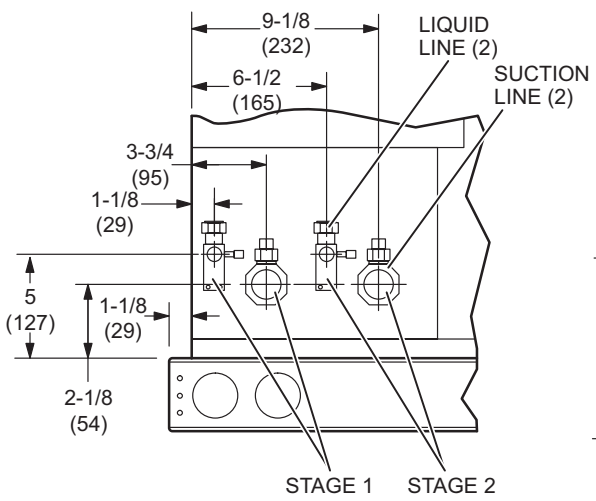


FRONT VIEW

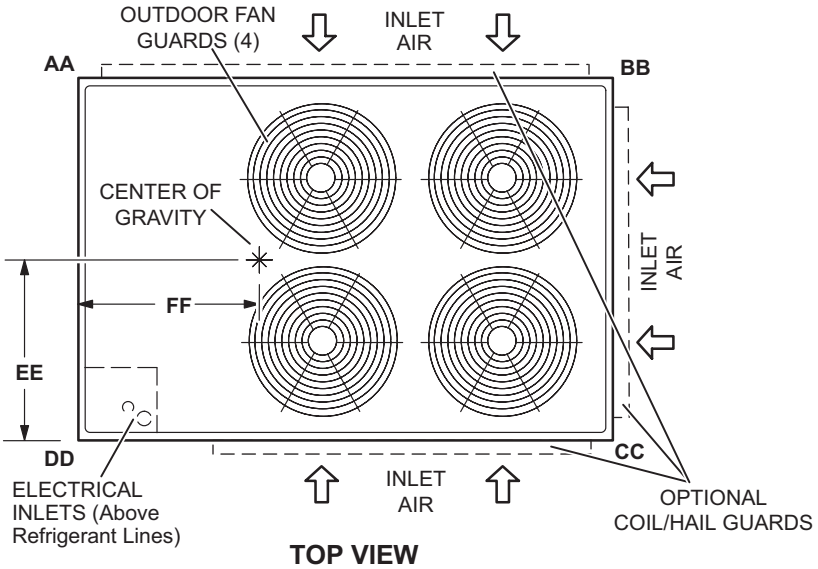


SIDE VIEW

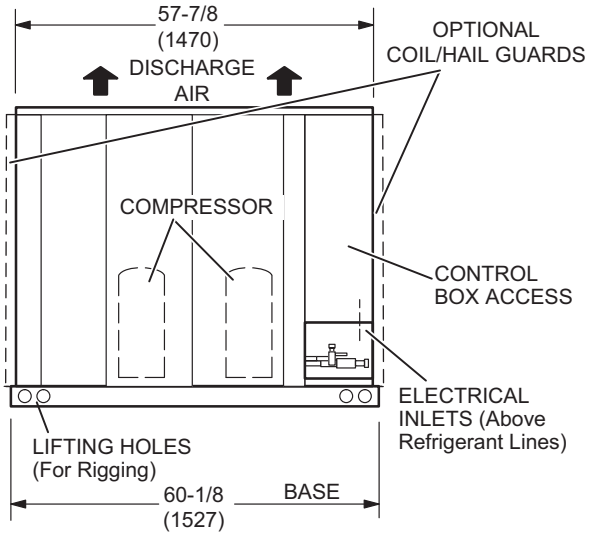
Model	CORNER WEIGHTS								CENTER OF GRAVITY			
	AA		BB		CC		DD		EE		FF	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm
EL180KCSDT	181	82	177	81	215	98	221	100	29	737	38	965
EL240KCSDT	192	87	189	86	232	105	238	108	29	737	37-1/2	953



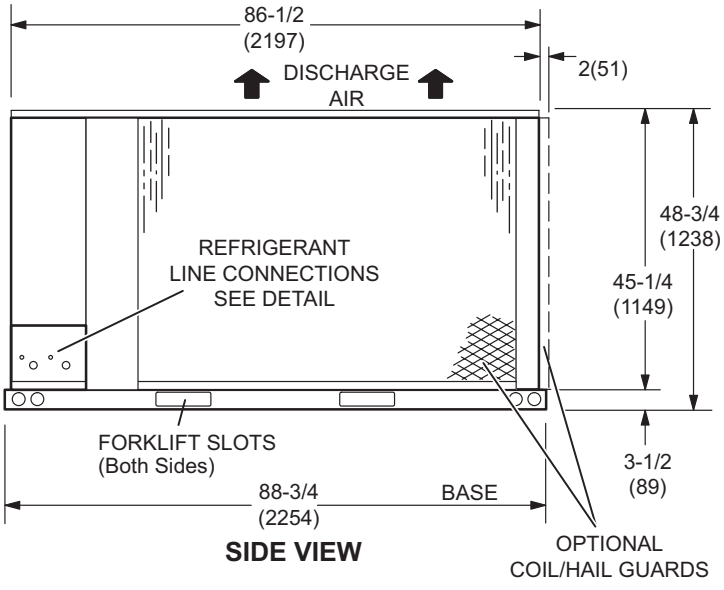
REFRIGERANT LINE CONNECTIONS DETAIL



TOP VIEW



FRONT VIEW



SIDE VIEW

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

EL072KCSST + EL072KASS - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1280	50.3	2.23	0.69	0.82	0.95	48.6	2.57	0.7	0.83	0.97	46.7	2.98	0.71	0.85	0.99	44.3	3.44	0.73	0.88	1
	1600	53.4	2.22	0.73	0.89	1	51.5	2.57	0.75	0.91	1	49.5	2.98	0.76	0.93	1	46.7	3.44	0.79	0.96	1
	1920	55.8	2.22	0.79	0.96	1	53.7	2.57	0.8	0.98	1	51.1	2.98	0.82	1	1	48.9	3.43	0.85	1	1
67°F	1280	53.7	2.22	0.56	0.67	0.78	51.9	2.57	0.57	0.68	0.79	49.9	2.98	0.58	0.69	0.81	47.3	3.44	0.58	0.71	0.83
	1600	56.9	2.21	0.59	0.71	0.85	54.9	2.56	0.6	0.73	0.87	52.3	2.97	0.61	0.74	0.89	49.7	3.43	0.62	0.76	0.92
	1920	59.2	2.2	0.62	0.76	0.92	56.5	2.56	0.63	0.78	0.94	54.1	2.97	0.64	0.8	0.97	51.4	3.42	0.66	0.83	1
71°F	1280	56.9	2.21	0.44	0.55	0.65	55	2.56	0.45	0.55	0.66	52.6	2.97	0.45	0.56	0.67	50.4	3.43	0.46	0.57	0.68
	1600	60.3	2.2	0.46	0.58	0.69	57.7	2.55	0.46	0.59	0.7	55.4	2.96	0.47	0.6	0.72	52.7	3.42	0.48	0.61	0.74
	1920	62.7	2.19	0.48	0.61	0.74	59.9	2.54	0.48	0.62	0.75	57.5	2.95	0.49	0.63	0.78	54.6	3.41	0.5	0.65	0.79

EL072KCSST + EL072KASS - 1 COMPRESSOR - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1920	68.1	4.27	0.73	0.86	1	64.7	4.85	0.74	0.89	1	61.4	5.51	0.76	0.92	1	58.2	6.27	0.78	0.95	1
	2400	71	4.3	0.78	0.95	1	67.6	4.88	0.8	0.98	1	64.1	5.54	0.82	1	1	60.4	6.3	0.85	1	1
	2880	73.4	4.33	0.83	1	1	69.9	4.91	0.86	1	1	66.6	5.57	0.89	1	1	63.2	6.33	0.92	1	1
67°F	1920	71.6	4.31	0.58	0.71	0.83	68.2	4.89	0.6	0.72	0.85	65.1	5.56	0.61	0.74	0.88	61	6.31	0.62	0.76	0.92
	2400	74.7	4.35	0.62	0.77	0.91	71.2	4.92	0.64	0.78	0.94	67.5	5.58	0.65	0.8	0.97	63.5	6.34	0.67	0.83	1
	2880	77.2	4.37	0.66	0.82	0.99	73.4	4.95	0.67	0.84	1	69.6	5.61	0.69	0.87	1	65.5	6.36	0.71	0.91	1
71°F	1920	75.3	4.35	0.46	0.58	0.69	71.9	4.93	0.47	0.58	0.7	68.2	5.6	0.47	0.6	0.72	64.5	6.35	0.48	0.62	0.74
	2400	78.6	4.39	0.49	0.62	0.74	75	4.97	0.49	0.63	0.76	71.1	5.64	0.49	0.64	0.78	66.9	6.38	0.5	0.66	0.81
	2880	81.1	4.43	0.49	0.65	0.79	77.2	5.01	0.5	0.67	0.82	73	5.66	0.51	0.69	0.85	68.3	6.4	0.52	0.71	0.89

