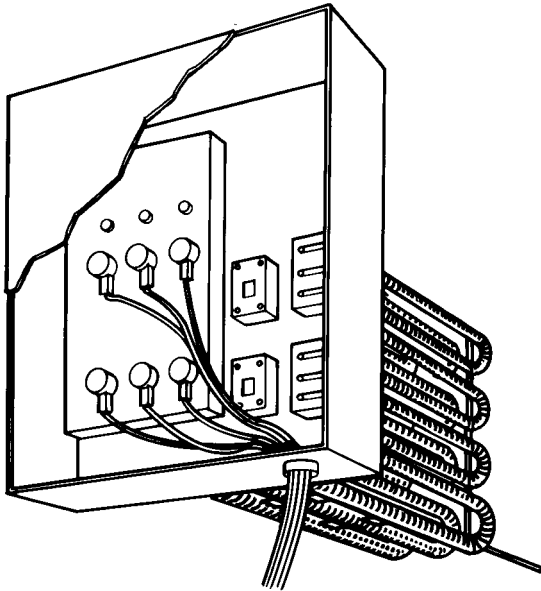


ACCESSORY KIT INSTALLATION INSTRUCTIONS

ELECTRIC HEAT ACCESSORY MODELS 2EH04510506 THRU 3058



**FOR SINGLE PACKAGE AIR CONDITIONERS
MODELS: ZE, ZD, J**ZE, ZF, ZS, J**ZF, ZR, ZK,
AND J**ZR 3 THRU 6 TON**

SINGLE PACKAGE HEAT PUMPS

MODELS: XN, XT, JXN, XP, XA AND J**XP
3 THRU 5 TON**

GENERAL

This instruction contains all the necessary information for field assembling these 2EHseries electric heaters in the single package units indicated above.

These accessories include all of the required hardware except some screws being re-used as indicated in the installation procedure.

Table 1 shows the minimum air flow limitations across these heaters.

The remaining tables contain important electrical data for the field-installed power supply. Refer to the respective direct-drive or belt-drive table.

Units and ductwork are approved for zero clearance to combustible materials equipped with these electric heaters.

Depending upon the voltage and the heater KW rating, some heater accessories require a fuse block and some do not. Refer to the appropriate electrical data table.

NOTE: These heater accessories may be installed before or after the unit has been set on a curb or slab.

INSTALLATION

⚠ WARNING

Improper installation, adjustment, service or maintenance can cause injury or property damage. Therefore, only a qualified installer or qualified service personnel should perform this conversion.

Table 1: Minimum CFM Limitations

HEATER ACCESSORY MODEL NO.	UNIT MODEL SIZE, NOMINAL TONS			
	3	4	5	6
MINIMUM SUPPLY AIR CFM				
2EH04510506	1,100	1,300	1,600	-
2EH04510706	1,100	1,300	1,600	-
2EH04511006	1,200	1,300	1,600	-
2EH04511506	1,200	1,300	1,600	-
2EH04512006	1,300 ¹	1,300	1,600	-
2EH04513006	-	-	1,600	-
2EH04510525	1,100	1,300	1,600	1,900
2EH04510725	1,100	1,300	1,600	1,900
2EH04511025	1,200	1,300	1,600	1,900
2EH04511525	1,200	1,300	1,600	1,900
2EH04512025	1,300	1,300	1,600	1,900
2EH04513025	-	-	1,600	1,900
2EH04510746	1,100	1,300	1,600	1,900
2EH04511046	1,200	1,300	1,600	1,900
2EH04511546	1,200	1,300	1,600	1,900
2EH04512046	1,300	1,300	1,600	1,900
2EH04513046	-	-	1,600	1,900
2EH04511058	1,200	1,300	1,600	1,900
2EH04511558	1,200	1,300	1,600	1,900
2EH04512058	1,300	1,400	1,600	1,900
2EH04513058	-	-	1,800	1,900

1 CGA minimum is 1,400 CFM.

FOR HEATERS WITHOUT A FUSE BOX (SEE FIGURE 3)

1. Disconnect all electrical power to the unit.
2. Remove the following panels from the basic unit.
 - Heating access panel
 - Blower access panel

- Main control box access panel

NOTE: Motor leads are held in place above the blower by plastic ties. Do not disturb these ties unless the leads interfere with panel fit-up.