EL072KCSST + EL090KASD - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1280	52.7	2.14	0.66	0.78	0.96	50.9	2.47	0.67	0.81	0.99	48.9	2.87	0.68	0.83	1	46.2	3.31	0.69	0.87	1
	1600	56	2.13	0.7	0.89	1	53.9	2.47	0.73	0.92	1	51.3	2.86	0.73	0.95	1	48.7	3.3	0.75	1	1
	1920	58.3	2.13	0.76	0.99	1	55.7	2.47	0.79	1	1	53.3	2.86	0.82	1	1	51.2	3.3	0.85	1	1
67°F	1280	56.7	2.13	0.53	0.64	0.74	54.6	2.47	0.54	0.64	0.76	52.1	2.86	0.55	0.66	0.78	49.6	3.3	0.56	0.67	0.81
	1600	59.9	2.12	0.56	0.69	0.84	57.3	2.46	0.57	0.7	0.87	54.7	2.85	0.58	0.71	0.91	52.2	3.29	0.59	0.73	0.95
	1920	61.8	2.11	0.6	0.73	0.94	59.2	2.45	0.61	0.76	0.98	56.7	2.85	0.63	0.79	1	53.8	3.29	0.64	0.83	1
71°F	1280	60.3	2.12	0.42	0.52	0.62	57.8	2.46	0.41	0.53	0.62	55.7	2.85	0.43	0.55	0.64	52.8	3.29	0.44	0.55	0.65
	1600	63.4	2.11	0.44	0.56	0.67	60.8	2.44	0.45	0.56	0.68	58.4	2.84	0.45	0.58	0.7	55.4	3.28	0.46	0.59	0.71
	1920	65.5	2.09	0.46	0.58	0.71	63.3	2.44	0.47	0.61	0.73	60.4	2.83	0.48	0.62	0.76	57.4	3.28	0.48	0.63	0.79

EL072KCSST + EL090KASD - 1 COMPRESSOR - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1920	69.7	4.17	0.67	0.84	1	66.8	4.74	0.69	0.88	1	63	5.38	0.71	0.93	1	59.5	6.12	0.73	0.98	1
	2400	73.3	4.21	0.73	0.98	1	69.8	4.77	0.76	1	1	65.7	5.41	0.79	1	1	62.3	6.15	0.84	1	1
	2880	75.6	4.24	0.82	1	1	72.5	4.81	0.86	1	1	69	5.45	0.91	1	1	65.3	6.19	0.98	1	1
67°F	1920	73.9	4.22	0.54	0.66	0.79	70.2	4.78	0.55	0.66	0.83	66.9	5.42	0.56	0.69	0.88	62.9	6.15	0.58	0.71	0.93
	2400	77.1	4.26	0.58	0.71	0.93	73.4	4.82	0.59	0.73	0.99	69.6	5.46	0.62	0.78	1	65.5	6.19	0.62	0.82	1
	2880	79.6	4.29	0.62	0.79	1	75.7	4.85	0.62	0.84	1	71.6	5.49	0.65	0.88	1	66.9	6.2	0.67	0.95	1
71°F	1920	78	4.27	0.43	0.53	0.64	74.5	4.83	0.44	0.55	0.66	70.6	5.48	0.44	0.56	0.67	66.2	6.2	0.45	0.58	0.69
	2400	81.5	4.31	0.45	0.58	0.7	77.4	4.87	0.46	0.58	0.72	73	5.51	0.46	0.61	0.74	69.2	6.24	0.48	0.63	0.79
	2880	83.5	4.34	0.48	0.62	0.77	79.9	4.9	0.49	0.64	0.81	75	5.54	0.5	0.65	0.87	70.4	6.26	0.51	0.67	0.92

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

EL090KCSST + EL090KASD - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1600	67.2	2.87	0.66	0.79	0.95	64.5	3.37	0.68	0.81	0.98	61.7	3.93	0.69	0.83	1	58.2	4.57	0.7	0.87	1
	2000	70.9	2.84	0.71	0.88	1	67.7	3.35	0.72	0.91	1	64.7	3.92	0.74	0.95	1	61.1	4.56	0.77	0.99	1
	2400	73.8	2.82	0.77	0.98	1	70.4	3.34	0.79	1	1	66.9	3.91	0.82	1	1	63.8	4.55	0.85	1	1
67°F	1600	71.8	2.83	0.54	0.65	0.74	68.6	3.35	0.55	0.65	0.77	65.6	3.92	0.56	0.67	0.78	62.3	4.55	0.57	0.68	0.82
	2000	75.8	2.81	0.57	0.69	0.84	72.2	3.33	0.58	0.7	0.87	68.7	3.9	0.59	0.72	0.9	65.1	4.54	0.6	0.74	0.94
	2400	78	2.79	0.61	0.74	0.93	74.8	3.32	0.61	0.77	0.97	71.1	3.89	0.63	0.79	1	67.4	4.53	0.64	0.83	1
71°F	1600	75.9	2.81	0.43	0.53	0.63	72.9	3.32	0.43	0.54	0.64	69.7	3.9	0.44	0.54	0.65	66.2	4.54	0.45	0.55	0.66
	2000	80.1	2.78	0.45	0.57	0.67	77.1	3.3	0.45	0.57	0.68	73.1	3.88	0.46	0.58	0.7	69.4	4.53	0.47	0.59	0.72
	2400	82.8	2.76	0.47	0.6	0.72	79.3	3.28	0.47	0.6	0.74	75.6	3.87	0.48	0.62	0.77	71.8	4.52	0.49	0.64	0.78

EL090KCSST + EL090KASD - 1 COMPRESSOR - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	2400	91.2	6.13	0.7	0.83	1	86.4	6.86	0.71	0.87	1	82.1	7.7	0.73	0.9	1	77.9	8.65	0.75	0.94	1
	3000	95.6	6.2	0.75	0.94	1	90.5	6.93	0.77	0.98	1	86.3	7.78	0.8	1	1	80.7	8.7	0.84	1	1
	3600	98.5	6.24	0.83	1	1	93.7	6.98	0.85	1	1	89.3	7.83	0.89	1	1	84.4	8.76	0.94	1	1
67°F	2400	96.7	6.21	0.57	0.67	0.79	91.8	6.95	0.58	0.69	0.83	87.2	7.79	0.59	0.71	0.86	82.3	8.72	0.6	0.73	0.91
	3000	101	6.28	0.61	0.74	0.9	96.1	7.03	0.62	0.75	0.94	90.6	7.85	0.63	0.78	0.99	84.5	8.79	0.66	0.82	1
	3600	104.5	6.34	0.64	0.8	1	99	7.07	0.65	0.83	1	93.1	7.89	0.68	0.87	1	87.9	8.83	0.69	0.92	1
71°F	2400	102.2	6.3	0.45	0.55	0.66	97.6	7.05	0.46	0.56	0.67	92.6	7.89	0.46	0.58	0.69	86.8	8.81	0.47	0.59	0.72
	3000	107.1	6.38	0.48	0.6	0.72	101.2	7.12	0.48	0.6	0.73	96	7.95	0.49	0.63	0.75	90	8.87	0.5	0.65	0.8
	3600	109.7	6.43	0.49	0.64	0.78	104.2	7.17	0.5	0.65	0.82	98.5	8	0.52	0.67	0.85	92	8.91	0.52	0.69	0.9

EL090KCSST + EL120KASD - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1600	67.7	2.79	0.72	0.84	0.96	65	3.28	0.74	0.86	0.99	62	3.83	0.75	0.88	1	58.6	4.45	0.76	0.91	1
	2000	71.5	2.76	0.77	0.91	1	68.6	3.26	0.79	0.94	1	65	3.82	0.82	0.96	1	61.6	4.44	0.83	0.99	1
	2400	74.5	2.75	0.82	0.99	1	70.8	3.25	0.84	1	1	67.5	3.81	0.87	1	1	64.4	4.43	0.89	1	1
67°F	1600	72.2	2.76	0.59	0.7	0.81	69.5	3.26	0.6	0.71	0.82	66	3.81	0.6	0.73	0.84	62.8	4.43	0.62	0.74	0.86
	2000	76.4	2.73	0.62	0.75	0.88	72.7	3.24	0.63	0.76	0.9	69.4	3.8	0.64	0.79	0.93	65.6	4.42	0.66	0.8	0.96
	2400	78.8	2.71	0.65	0.8	0.95	75.4	3.23	0.66	0.82	0.98	71.8	3.78	0.68	0.85	1	68.3	4.42	0.7	0.87	1
71°F	1600	77	2.73	0.47	0.57	0.68	73.5	3.23	0.47	0.58	0.69	70.3	3.8	0.49	0.59	0.7	67	4.42	0.49	0.6	0.72
	2000	80.7	2.7	0.49	0.61	0.73	77.4	3.21	0.49	0.62	0.74	73.9	3.78	0.5	0.63	0.76	70	4.4	0.5	0.65	0.78
	2400	83.8	2.67	0.51	0.65	0.78	80.3	3.2	0.51	0.66	0.8	76.5	3.77	0.52	0.67	0.83	72.5	4.4	0.52	0.69	0.86

EL090KCSST + EL120KASD - 1 COMPRESSOR - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	2400	92.9	5.99	0.75	0.87	1	88.6	6.72	0.76	0.9	1	84.4	7.54	0.78	0.92	1	78.8	8.45	0.8	0.96	1
	3000	97.4	6.06	0.8	0.96	1	92.6	6.79	0.82	0.99	1	87.5	7.6	0.85	1	1	82.4	8.51	0.88	1	1
	3600	100.7	6.12	0.86	1	1	96.2	6.85	0.89	1	1	91.6	7.67	0.92	1	1	86.7	8.58	0.96	1	1
67°F	2400	98.7	6.08	0.6	0.72	0.84	94	6.81	0.62	0.74	0.87	89.2	7.63	0.64	0.76	0.89	84	8.53	0.64	0.78	0.93
	3000	103.7	6.16	0.64	0.78	0.93	98.4	6.88	0.66	0.8	0.96	93.3	7.69	0.67	0.83	0.99	86.6	8.59	0.7	0.85	1
	3600	107.1	6.22	0.69	0.85	1	101.2	6.93	0.7	0.87	1	95.6	7.74	0.72	0.9	1	89.5	8.64	0.75	0.94	1
71°F	2400	104.9	6.18	0.48	0.59	0.71	100.1	6.91	0.48	0.61	0.72	94.3	7.72	0.49	0.62	0.74	88.8	8.62	0.5	0.63	0.76
	3000	109.4	6.25	0.5	0.63	0.76	104	6.98	0.5	0.65	0.79	98.4	7.79	0.52	0.67	0.81	91.9	8.68	0.54	0.69	0.85
	3600	113	6.32	0.53	0.68	0.83	106.7	7.03	0.53	0.7	0.86	100.5	7.83	0.54	0.72	0.89	94.2	8.73	0.56	0.75	0.92

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

EL120KCSST + EL120KASD - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	2080	84.2	3.35	0.69	0.82	0.98	81.1	3.92	0.71	0.83	1	77	4.55	0.72	0.87	1	73.2	5.27	0.74	0.9	1
	2600	89	3.34	0.74	0.91	1	85.1	3.9	0.76	0.95	1	80.9	4.54	0.78	0.98	1	76.3	5.25	0.8	1	1
	3120	92.3	3.34	0.8	1	1	88.4	3.89	0.82	1	1	84.7	4.53	0.86	1	1	80.5	5.24	0.89	1	1
67°F	2080	90.1	3.34	0.56	0.67	0.78	86.3	3.9	0.57	0.68	0.79	82.3	4.53	0.58	0.7	0.82	78	5.25	0.59	0.71	0.86
	2600	94.1	3.33	0.6	0.73	0.87	90.6	3.89	0.61	0.74	0.9	86.2	4.52	0.61	0.76	0.93	81.7	5.23	0.63	0.78	0.98
	3120	97.5	3.33	0.64	0.78	0.97	93.5	3.88	0.65	0.8	1	89.5	4.51	0.66	0.83	1	84.3	5.23	0.67	0.87	1
71°F	2080	95.1	3.33	0.45	0.55	0.65	91.6	3.88	0.45	0.56	0.66	87.6	4.52	0.45	0.57	0.68	82.9	5.23	0.46	0.58	0.7
	2600	99.9	3.33	0.47	0.59	0.7	96.1	3.87	0.47	0.6	0.72	92	4.51	0.48	0.61	0.74	87.2	5.22	0.49	0.62	0.76
	3120	103.4	3.32	0.49	0.63	0.76	99.4	3.87	0.5	0.64	0.77	95.1	4.5	0.51	0.66	0.8	89.7	5.21	0.51	0.68	0.84

EL120KCSST + EL120KASD - 1 COMPRESSOR - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	3200	115.3	7.24	0.72	0.87	1	111	8.07	0.73	0.9	1	104.5	8.96	0.75	0.94	1	99.4	10	0.77	0.97	1
	4000	120.5	7.33	0.77	0.98	1	115.8	8.15	0.81	1	1	109.8	9.05	0.83	1	1	103.6	10.08	0.87	1	1
	4800	125	7.4	0.85	1	1	119.9	8.22	0.89	1	1	114.9	9.14	0.93	1	1	109.4	10.18	0.97	1	1
67°F	3200	123.1	7.37	0.58	0.7	0.83	116.8	8.17	0.6	0.71	0.86	111.4	9.08	0.61	0.73	0.9	104.3	10.09	0.62	0.75	0.93
	4000	128	7.46	0.62	0.76	0.94	121.6	8.24	0.62	0.78	0.98	115.9	9.16	0.66	0.81	1	108.8	10.18	0.66	0.85	1
	4800	131.3	7.53	0.66	0.84	1	125.8	8.32	0.68	0.86	1	119.3	9.22	0.69	0.9	1	111.1	10.23	0.71	0.96	1
71°F	3200	130.2	7.49	0.46	0.57	0.68	124.2	8.28	0.47	0.58	0.7	117.9	9.19	0.47	0.6	0.71	111.4	10.22	0.48	0.61	0.74
	4000	135	7.58	0.49	0.62	0.75	129.2	8.37	0.49	0.63	0.76	122.2	9.27	0.5	0.64	0.79	115.7	10.3	0.51	0.66	0.82
	4800	139.4	7.65	0.5	0.65	0.81	133	8.43	0.52	0.68	0.84	126.2	9.34	0.53	0.7	0.88	118	10.34	0.54	0.71	0.93

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

EL120KCSDT + EL120KASD - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	2080	42.8	1.75	0.67	0.79	0.98	41.2	2.04	0.68	0.81	1	39.2	2.39	0.69	0.85	1	36.9	2.78	0.71	0.9	1
	2600	45.4	1.73	0.71	0.91	1	43.5	2.03	0.73	0.95	1	41.3	2.38	0.75	1	1	39	2.77	0.79	1	1
	3120	47	1.72	0.79	1	1	45.3	2.02	0.81	1	1	42.9	2.37	0.85	1	1	40.8	2.76	0.92	1	1
67°F	2080	45.9	1.73	0.56	0.65	0.74	44	2.03	0.56	0.66	0.76	41.9	2.37	0.57	0.68	0.79	39.7	2.77	0.58	0.69	0.84
	2600	48.3	1.71	0.59	0.7	0.86	46.4	2.02	0.6	0.71	0.9	44.2	2.36	0.61	0.73	0.95	41.9	2.75	0.63	0.75	1
	3120	50.1	1.7	0.63	0.75	1	48.2	2	0.64	0.79	1	45.9	2.35	0.65	0.83	1	43.4	2.75	0.67	0.88	1
71°F	2080	48.6	1.71	0.45	0.54	0.63	46.8	2.01	0.46	0.55	0.64	44.9	2.36	0.47	0.56	0.66	42.6	2.75	0.47	0.58	0.67
	2600	51.3	1.69	0.48	0.58	0.69	49.4	1.99	0.48	0.59	0.7	47.2	2.35	0.49	0.61	0.72	44.7	2.74	0.5	0.62	0.74
	3120	53.3	1.67	0.5	0.63	0.74	51.2	1.98	0.51	0.63	0.76	49	2.34	0.53	0.65	0.79	46.3	2.73	0.54	0.67	0.83

EL120KCSDT + EL120KASD - 2 COMPRESSORS - PART LOAD / PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	2400	88.7	4.68	0.7	0.91	1	83.9	5.46	0.72	1	1	78.2	6.32	0.75	1	1	72.3	7.26	0.8	1	1
	3000	93.1	4.66	0.76	1	1	87.9	5.44	0.81	1	1	83.2	6.3	0.93	1	1	78.1	7.24	1	1	1
	3600	97.7	4.64	0.95	1	1	93.1	5.41	1	1	1	87.8	6.28	1	1	1	82.2	7.23	1	1	1
67°F	2400	94.9	4.65	0.58	0.69	0.83	90	5.43	0.59	0.71	0.91	84.4	6.3	0.61	0.73	1	77.9	7.24	0.63	0.76	1
	3000	99.2	4.63	0.62	0.75	1	93.7	5.41	0.64	0.78	1	87.9	6.28	0.66	0.87	1	81.2	7.23	0.69	1	1
	3600	102.8	4.62	0.68	0.91	1	96.7	5.4	0.69	1	1	90.7	6.27	0.72	1	1	83.2	7.22	0.76	1	1
71°F	2400	101.2	4.63	0.46	0.57	0.67	96	5.4	0.47	0.58	0.69	90.1	6.27	0.49	0.6	0.71	83.4	7.23	0.5	0.63	0.74
	3000	106.2	4.61	0.49	0.62	0.73	100.5	5.38	0.51	0.64	0.76	93.8	6.25	0.52	0.66	0.84	87.6	7.22	0.55	0.69	0.96
	3600	109.6	4.59	0.53	0.67	0.86	103.3	5.38	0.54	0.69	0.96	96.4	6.24	0.58	0.72	1	89.8	7.21	0.59	0.76	1