3. Remove and discard the cover plate attached to the plenum within the unit heating section. Keep the mounting screws for later use.
4. Remove knockout from the blower compartment partition. (See Figure 1).

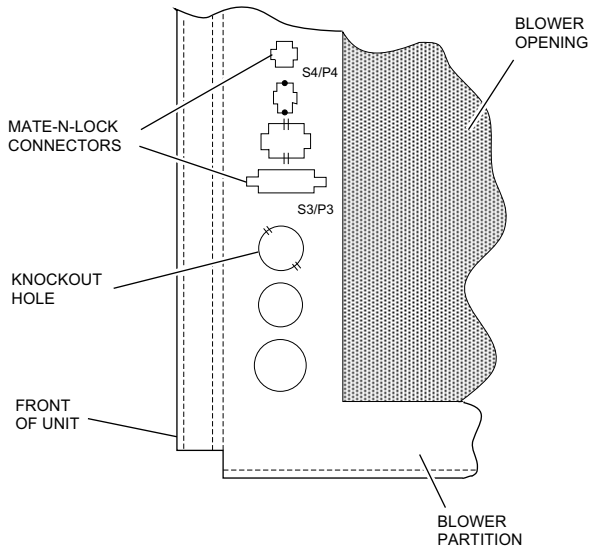


Figure 1: BLOWER PARTITION

5. Remove the cover from the heater accessory control box.
6. Insert the heater coils through the opening in the heating section plenum. At the same time, insert the heater support pin (on the coil end of heater) into the appropriate hole in the heater support located inside of the plenum. Secure the heater control box to the plenum with seven of the screws that were removed in Step 3 (3 screws each side and screw at the bottom). Discard extra screws.

CAUTION

Exercise care when inserting the heater into the plenum opening to avoid damage or misalignment of the heater coils. The heater control box must fit flush against the plenum without force and with the control box mounting holes properly aligned.

7. Insert the loose power leads from the heater harness through the knockout hole in the blower partition. An electrical connector is supplied to secure these wires to the panel. Position the connector so that the connector nut is located on the heating section side of the blower partition. Tighten the nut.

NOTE: Wrap the leads with a minimum of 3 layers of electrical tape where they come into contact with the connector. DO NOT tighten the connector clamp screws until the power leads are connected and in place.

8. Connect the two harnesses having MATE-N-LOCK plugs into their respective sockets located in the blower partition. Refer to Figure 1. Connector S4/P4 is a two-terminal MATE-N-LOCK (Not required on 208/230 Volt XP/XA/J**XP Heat Pump Models.). Connector S3/P3 is a four-terminal MATE-N-LOCK.

NOTE: The flat surfaces on the pins of the MATE-N-LOCK plugs must align with the flat surfaces on their respective sockets. To remove these plugs after the connections have been made, squeeze the sides together and pull out.

9. Remove the 1-3/4" black plastic cap plug from the right side of the unit's main control box. Slip a connector nut and a reducing washer over the power leads from the heater harness and insert the leads into the main control box through the 1-3/4" hole.
10. From inside the main control box, slip a reducing washer and an electrical connector over the power leads. Tighten the connector nut, but do not tighten the screws on the connector clamp until the leads have been connected. Refer to the wiring label inside the heater control box cover for the proper connection of the heater power leads.
11. Connect power leads to the bottom terminals of the unit disconnect or terminal block.

NOTE: Wrap the heater power leads with tape as instructed in "NOTE" under Step 7.