EL120KCSDT + EL120KASD - 2 COMPRESSORS - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	3200	119.4	7.01	0.67	0.85	1	113.4	7.87	0.69	0.93	1	108	8.88	0.71	1	1	102.2	10.03	0.73	1	1
	4000	125	7.11	0.73	1	1	118.9	7.98	0.76	1	1	112.9	8.99	0.84	1	1	107.1	10.15	0.91	1	1
	4800	129.2	7.19	0.89	1	1	124.1	8.09	0.97	1	1	118.6	9.12	1	1	1	112.2	10.28	1	1	1
67°F	3200	127.1	7.15	0.55	0.66	0.79	121.3	8.02	0.57	0.67	0.85	115	9.04	0.58	0.69	0.94	108.5	10.19	0.59	0.71	1
	4000	132.8	7.26	0.6	0.72	1	125.8	8.13	0.61	0.74	1	119.2	9.14	0.63	0.81	1	112.4	10.29	0.65	0.89	1
	4800	136.5	7.34	0.64	0.85	1	130	8.21	0.66	0.94	1	123.2	9.22	0.68	1	1	116.1	10.38	0.71	1	1
71°F	3200	134.9	7.3	0.45	0.55	0.64	128.3	8.17	0.46	0.56	0.66	121.9	9.19	0.47	0.57	0.68	115	10.36	0.48	0.59	0.7
	4000	140.5	7.42	0.48	0.6	0.71	133.7	8.29	0.49	0.61	0.72	126.7	9.31	0.5	0.63	0.78	119.4	10.47	0.51	0.65	0.85
	4800	144.5	7.5	0.51	0.64	0.84	137.1	8.38	0.53	0.67	0.91	130.1	9.39	0.55	0.69	1	122.7	10.55	0.56	0.72	1

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

EL150KCSDT + EL150KASD - PART LOAD (1 COMPRESSOR)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	2640	50.9	2.14	0.69	0.81	1	49.2	2.49	0.7	0.84	1	47	2.89	0.71	0.88	1	44.7	3.35	0.73	0.93	1
	3300	53.6	2.12	0.74	0.96	1	51.7	2.47	0.76	1	1	49.3	2.88	0.77	1	1	46.9	3.34	0.8	1	1
	3960	55.9	2.11	0.81	1	1	53.7	2.46	0.85	1	1	51.4	2.86	0.9	1	1	49.2	3.32	0.95	1	1
67°F	2640	54.3	2.12	0.57	0.67	0.77	52.6	2.47	0.58	0.68	0.78	50.2	2.87	0.59	0.69	0.83	47.9	3.33	0.6	0.71	0.87
	3300	57.3	2.1	0.61	0.73	0.91	55.2	2.45	0.62	0.74	0.94	53	2.85	0.63	0.76	0.99	49.8	3.31	0.65	0.78	1
	3960	59.2	2.09	0.65	0.78	1	56.9	2.44	0.67	0.82	1	54.9	2.84	0.69	0.86	1	51.9	3.3	0.7	0.92	1
71°F	2640	57.9	2.09	0.47	0.56	0.65	55.9	2.45	0.47	0.57	0.66	53.6	2.85	0.48	0.58	0.68	51.1	3.31	0.48	0.59	0.69
	3300	60.7	2.07	0.49	0.6	0.71	58.6	2.43	0.5	0.61	0.72	56.1	2.83	0.51	0.62	0.74	53.6	3.29	0.52	0.64	0.77
	3960	63	2.06	0.53	0.64	0.77	60.7	2.41	0.54	0.66	0.8	57.8	2.82	0.55	0.68	0.84	55.3	3.28	0.55	0.69	0.9

EL150KCSDT + EL150KASD - 2 COMPRESSORS - PART LOAD / PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	3000	102.5	5.65	0.74	0.96	1	97.9	6.54	0.76	1	1	92	7.56	0.78	1	1	86.3	8.74	0.82	1	1
	3750	107.5	5.63	0.81	1	1	102.6	6.52	0.86	1	1	97.5	7.55	0.95	1	1	92.1	8.72	1	1	1
	4500	112.8	5.6	1	1	1	108	6.5	1	1	1	102.6	7.53	1	1	1	96.6	8.7	1	1	1
67°F	3000	109.5	5.62	0.61	0.73	0.88	104.3	6.52	0.62	0.75	0.96	98.7	7.54	0.64	0.77	1	91.8	8.72	0.66	0.8	1
	3750	114.3	5.6	0.66	0.8	1	109	6.5	0.68	0.82	1	102.3	7.53	0.7	0.92	1	95.8	8.7	0.73	1	1
	4500	118.1	5.58	0.71	0.96	1	112	6.48	0.73	1	1	104.9	7.52	0.76	1	1	98.4	8.69	0.8	1	1
71°F	3000	116.6	5.58	0.5	0.61	0.71	110.8	6.49	0.51	0.62	0.73	104.4	7.52	0.52	0.63	0.76	97.9	8.69	0.53	0.65	0.79
	3750	121.2	5.56	0.53	0.66	0.78	115.6	6.46	0.55	0.68	0.81	108.8	7.5	0.55	0.71	0.88	101.9	8.67	0.58	0.73	0.99
	4500	125	5.54	0.56	0.71	0.93	118.9	6.44	0.59	0.74	1	111.6	7.48	0.61	0.76	1	104.7	8.65	0.62	0.8	1

EL150KCSDT + EL150KASD - 2 COMPRESSORS - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	4000	139	8.12	0.72	0.91	1	133.3	9.26	0.74	0.97	1	125.9	10.55	0.76	1	1	118.8	12.04	0.78	1	1
	5000	145.6	8.17	0.79	1	1	138.4	9.3	0.82	1	1	131.6	10.6	0.89	1	1	124.7	12.08	0.99	1	1
	6000	150.7	8.21	0.94	1	1	144.2	9.35	1	1	1	137.3	10.65	1	1	1	130.1	12.12	1	1	1
67°F	4000	146.9	8.18	0.6	0.71	0.85	140.5	9.32	0.61	0.73	0.92	133.1	10.61	0.62	0.75	0.99	125.9	12.09	0.65	0.77	1
	5000	153.1	8.23	0.66	0.78	1	146.3	9.37	0.66	0.8	1	138.6	10.66	0.69	0.87	1	130.4	12.13	0.71	0.96	1
	6000	157.5	8.27	0.7	0.92	1	150.4	9.41	0.72	1	1	141.4	10.69	0.74	1	1	133.3	12.15	0.76	1	1
71°F	4000	155.1	8.25	0.49	0.6	0.7	148	9.39	0.5	0.61	0.72	140.4	10.68	0.51	0.63	0.74	132	12.14	0.53	0.64	0.76
	5000	161.4	8.31	0.53	0.65	0.77	153.8	9.44	0.55	0.66	0.79	145	10.72	0.56	0.69	0.84	136.9	12.19	0.57	0.71	0.93
	6000	165.9	8.35	0.57	0.7	0.9	157.4	9.48	0.58	0.71	0.99	149	10.76	0.59	0.74	1	140.3	12.21	0.62	0.77	1

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

EL150KCSDT + EL180KASD - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	2640	51.1	2.1	0.64	0.77	0.97	49.4	2.44	0.65	0.79	1	47.5	2.84	0.67	0.82	1	44.9	3.29	0.68	0.87	1
	3300	54.2	2.08	0.68	0.88	1	52.2	2.43	0.7	0.91	1	49.7	2.82	0.72	0.96	1	47.2	3.27	0.74	1	1
	3960	56.4	2.07	0.75	1	1	54	2.42	0.77	1	1	51.7	2.81	0.8	1	1	49.3	3.26	0.85	1	1
67°F	2640	54.6	2.08	0.52	0.62	0.72	52.6	2.42	0.53	0.63	0.74	50.2	2.82	0.54	0.65	0.77	47.9	3.27	0.55	0.66	0.81
	3300	57.3	2.06	0.55	0.67	0.83	55.3	2.41	0.56	0.68	0.86	53.3	2.8	0.57	0.7	0.9	50.4	3.26	0.59	0.72	0.95
	3960	59.5	2.05	0.59	0.72	0.94	57.3	2.39	0.6	0.74	0.99	54.9	2.79	0.61	0.78	1	52.2	3.24	0.63	0.82	1
71°F	2640	57.8	2.06	0.41	0.51	0.6	55.7	2.4	0.42	0.51	0.61	53.5	2.8	0.42	0.53	0.63	51.1	3.25	0.43	0.53	0.64
	3300	60.9	2.04	0.43	0.54	0.65	58.7	2.38	0.44	0.55	0.66	56.3	2.78	0.45	0.57	0.68	53.7	3.23	0.45	0.59	0.7
	3960	63.1	2.02	0.45	0.58	0.7	60.9	2.37	0.48	0.6	0.71	58.3	2.77	0.47	0.61	0.76	55.5	3.22	0.49	0.62	0.79

EL150KCSDT + EL180KASD - 2 COMPRESSORS - PART LOAD / PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	3000	102.7	5.5	0.7	0.89	1	97.6	6.37	0.71	0.95	1	92.4	7.37	0.73	1	1	86.5	8.51	0.76	1	1
	3750	107.9	5.48	0.75	1	1	102.5	6.36	0.79	1	1	97.3	7.36	0.85	1	1	92	8.49	0.93	1	1
	4500	112.5	5.46	0.88	1	1	108	6.34	0.93	1	1	102.5	7.33	1	1	1	96.8	8.47	1	1	1
67°F	3000	109.4	5.48	0.57	0.68	0.83	104	6.35	0.58	0.7	0.88	98.4	7.35	0.59	0.72	0.94	92.2	8.49	0.61	0.74	1
	3750	114.5	5.45	0.6	0.74	1	108.9	6.33	0.63	0.76	1	102.8	7.33	0.64	0.82	1	96.3	8.47	0.66	0.89	1
	4500	118.4	5.43	0.65	0.84	1	112.5	6.31	0.67	0.9	1	105.8	7.32	0.69	0.97	1	98.6	8.46	0.71	1	1
71°F	3000	116	5.45	0.45	0.56	0.66	110.4	6.32	0.45	0.57	0.68	104.4	7.32	0.47	0.58	0.7	98	8.46	0.48	0.6	0.73
	3750	120.8	5.42	0.47	0.6	0.72	115.3	6.3	0.47	0.62	0.74	108.6	7.31	0.48	0.63	0.78	101.9	8.44	0.49	0.66	0.85
	4500	124.6	5.4	0.49	0.65	0.81	118.2	6.28	0.5	0.67	0.86	112	7.29	0.52	0.69	0.94	104.2	8.43	0.54	0.71	1