12. Adjust the heater power leads for the proper slack, and tighten the screws on both connector clamps to secure them in position. Use one of the wire ties provided to cable the heater leads in the heater compartment and two of the wire ties to cable the power leads in the blower compartment.
13. Connect field power supply wiring to the top terminals of the unit disconnect or terminal block.
14. Replace the cover on the heater control box, and reinstall the unit panels that were removed in Step 2.
15. Reconnect power to the unit.

FOR HEATERS WITH A FUSE BOX (See Figure 3)

Refer to the Table 2 for heaters shipped without a fuse box.

Install the electric heater accessories as follows:

1. Disconnect all electrical power to the unit.
2. Remove the following panels from the basic unit.
 - Heating access panel
 - Blower access panel

- Main control box access panel

NOTE: Motor leads are held in place above the blower by plastic ties. Do not disturb these ties unless the leads interfere with panel fit-up.

- Remove and discard the cover plate attached to the plenum within the unit heating section. Keep the mounting screws for later use.
- Remove knockout from the blower compartment partition. (See Figure 1).
- Remove the cover from the heater accessory control box.
- Insert the heater coils through the opening in the heating section plenum. At the same time, insert the heater support pin (on the coil end of heater) into the appropriate hole in the heater support located inside of the plenum.
- Secure the heater control box to the plenum with seven of the screws that were removed in Step 3 (3 screws each side and screw at the bottom). Discard extra screws.

CAUTION

Exercise care when inserting the heater into the plenum opening to avoid damage or misalignment of the heater coils. The heater control box must fit flush against the plenum without force and with the control box mounting holes properly aligned.

- Insert the loose power leads from the heater harness through the knockout hole in the blower partition. An electrical connector is supplied to secure these wires to the panel. Position the connector so that the connector nut is located on the heating section side of the blower partition. Tighten the nut.

NOTE: Wrap the leads with a minimum of 3 layers of electrical tape where they come into contact with the connector. DO NOT tighten the connector clamp screws until the power leads are connected and in place.

- Connect the two harnesses having MATE-N-LOCK plugs into their respective sockets located in the blower partition. Refer to Figure 1. Connector S4/P4 is a two-terminal MATE-N-LOCK. (Not required on 208/230 Volt XP/XA/J**XP Heat Pump Models.) Connector S3/P3 is a four-terminal MATE-N-LOCK.

NOTE: The flat surfaces on the pins of the MATE-N-LOCK plugs must align with the flat surfaces on their respective sockets. To remove these plugs after the connections have been made, squeeze the sides together and pull out.

- Remove the 1-3/4" black plastic cap plug from the right-hand side of the unit's main control box. From inside the main control box, slip an electrical connector (provided)

into the 1-3/4" hole and place the connector nut on the other side. Tighten the nuts.

- Mount the fuse box (containing the fuse block and fuses) inside the blower section. Attach the upper left hand flange on the fuse box to the back of the main control box with one screw provided. The mounting hole is located about 6" up from the bottom of the control box in the rounded corner of the box. Attach the bottom right hand flange on the fuse box to the unit base, at the holes provided, with screws provided. See Figure 5.

NOTE: If the insulation grip nail fasteners on the base of the blower section interfere with the proper mounting of the fuse box, they should be broken off.

CAUTION

Exercise care when securing the fuse box in position to make sure that the evaporator low temperature sensor control leads are not pinched or cut. If leads must be routed away from sheet metal edges, visually check the control to ensure its location has not been disturbed.

- Open the hinged fuse box cover to gain access to the inside. Install the electrical connectors provided into the holes in the right-hand side of the fuse box. Position the connectors so that the connector nuts are located on the outside of the fuse box. Tighten the nuts.
- Insert the three (3) power leads from the heater harness through the bottom electrical connector in the right-hand side of the fuse box.

NOTE: Wrap leads with a minimum of 3 layers of tape where they come in contact with the connector.

NOTE: DO NOT tighten the connector clamp screws until the leads are connected and in place.