EL150KCSDT + EL180KASD - 2 COMPRESSORS - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	4000	139.2	8.01	0.67	0.85	1	132.7	9.13	0.69	0.89	1	126	10.4	0.7	0.94	1	118.5	11.87	0.73	1	1
	5000	145.2	8.05	0.73	1	1	138.5	9.17	0.76	1	1	131.2	10.45	0.8	1	1	124.1	11.91	0.86	1	1
	6000	149.9	8.09	0.83	1	1	143.3	9.21	0.87	1	1	136.4	10.49	0.93	1	1	129.1	11.94	0.99	1	1
67°F	4000	146.7	8.07	0.55	0.66	0.8	140.1	9.18	0.56	0.67	0.84	133.1	10.46	0.58	0.69	0.9	125.6	11.92	0.59	0.71	0.96
	5000	153	8.12	0.59	0.71	0.95	145.7	9.24	0.61	0.73	1	137.6	10.5	0.62	0.78	1	130	11.95	0.64	0.83	1
	6000	157.7	8.16	0.63	0.8	1	149.4	9.27	0.64	0.85	1	141.5	10.54	0.66	0.91	1	133.1	11.98	0.68	0.98	1
71°F	4000	153.4	8.12	0.43	0.54	0.65	147	9.25	0.45	0.55	0.66	139.2	10.52	0.44	0.57	0.68	131.5	11.96	0.45	0.59	0.7
	5000	159.9	8.18	0.45	0.59	0.7	152.1	9.3	0.46	0.6	0.72	144.3	10.56	0.48	0.61	0.75	135.7	12	0.51	0.63	0.81
	6000	164.6	8.22	0.5	0.63	0.78	156.4	9.34	0.5	0.64	0.83	147.8	10.6	0.52	0.66	0.89	138.3	12.02	0.51	0.69	0.96

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

EL180KCSDT + EL180KASD - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	3200	64.4	2.62	0.69	0.81	0.96	61.3	3.09	0.7	0.83	1	58.1	3.61	0.72	0.87	1	54.5	4.2	0.74	0.91	1
	4000	68.4	2.59	0.73	0.89	1	65.1	3.06	0.75	0.93	1	61.4	3.59	0.77	0.97	1	57.5	4.18	0.81	1	1
	4800	71.4	2.56	0.78	0.98	1	67.8	3.04	0.81	1	1	63.7	3.57	0.85	1	1	60.3	4.16	0.9	1	1
67°F	3200	68.9	2.59	0.57	0.67	0.77	65.7	3.06	0.58	0.68	0.79	62.4	3.58	0.59	0.7	0.82	58.6	4.17	0.6	0.72	0.9
	4000	73.1	2.55	0.6	0.71	0.85	69.3	3.03	0.61	0.73	0.88	65.9	3.56	0.63	0.75	0.93	61.9	4.15	0.64	0.78	0.99
	4800	75.7	2.52	0.63	0.76	0.94	72.2	3	0.64	0.78	0.98	68.3	3.54	0.66	0.82	1	63.8	4.14	0.68	0.87	1
71°F	3200	73.1	2.55	0.46	0.55	0.65	69.7	3.03	0.46	0.56	0.66	66.3	3.56	0.47	0.57	0.68	62.3	4.15	0.48	0.59	0.75
	4000	77.1	2.51	0.48	0.59	0.69	73.6	2.99	0.49	0.6	0.71	69.9	3.53	0.49	0.61	0.73	65.8	4.12	0.5	0.63	0.82
	4800	80.3	2.48	0.49	0.62	0.74	76.5	2.96	0.51	0.64	0.76	72.6	3.51	0.51	0.65	0.79	68.5	4.1	0.53	0.67	0.88

EL180KCSDT + EL180KASD - 2 COMPRESSORS - PART LOAD / PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	3600	128.8	7.11	0.74	0.91	1	120.9	8.29	0.76	0.97	1	112.7	9.56	0.79	1	1	103.4	11.02	0.85	1	1
	4500	135.6	7.04	0.8	1	1	127.2	8.21	0.84	1	1	119.2	9.55	0.91	1	1	111.6	10.99	0.99	1	1
	5400	142.1	7	0.9	1	1	134.1	8.15	0.97	1	1	126.5	9.45	1	1	1	118	10.94	1	1	1
67°F	3600	138.4	7.03	0.6	0.72	0.86	130.1	8.18	0.62	0.74	0.91	120.7	9.53	0.64	0.77	0.98	111.8	10.98	0.66	0.81	1
	4500	145	6.98	0.64	0.78	1	135.9	8.14	0.66	0.81	1	126.5	9.45	0.69	0.87	1	116.4	10.96	0.72	0.95	1
	5400	150.2	6.95	0.69	0.87	1	140.3	8.12	0.71	0.93	1	130	9.43	0.74	1	1	119.2	10.93	0.78	1	1
71°F	3600	147	6.97	0.48	0.59	0.7	138.1	8.13	0.49	0.61	0.72	129.1	9.44	0.5	0.63	0.75	119.8	10.92	0.52	0.65	0.86
	4500	154.4	6.92	0.51	0.64	0.76	144.8	8.08	0.52	0.66	0.79	135.1	9.41	0.53	0.68	0.84	124.6	10.87	0.55	0.71	0.95
	5400	160.2	6.87	0.54	0.68	0.84	150.1	8.05	0.55	0.71	0.9	139.9	9.38	0.57	0.74	0.98	129	10.84	0.59	0.77	1

EL180KCSDT + EL180KASD - 2 COMPRESSORS - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	4800	182.7	11.05	0.71	0.86	1	173.3	12.43	0.73	0.89	1	163.6	13.98	0.75	0.93	1	152.9	15.75	0.78	0.99	1
	6000	192.3	11.14	0.77	0.96	1	181.9	12.51	0.8	1	1	170.5	14.07	0.83	1	1	159.1	15.81	0.88	1	1
	7200	198.8	11.21	0.84	1	1	187.6	12.57	0.88	1	1	178.3	14.14	0.93	1	1	167.8	15.9	0.99	1	1
67°F	4800	195.3	11.18	0.59	0.69	0.81	185	12.54	0.6	0.71	0.85	173.8	14.11	0.61	0.74	0.89	163.2	15.86	0.63	0.76	0.96
	6000	205	11.27	0.62	0.75	0.92	193.9	12.64	0.64	0.77	0.96	182.6	14.19	0.66	0.81	1	169.7	15.92	0.68	0.86	1
	7200	212.2	11.35	0.66	0.82	1	200.5	12.7	0.68	0.86	1	187.4	14.25	0.7	0.91	1	174.6	15.97	0.73	0.97	1
71°F	4800	206.4	11.3	0.47	0.58	0.68	195.4	12.65	0.48	0.59	0.69	184.2	14.21	0.49	0.6	0.72	172.5	15.95	0.5	0.62	0.8
	6000	216.5	11.4	0.5	0.62	0.73	205.5	12.76	0.51	0.63	0.75	193.7	14.32	0.52	0.65	0.79	180.5	16.04	0.53	0.68	0.88
	7200	224.4	11.48	0.52	0.66	0.79	212.6	12.83	0.54	0.68	0.83	200.3	14.39	0.55	0.7	0.88	185.7	16.11	0.57	0.73	0.96

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

EL180KCSDT + EL240KASD - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	3200	65.7	2.62	0.6	0.69	0.98	62.4	3.1	0.61	0.75	1	59.1	3.63	0.63	0.81	1	55.4	4.22	0.65	0.9	1
	4000	69.6	2.59	0.64	0.88	1	65.9	3.07	0.66	0.96	1	62.2	3.61	0.68	1	1	58.3	4.2	0.74	1	1
	4800	72.1	2.56	0.69	1	1	68.5	3.05	0.74	1	1	65.1	3.59	0.83	1	1	61.7	4.18	0.92	1	1
67°F	3200	70.5	2.58	0.5	0.58	0.66	67.2	3.06	0.51	0.59	0.68	63.7	3.6	0.52	0.61	0.73	59.9	4.19	0.53	0.63	0.93
	4000	74.5	2.54	0.53	0.63	0.8	70.8	3.03	0.54	0.64	0.87	67.1	3.57	0.55	0.66	0.96	63	4.17	0.57	0.69	1
	4800	77.2	2.51	0.56	0.67	0.99	73.5	3	0.58	0.7	1	69.7	3.55	0.59	0.78	1	65.2	4.16	0.62	0.87	1
71°F	3200	75.1	2.54	0.41	0.49	0.57	71.8	3.02	0.41	0.5	0.58	68.2	3.56	0.42	0.51	0.59	64.3	4.16	0.43	0.52	0.78
	4000	79.2	2.5	0.43	0.52	0.61	75.7	2.99	0.44	0.53	0.63	71.9	3.54	0.44	0.55	0.65	67.6	4.14	0.46	0.57	0.86
	4800	82.1	2.46	0.44	0.56	0.66	78.5	2.96	0.47	0.57	0.68	74.6	3.51	0.47	0.59	0.74	69.9	4.12	0.49	0.61	0.94