- Insert the other end of the three (3) power leads from the kit into the electrical connector installed in the unit control box.
- Connect the three (3) power leads that were inserted in the fuse box, to the top terminals of the fuse block.

19. Connect the three (3) power leads that were inserted in the unit control box, to the bottom terminals of the unit disconnect or terminal block. Refer to the wiring labels inside of the fuse box cover for proper wiring connections.
20. Adjust all wires for the proper slack, now tighten the screws on the connector clamp to secure in position.

⚠ CAUTION

Exercise care when securing the fuse box in position to make sure that the evaporator low temperature sensor control leads are not pinched or cut. If leads must be routed away from sheet metal edges, visually check the control to ensure its location has not been disturbed.

21. Close fuse box cover, replace cover on the heater control box and re-install the unit panels that were removed in Step 2.
22. Reconnect power to the unit.

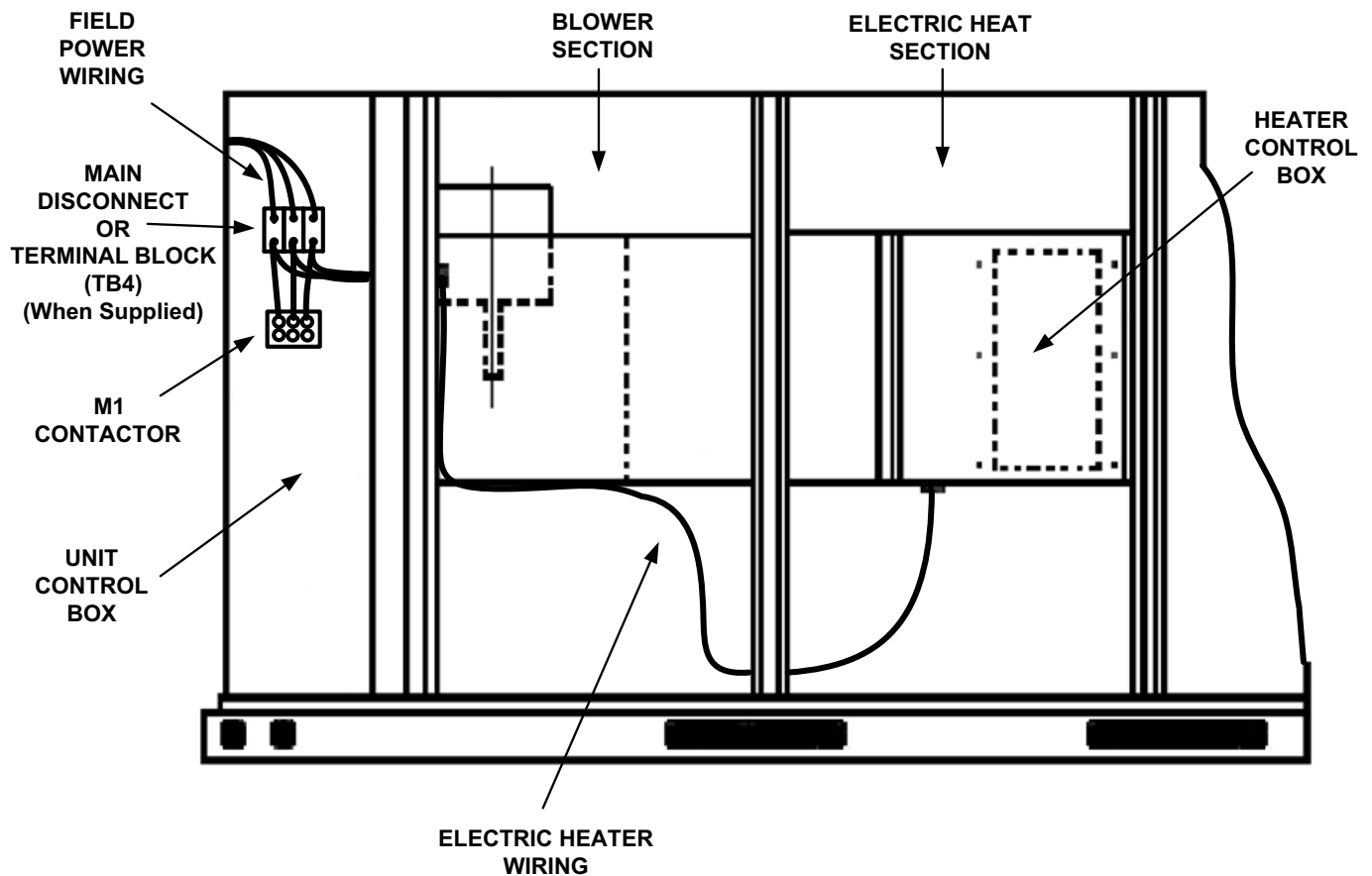


Figure 2: TYPICAL HEATER INSTALLATION FOR SINGLE PACKAGE AIR CONDITIONERS MODELS: ZE, ZD, JZE, ZF, ZS, J**ZF, ZR, ZK, AND J**ZR 3 THRU 6 TON AND SINGLE PACKAGE HEAT PUMPS MODELS: XN, XT, J**XN, XP, XA AND J**XP 3 THRU 5 TON**