EL180KCSDT + EL240KASD - 2 COMPRESSORS - PART LOAD / PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	3600	129.6	7.19	0.65	0.9	1	121.5	8.38	0.68	1	1	112.6	9.75	0.7	1	1	104	11.21	0.79	1	1
	4500	136.1	7.14	0.71	1	1	128.6	8.32	0.79	1	1	120.5	9.65	0.96	1	1	112.7	11.16	1	1	1
	5400	144	7.09	0.95	1	1	136.3	8.26	1	1	1	127.4	9.6	1	1	1	119.3	11.08	1	1	1
67°F	3600	139.6	7.12	0.54	0.64	0.78	131.1	8.3	0.55	0.66	0.91	121.3	9.64	0.57	0.69	1	112.1	11.17	0.59	0.72	1
	4500	146.3	7.07	0.58	0.7	1	137.2	8.26	0.6	0.73	1	126.5	9.61	0.62	0.89	1	116.9	11.11	0.65	1	1
	5400	151.1	7.03	0.62	0.88	1	141.2	8.23	0.65	1	1	130.2	9.58	0.68	1	1	120.1	11.08	0.71	1	1
71°F	3600	149.7	7.04	0.43	0.53	0.62	140.6	8.23	0.44	0.54	0.64	130.8	9.58	0.46	0.56	0.67	120.9	11.07	0.47	0.59	0.9
	4500	157	6.99	0.46	0.57	0.68	147.3	8.18	0.48	0.59	0.71	136.4	9.54	0.49	0.62	0.8	126.5	11.03	0.51	0.65	1
	5400	162.1	6.95	0.49	0.62	0.82	152.2	8.15	0.51	0.65	0.98	140.7	9.51	0.53	0.68	1	129.2	11.02	0.56	0.72	1

EL180KCSDT + EL240KASD - 2 COMPRESSORS - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	4800	189.1	11.37	0.63	0.8	1	179.4	12.76	0.65	0.86	1	167.7	14.34	0.67	0.95	1	156.6	16.11	0.7	1	1
	6000	198.8	11.47	0.68	1	1	187.8	12.85	0.73	1	1	175.3	14.41	0.8	1	1	164.7	16.2	0.89	1	1
	7200	205.6	11.55	0.81	1	1	194.7	12.93	0.89	1	1	185	14.52	0.99	1	1	173.3	16.29	1	1	1
67°F	4800	202.5	11.52	0.52	0.61	0.73	191.9	12.9	0.53	0.63	0.79	180.6	14.47	0.55	0.65	0.88	167.4	16.22	0.57	0.68	0.99
	6000	212.6	11.63	0.56	0.67	0.92	199.8	12.99	0.58	0.69	1	187.6	14.56	0.6	0.76	1	174.4	16.3	0.62	0.86	1
	7200	219.7	11.7	0.6	0.77	1	206.1	13.06	0.62	0.86	1	193.3	14.62	0.64	0.95	1	179.1	16.38	0.67	1	1
71°F	4800	215.6	11.66	0.43	0.51	0.6	203.3	13.02	0.44	0.53	0.62	191.5	14.6	0.44	0.54	0.64	178.9	16.37	0.46	0.56	0.83
	6000	226.4	11.79	0.45	0.56	0.65	212.6	13.14	0.46	0.57	0.68	200.1	14.7	0.48	0.59	0.72	186.5	16.46	0.49	0.62	0.92
	7200	232.7	11.87	0.48	0.6	0.74	220.2	13.24	0.49	0.61	0.82	206.4	14.79	0.51	0.64	0.92	192.3	16.53	0.53	0.67	1

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

EL240KCSDT + EL240KASD - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	4240	82.1	3.31	0.68	0.78	1	78.8	3.86	0.69	0.82	1	75	4.48	0.71	0.88	1	70.7	5.18	0.73	0.95	1
	5300	86.3	3.3	0.73	0.95	1	82.8	3.85	0.74	1	1	78.6	4.47	0.77	1	1	73.6	5.17	0.81	1	1
	6360	89.3	3.29	0.79	1	1	85.7	3.84	0.84	1	1	82.1	4.46	0.91	1	1	77.7	5.15	0.98	1	1
67°F	4240	87.7	3.29	0.56	0.66	0.76	84.2	3.84	0.57	0.67	0.77	80.4	4.46	0.58	0.69	0.81	75.9	5.16	0.6	0.71	0.95
	5300	91.9	3.29	0.6	0.71	0.9	88.4	3.83	0.61	0.73	0.95	84.3	4.45	0.63	0.75	1	79	5.15	0.65	0.78	1
	6360	94.9	3.29	0.64	0.77	1	91.3	3.83	0.66	0.8	1	87	4.44	0.67	0.86	1	81.5	5.14	0.7	0.96	1
71°F	4240	92.9	3.29	0.46	0.55	0.65	89.6	3.83	0.47	0.56	0.66	85.7	4.45	0.47	0.57	0.67	80.8	5.15	0.48	0.59	0.79
	5300	97.4	3.28	0.47	0.6	0.7	93.9	3.82	0.5	0.61	0.72	89.2	4.44	0.52	0.62	0.73	84.4	5.14	0.52	0.64	0.88
	6360	100.5	3.28	0.52	0.64	0.76	96.9	3.82	0.53	0.65	0.78	92.1	4.43	0.54	0.67	0.83	86.9	5.13	0.55	0.7	0.96

EL240KCSDT + EL240KASD - 2 COMPRESSORS - PART LOAD / PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	4800	162.6	8.79	0.73	0.97	1	152.1	10.17	0.76	1	1	142.7	11.7	0.79	1	1	132.2	13.42	0.86	1	1
	6000	170.3	8.77	0.8	1	1	160.9	10.14	0.87	1	1	151.8	11.67	1	1	1	141.9	13.39	1	1	1
	7200	179.4	8.75	1	1	1	170.5	10.11	1	1	1	159.7	11.65	1	1	1	149.4	13.37	1	1	1
67°F	4800	174.1	8.76	0.61	0.72	0.87	163.5	10.13	0.62	0.74	0.98	152.5	11.67	0.65	0.78	1	140.8	13.39	0.67	0.81	1
	6000	181.7	8.74	0.66	0.79	1	170.7	10.11	0.68	0.82	1	158.5	11.65	0.7	0.96	1	146.4	13.37	0.74	1	1
	7200	186.8	8.73	0.72	0.97	1	175	10.1	0.73	1	1	162.8	11.64	0.76	1	1	150.1	13.36	0.8	1	1
71°F	4800	185.2	8.73	0.48	0.6	0.7	174.4	10.1	0.5	0.61	0.73	163.2	11.64	0.51	0.64	0.76	152.1	13.36	0.53	0.67	0.92
	6000	192	8.72	0.51	0.65	0.78	181.4	10.09	0.53	0.68	0.81	169.8	11.62	0.55	0.7	0.91	157.4	13.34	0.58	0.74	1
	7200	197.2	8.71	0.54	0.71	0.94	186.2	10.08	0.58	0.73	1	173.9	11.61	0.6	0.76	1	161.4	13.33	0.61	0.8	1

EL240KCSDT + EL240KASD - 2 COMPRESSORS - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	6400	241.8	14.33	0.7	0.87	1	230.2	15.89	0.72	0.9	1	217.3	17.68	0.74	0.97	1	206.4	19.74	0.76	1	1
	8000	251.2	14.48	0.76	1	1	240.1	16.06	0.8	1	1	227.7	17.85	0.84	1	1	215.4	19.9	0.9	1	1
	9600	258.8	14.61	0.87	1	1	247.2	16.17	0.93	1	1	236.1	17.99	0.99	1	1	224.5	20.05	1	1	1
67°F	6400	255.2	14.55	0.58	0.69	0.81	244.7	16.14	0.59	0.7	0.86	232.8	17.94	0.6	0.72	0.92	219.6	19.97	0.62	0.74	0.99
	8000	265.7	14.71	0.62	0.74	0.99	253	16.26	0.63	0.77	1	240.3	18.06	0.65	0.83	1	226.8	20.09	0.67	0.88	1
	9600	273.3	14.83	0.67	0.85	1	260.5	16.38	0.68	0.9	1	247.5	18.17	0.7	0.97	1	233.1	20.19	0.73	1	1
71°F	6400	270.5	14.78	0.46	0.58	0.67	258	16.35	0.47	0.58	0.69	245.3	18.14	0.49	0.6	0.71	232.2	20.18	0.49	0.61	0.84
	8000	281.1	14.95	0.5	0.61	0.73	268.2	16.5	0.51	0.64	0.75	255.2	18.31	0.52	0.65	0.78	240.8	20.32	0.54	0.67	0.93
	9600	288.3	15.06	0.54	0.67	0.83	275.4	16.62	0.56	0.69	0.89	261.4	18.4	0.57	0.71	0.96	245.2	20.4	0.59	0.73	1