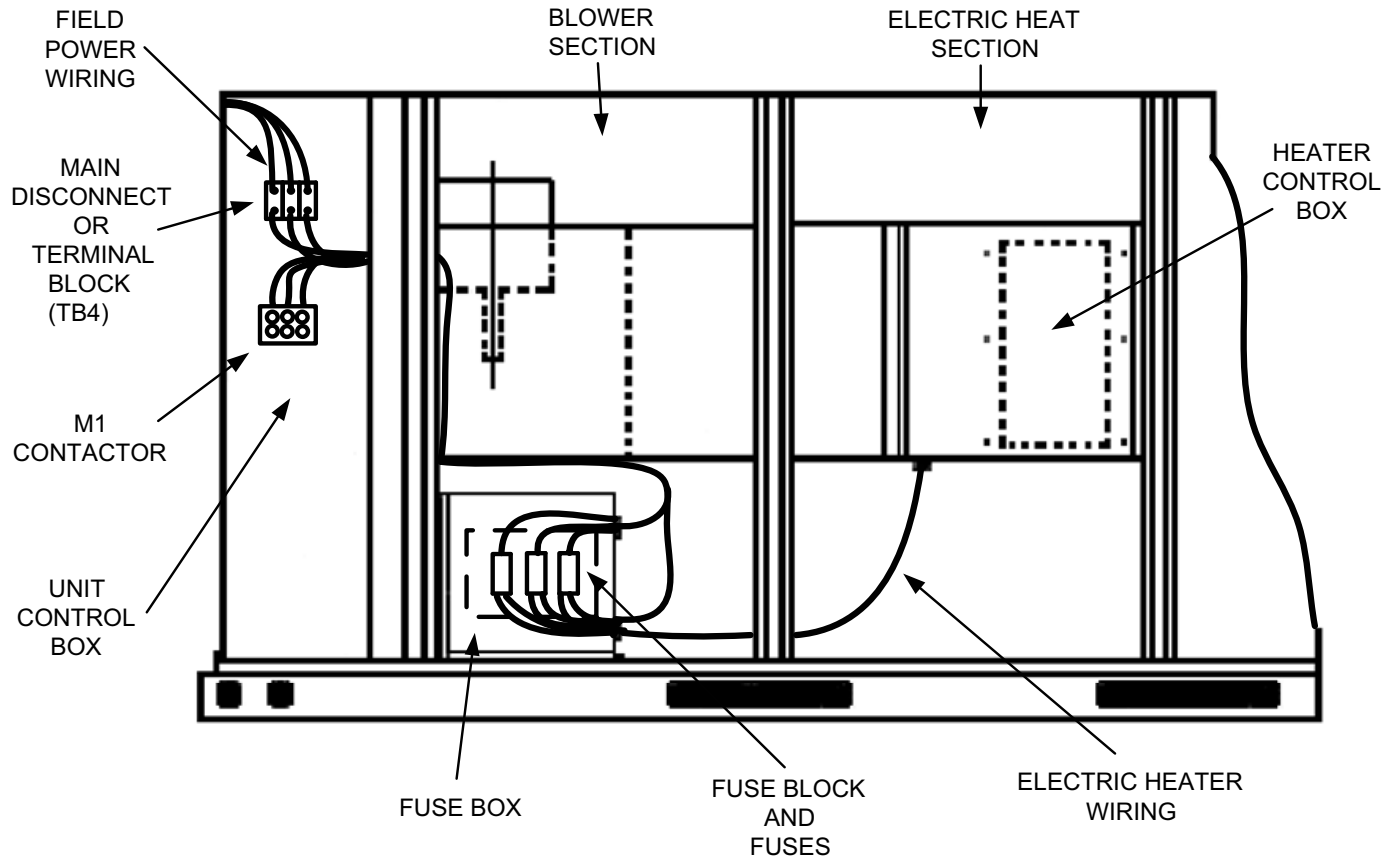


Figure 3: TYPICAL FUSE BOX INSTALLATION FOR SINGLE PACKAGE AIR CONDITIONERS MODELS: ZE, ZD, JZE, ZF, ZS, J**ZF, ZR, ZK, AND J**ZR 3 THRU 6 TON AND SINGLE PACKAGE HEAT PUMPS MODELS: XN, XT, J**XN, XP, XA AND J**XP 3 THRU 5 TON**

Table 2: Electric Heat Options to Accessory Model Matrix

Unit Size (Tons)	Unit Voltage	Electric Heat option Model					
		E05	E07	E10	E15	E20	E30
3,4,5,6	208/230-1-60	2EH04510506	2EH04510706	2EH04511006	2EH04511506	2EH04512006	2EH04513006
	208/230-3-60	2EH04510525 ¹	2EH04510725 ¹	2EH04511025	2EH04511525	2EH04512025	2EH04513025
	460-3-60	-	2EH04510746 ¹	2EH04511046 ¹	2EH04511546 ¹	2EH04512046 ¹	2EH04513046 ¹
	575-3-60	-	-	2EH04511058	2EH04511558	2EH04512058	2EH04513058

1 These electric heaters DO NOT include a fuse box. If a fuse box is required to meet a local code (eg., Chicago), the following fuse block accessories are available for field installation.

Fuse Block	2FB04700425	208/240 Volts
	2FB04700546	460 Volts

Table 3: Electrical Data Without Powered Convenience Outlet**Without Powered Convenience Outlet****ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Belt Drive)**