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

EL180KCSDT - (2) EL090KASD - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	3200	64.7	2.63	0.68	0.8	0.96	61.6	3.1	0.7	0.83	0.99	58.5	3.63	0.72	0.86	1	54.5	4.23	0.74	0.91	1
	4000	68.6	2.6	0.73	0.89	1	64.9	3.08	0.75	0.93	1	61.4	3.61	0.77	0.97	1	57.6	4.21	0.81	1	1
	4800	71.5	2.57	0.78	0.98	1	67.6	3.06	0.81	1	1	64.2	3.6	0.85	1	1	60.7	4.19	0.89	1	1
67°F	3200	69.5	2.59	0.56	0.66	0.76	66.3	3.07	0.57	0.67	0.79	62.6	3.6	0.58	0.69	0.82	59	4.2	0.59	0.71	0.89
	4000	73.5	2.55	0.59	0.71	0.85	69.8	3.04	0.6	0.73	0.88	66	3.58	0.61	0.75	0.93	62.1	4.18	0.63	0.77	0.98
	4800	76	2.53	0.62	0.76	0.94	72.3	3.02	0.63	0.78	0.98	68.7	3.56	0.65	0.81	1	63.9	4.17	0.67	0.86	1
71°F	3200	74.1	2.54	0.44	0.54	0.64	70.5	3.03	0.45	0.55	0.65	67	3.57	0.46	0.56	0.67	63	4.17	0.46	0.58	0.74
	4000	78	2.51	0.46	0.58	0.69	74.3	3	0.47	0.59	0.7	70.4	3.55	0.47	0.6	0.73	66.3	4.15	0.49	0.62	0.8
	4800	80.8	2.48	0.48	0.61	0.74	77.4	2.97	0.49	0.62	0.76	73.2	3.53	0.49	0.64	0.79	68.6	4.13	0.51	0.66	0.87

EL180KCSDT - (2) EL090KASD - 2 COMPRESSORS - PART LOAD / PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	3600	127.5	7.2	0.75	0.92	1	119.7	8.41	0.78	0.96	1	110.8	9.77	0.81	1	1	102.3	11.22	0.85	1	1
	4500	134.4	7.15	0.82	1	1	126.6	8.33	0.85	1	1	118.7	9.67	0.91	1	1	110.5	11.19	0.97	1	1
	5400	141.8	7.1	0.9	1	1	134.1	8.28	0.96	1	1	125.4	9.61	1	1	1	117.1	11.11	1	1	1
67°F	3600	137.4	7.13	0.6	0.73	0.87	129.2	8.31	0.62	0.75	0.91	119.8	9.66	0.64	0.78	0.97	110	11.19	0.66	0.82	1
	4500	144.5	7.08	0.65	0.79	0.99	134.9	8.27	0.67	0.83	1	124.9	9.62	0.69	0.88	1	115.5	11.12	0.72	0.94	1
	5400	149.2	7.04	0.69	0.87	1	138.7	8.25	0.71	0.93	1	128.2	9.59	0.74	0.99	1	118	11.09	0.78	1	1
71°F	3600	147.1	7.06	0.47	0.59	0.71	137.8	8.25	0.48	0.61	0.73	128.7	9.59	0.49	0.63	0.76	118.6	11.09	0.5	0.65	0.84
	4500	154.1	7.01	0.49	0.64	0.77	144.4	8.2	0.51	0.66	0.8	134.6	9.56	0.52	0.68	0.84	124	11.05	0.54	0.71	0.93
	5400	159.1	6.97	0.52	0.68	0.85	149.1	8.17	0.54	0.71	0.89	138.9	9.53	0.55	0.74	0.96	127.7	11.03	0.57	0.77	1

EL180KCSDT - (2) EL090KASD - 2 COMPRESSORS - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	4800	185.4	11.32	0.73	0.87	1	174.4	12.71	0.75	0.9	1	164.8	14.29	0.77	0.93	1	153.2	16.07	0.8	0.98	1
	6000	194.5	11.42	0.78	0.96	1	183.6	12.81	0.81	1	1	172.8	14.38	0.84	1	1	161.4	16.16	0.89	1	1
	7200	202.2	11.51	0.85	1	1	190.9	12.89	0.88	1	1	180.7	14.47	0.93	1	1	170.9	16.26	0.97	1	1
67°F	4800	197.7	11.46	0.59	0.71	0.83	187.9	12.85	0.6	0.72	0.86	176	14.42	0.62	0.75	0.9	164.6	16.19	0.64	0.77	0.95
	6000	207.9	11.58	0.63	0.76	0.92	196	12.94	0.64	0.79	0.96	183.9	14.51	0.66	0.82	1	171.1	16.27	0.69	0.86	1
	7200	214.3	11.65	0.67	0.83	1	202.6	13.02	0.68	0.86	1	190.2	14.59	0.71	0.9	1	176	16.33	0.74	0.95	1
71°F	4800	210.6	11.6	0.47	0.58	0.68	199.3	12.98	0.48	0.59	0.7	187.8	14.56	0.48	0.61	0.73	175	16.31	0.49	0.62	0.78
	6000	220.7	11.71	0.49	0.62	0.74	209.4	13.09	0.5	0.63	0.77	196.3	14.66	0.51	0.65	0.8	182.7	16.41	0.52	0.68	0.87
	7200	228.4	11.81	0.51	0.66	0.8	215.7	13.18	0.52	0.68	0.84	202.1	14.72	0.54	0.7	0.88	188.3	16.48	0.55	0.73	0.94

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

EL240KCSDT - (2) EL120KASD - 1 COMPRESSOR - PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	4240	81.6	3.38	0.68	0.81	0.99	78.5	3.94	0.7	0.84	1	74.2	4.58	0.71	0.87	1	69.6	5.3	0.73	0.92	1
	5300	86.1	3.37	0.73	0.92	1	82.2	3.93	0.74	0.95	1	78	4.57	0.77	1	1	73.2	5.29	0.8	1	1
	6360	89.5	3.37	0.79	1	1	85.5	3.93	0.83	1	1	82.1	4.56	0.85	1	1	77.6	5.27	0.9	1	1
67°F	4240	87.4	3.37	0.55	0.66	0.77	83.6	3.93	0.56	0.67	0.79	79.6	4.57	0.57	0.69	0.82	75	5.28	0.58	0.71	0.91
	5300	91.2	3.36	0.59	0.71	0.87	87.7	3.92	0.6	0.72	0.9	83.3	4.55	0.62	0.74	0.95	78.4	5.27	0.63	0.77	1
	6360	94.4	3.36	0.62	0.77	0.98	90.5	3.91	0.63	0.79	1	86	4.55	0.65	0.82	1	80.8	5.26	0.67	0.87	1
71°F	4240	92.3	3.36	0.44	0.54	0.64	88.9	3.92	0.44	0.55	0.65	84.8	4.55	0.44	0.56	0.67	80.1	5.26	0.45	0.57	0.75
	5300	96.8	3.36	0.46	0.58	0.69	93.1	3.91	0.46	0.59	0.71	88.8	4.54	0.47	0.6	0.73	84	5.25	0.48	0.62	0.82
	6360	100.1	3.36	0.47	0.62	0.75	96.4	3.91	0.49	0.63	0.76	92	4.54	0.49	0.64	0.8	86.3	5.25	0.5	0.66	0.89

EL240KCSDT - (2) EL120KASD - 2 COMPRESSORS - PART LOAD / PART LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	4800	163.2	8.97	0.74	0.93	1	154	10.37	0.77	0.98	1	143	11.95	0.8	1	1	133.7	13.7	0.84	1	1
	6000	171	8.94	0.81	1	1	162.9	10.34	0.85	1	1	153.2	11.92	0.92	1	1	143.5	13.67	1	1	1
	7200	180.6	8.92	0.91	1	1	171.6	10.32	0.97	1	1	162.1	11.89	1	1	1	150.6	13.64	1	1	1
67°F	4800	175.3	8.93	0.59	0.72	0.87	164.5	10.33	0.61	0.75	0.92	153.5	11.91	0.63	0.77	0.99	142.2	13.67	0.65	0.81	1
	6000	182.2	8.92	0.64	0.79	1	172	10.31	0.66	0.82	1	160.7	11.89	0.68	0.88	1	147.2	13.66	0.71	0.96	1
	7200	188.4	8.9	0.69	0.88	1	176.9	10.3	0.71	0.94	1	164.3	11.88	0.74	1	1	151.5	13.64	0.77	1	1
71°F	4800	185.8	8.91	0.46	0.58	0.71	176.2	10.3	0.47	0.6	0.73	164.2	11.88	0.48	0.62	0.75	152.1	13.64	0.5	0.64	0.85
	6000	193.4	8.9	0.49	0.64	0.78	182.3	10.29	0.5	0.65	0.8	171.1	11.87	0.51	0.68	0.84	158.6	13.62	0.53	0.71	0.95
	7200	198.5	8.89	0.52	0.68	0.86	187.4	10.28	0.52	0.71	0.91	176	11.86	0.55	0.74	0.98	162.5	13.62	0.57	0.77	1

EL240KCSDT - (2) EL120KASD - 2 COMPRESSORS - FULL LOAD

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	6400	239	14.46	0.73	0.87	1	226.6	16.04	0.74	0.9	1	216.7	17.89	0.76	0.93	1	203.1	19.94	0.78	0.97	1
	8000	248.8	14.62	0.78	0.97	1	237.3	16.21	0.81	1	1	225.4	18.03	0.84	1	1	212.6	20.1	0.87	1	1
	9600	258.1	14.76	0.85	1	1	245.9	16.36	0.88	1	1	235.7	18.2	0.92	1	1	223.1	20.27	0.96	1	1
67°F	6400	252.1	14.68	0.58	0.71	0.83	241.2	16.27	0.6	0.72	0.86	228.3	18.08	0.62	0.74	0.89	216.4	20.16	0.63	0.76	0.95
	8000	263	14.85	0.63	0.76	0.93	251.8	16.44	0.64	0.78	0.97	238.2	18.24	0.66	0.81	1	225.8	20.31	0.68	0.85	1
	9600	271.3	14.98	0.67	0.83	1	259.4	16.57	0.68	0.86	1	244.8	18.34	0.7	0.9	1	230.6	20.39	0.72	0.94	1
71°F	6400	265.2	14.88	0.47	0.58	0.69	253.5	16.47	0.47	0.59	0.7	241.5	18.29	0.48	0.6	0.72	228.4	20.36	0.49	0.61	0.79
	8000	277.5	15.08	0.49	0.62	0.74	265	16.66	0.5	0.63	0.77	251	18.45	0.51	0.64	0.79	237.2	20.5	0.52	0.67	0.86
	9600	284.2	15.19	0.52	0.66	0.81	272	16.77	0.53	0.68	0.84	258.3	18.57	0.54	0.69	0.87	243.4	20.6	0.55	0.72	0.94

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

(2) EL090KCSST + EL180KASD - 2 COMPRESSORS - PART LOAD (1 Per Unit at Low Stage)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	3200	128.9	5.63	0.73	0.85	0.96	123.8	6.59	0.74	0.86	0.99	118.9	7.68	0.76	0.88	1	112.1	8.92	0.78	0.91	1
	4000	136.5	5.58	0.78	0.92	1	130.8	6.56	0.79	0.94	1	124.2	7.66	0.81	0.97	1	117.5	8.9	0.84	1	1
	4800	141.8	5.53	0.83	0.99	1	135.1	6.53	0.85	1	1	128.6	7.64	0.87	1	1	122.1	8.88	0.9	1	1
67°F	3200	137.3	5.58	0.6	0.71	0.81	132	6.55	0.61	0.72	0.83	125.6	7.66	0.62	0.74	0.85	119.7	8.89	0.63	0.75	0.88
	4000	144.6	5.51	0.64	0.76	0.89	138.5	6.51	0.65	0.78	0.91	132.1	7.63	0.66	0.8	0.93	125.5	8.87	0.68	0.82	0.97
	4800	150	5.49	0.67	0.81	0.96	143.8	6.48	0.69	0.83	0.98	137.1	7.6	0.7	0.86	1	130.3	8.85	0.72	0.88	1
71°F	3200	145.3	5.51	0.49	0.59	0.69	138.8	6.51	0.5	0.6	0.7	133.2	7.62	0.5	0.61	0.72	126.6	8.86	0.51	0.62	0.73
	4000	152.6	5.46	0.51	0.63	0.74	146.2	6.47	0.51	0.64	0.76	140.2	7.6	0.51	0.65	0.78	133.1	8.84	0.52	0.67	0.8
	4800	158.5	5.42	0.52	0.67	0.8	151.9	6.45	0.53	0.68	0.81	144.8	7.57	0.55	0.7	0.84	137.4	8.83	0.55	0.71	0.87

(2) EL090KCSST + EL180KASD - 2 COMPRESSORS - FULL LOAD (1 Per Unit at High Stage)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	4800	175.4	11.84	0.76	0.88	1	167.5	13.29	0.77	0.91	1	158.8	14.92	0.79	0.93	1	150	16.76	0.81	0.96	1
	6000	183.7	11.96	0.81	0.96	1	175.2	13.41	0.83	0.99	1	165.4	15.03	0.86	1	1	156.3	16.86	0.89	1	1
	7200	188.7	12.03	0.87	1	1	180.7	13.5	0.9	1	1	170.7	15.12	0.93	1	1	162.2	16.96	0.96	1	1
67°F	4800	185.1	11.98	0.63	0.74	0.85	177.1	13.44	0.63	0.75	0.88	168.1	15.07	0.65	0.77	0.9	159.1	16.91	0.66	0.8	0.94
	6000	194	12.12	0.67	0.8	0.93	184.9	13.57	0.68	0.82	0.96	175.1	15.2	0.69	0.84	0.99	165.1	17.02	0.71	0.87	1
	7200	200.2	12.21	0.7	0.86	1	190.6	13.66	0.71	0.88	1	180.1	15.28	0.74	0.91	1	169	17.08	0.76	0.95	1
71°F	4800	195.2	12.14	0.5	0.61	0.72	185.2	13.6	0.5	0.63	0.74	177	15.23	0.52	0.64	0.76	166.5	17.04	0.52	0.66	0.78
	6000	203.7	12.28	0.52	0.66	0.78	194.4	13.72	0.52	0.67	0.8	184.3	15.36	0.53	0.69	0.83	173.5	17.17	0.55	0.71	0.86
	7200	210.5	12.38	0.54	0.7	0.84	200.5	13.82	0.55	0.71	0.87	189.5	15.45	0.56	0.74	0.9	177.9	17.25	0.58	0.76	0.94

(2) EL120KCSST + EL240KASD - 2 COMPRESSORS - PART LOAD (1 Per Unit at Low Stage)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	4160	167.2	6.73	0.7	0.82	1	161	7.87	0.72	0.84	1	153.6	9.15	0.73	0.88	1	145.2	10.59	0.75	0.93	1
	5200	176.3	6.72	0.75	0.95	1	168.9	7.84	0.77	0.98	1	161	9.12	0.79	1	1	151	10.56	0.83	1	1
	6240	181.9	6.71	0.82	1	1	174.8	7.83	0.86	1	1	167.6	9.1	0.89	1	1	159.4	10.53	0.94	1	1
67°F	4160	178.5	6.72	0.58	0.68	0.78	172	7.83	0.59	0.7	0.8	164.2	9.11	0.61	0.71	0.83	155.6	10.54	0.62	0.73	0.89
	5200	187.1	6.69	0.62	0.74	0.9	180.2	7.81	0.64	0.75	0.94	172.1	9.08	0.65	0.77	0.99	161.8	10.52	0.66	0.8	1
	6240	193.5	6.69	0.66	0.8	1	186.2	7.79	0.67	0.84	1	177.8	9.07	0.69	0.87	1	166.7	10.5	0.71	0.92	1
71°F	4160	188.9	6.69	0.48	0.57	0.67	182.2	7.8	0.49	0.58	0.68	174.6	9.08	0.49	0.59	0.69	164.7	10.51	0.5	0.61	0.71
	5200	198.2	6.69	0.51	0.62	0.73	191.1	7.79	0.52	0.63	0.74	181.9	9.06	0.52	0.64	0.76	172.4	10.49	0.52	0.66	0.78
	6240	204.8	6.68	0.53	0.66	0.79	198	7.78	0.52	0.68	0.81	187.8	9.04	0.55	0.69	0.84	177.8	10.48	0.54	0.71	0.92

(2) EL120KCSST + EL240KASD - 2 COMPRESSORS - FULL LOAD (1 Per Unit at High Stage)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	6400	230.8	14.47	0.73	0.89	1	221.2	16.12	0.75	0.92	1	208.8	17.9	0.77	0.98	1	198.3	19.98	0.79	1	1
	8000	241.6	14.66	0.79	1	1	229.1	16.25	0.82	1	1	217.3	18.05	0.87	1	1	206.8	20.14	0.93	1	1
	9600	247.7	14.77	0.9	1	1	238.5	16.4	0.95	1	1	227.8	18.24	1	1	1	215.5	20.3	1	1	1
67°F	6400	245.7	14.73	0.61	0.72	0.85	234.4	16.34	0.62	0.73	0.88	223.4	18.16	0.64	0.76	0.94	209.2	20.18	0.64	0.78	0.99
	8000	254.6	14.89	0.65	0.78	0.99	242.3	16.45	0.67	0.8	1	230.3	18.29	0.68	0.84	1	216.7	20.35	0.7	0.9	1
	9600	261.6	15.01	0.7	0.87	1	251.5	16.64	0.71	0.92	1	236.8	18.4	0.74	0.99	1	222.8	20.43	0.77	1	1
71°F	6400	258.1	14.95	0.48	0.6	0.7	248.8	16.57	0.49	0.62	0.72	235.4	18.37	0.5	0.63	0.75	222	20.42	0.52	0.64	0.76
	8000	269.7	15.14	0.52	0.65	0.77	257.1	16.71	0.53	0.67	0.79	243.9	18.51	0.55	0.68	0.81	228.8	20.53	0.57	0.72	0.87
	9600	277.1	15.25	0.58	0.69	0.86	264.3	16.84	0.59	0.71	0.89	250.3	18.63	0.6	0.73	0.97	234.8	20.65	0.62	0.78	1

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REVISIONS

Sections	Description of Change
Ratings	Updated.





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