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZE036 ZD-03 J03ZE (3.0)	208-1-60	15.4	83.9	24	2.3	6.7	0	NONE	-	-	-	28.3	35
								E05	4	1	19.2	32.4	40
								E07	5.6	1	26.9	42	45
								E10	8	1	38.5	56.5	60
								E15	11.9	2	57.2	79.9	80
								E20	15.9	2	76.4	103.9	110
	230-1-60	15.4	83.9	24	2.3	6.7	0	NONE	-	-	-	28.3	35
								E05	5.3	1	22.1	36	40
								E07	7.5	1	31.2	47.4	50
								E10	10.6	1	44.2	63.6	70
								E15	15.9	2	66.2	91.2	100
								E20	21.2	2	88.3	118.8	125
	208-3-60	10.4	73	16.3	2.3	4.3	0	NONE	-	-	-	19.6	25
								E05	4	1	11.1	19.6	25
								E07	5.6	1	15.5	24.8	30
								E10	8	1	22.2	33.1	35
								E15	11.9	2	33	46.7	50
								E20	15.9	2	44.1	60.5	70
	230-3-60	10.4	73	16.3	2.3	4.3	0	NONE	-	-	-	19.6	25
								E05	5.3	1	12.7	21.3	30
								E07	7.5	1	18	27.9	30
								E10	10.6	1	25.5	37.2	40
								E15	15.9	2	38.2	53.2	60
								E20	21.2	2	51	69.1	70
	460-3-60	5.8	38	9	1.3	2.1	0	NONE	-	-	-	10.6	15
								E07	6.8	1	8.2	12.8	15
								E10	10.1	1	12.1	17.8	20
								E15	13.6	2	16.4	23.1	25
								E20	19.5	2	23.5	31.9	35
	575-3-60	4.2	36.5	5.9	1.3	1.9	0	NONE	-	-	-	8.2	15
								E10	10.6	1	10.2	15.1	20
								E15	15.9	2	15.3	21.5	25
								E20	21.2	2	20.4	27.9	30

ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Belt Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
ZE048 ZD-04 J04ZE (4.0)	208-1-60	19.6	130	30.5	2.3	6.7	0	NONE	-	-	-	33.5	45
								E05	4	1	19.2	33.5	45
								E07	5.6	1	26.9	42	50
								E10	8	1	38.5	56.5	60
								E15	11.9	2	57.2	79.9	80
								E20	15.9	2	76.4	103.9	110
	230-1-60	19.6	130	30.5	2.3	6.7	0	NONE	-	-	-	33.5	45
								E05	5.3	1	22.1	36	45
								E07	7.5	1	31.2	47.4	50
								E10	10.6	1	44.2	63.6	70
								E15	15.9	2	66.2	91.2	100
								E20	21.2	2	88.3	118.8	125
	208-3-60	13.7	83.1	21.4	2.3	4.3	0	NONE	-	-	-	23.7	30
								E05	4	1	11.1	23.7	30
								E07	5.6	1	15.5	24.8	30
								E10	8	1	22.2	33.1	35
								E15	11.9	2	33	46.7	50
								E20	15.9	2	44.1	60.5	70
	230-3-60	13.7	83.1	21.4	2.3	4.3	0	NONE	-	-	-	23.7	30
								E05	5.3	1	12.7	23.7	30
								E07	7.5	1	18	27.9	35
								E10	10.6	1	25.5	37.2	40
								E15	15.9	2	38.2	53.2	60
								E20	21.2	2	51	69.1	70
	460-3-60	6.2	41	9.7	1.3	2.1	0	NONE	-	-	-	11.1	15
								E07	6.8	1	8.2	12.8	15
								E10	10.1	1	12.1	17.8	20
								E15	13.6	2	16.4	23.1	25
	575-3-60	4.8	33	7.5	1.3	1.9	0	E20	19.5	2	23.5	31.9	35
								NONE	-	-	-	8.9	15
								E10	10.6	1	10.2	15.1	20
								E15	15.9	2	15.3	21.5	25
								E20	21.2	2	20.4	27.9	30

ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Belt Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
ZE060 ZD-05 J05ZE (5.0)	208-1-60	24.4	144.2	38	4.4	6.7	0	NONE	-	-	-	41.6	50
								E05	4	1	19.2	41.6	50
								E07	5.6	1	26.9	42	60
								E10	8	1	38.5	56.5	60
								E15	11.9	2	57.2	79.9	80
								E20	15.9	2	76.4	103.9	110
								E30	22.2	2	106.7	141.8	150
	230-1-60	24.4	144.2	38	4.4	6.7	0	NONE	-	-	-	41.6	50
								E05	5.3	1	22.1	41.6	50
								E07	7.5	1	31.2	47.4	60
								E10	10.6	1	44.2	63.6	70
								E15	15.9	2	66.2	91.2	100
								E20	21.2	2	88.3	118.8	125
								E30	29.6	2	123.3	162.5	175
	208-3-60	16	110	24.9	4.4	4.3	0	NONE	-	-	-	28.7	35
								E05	4	1	11.1	28.7	35
								E07	5.6	1	15.5	28.7	35
								E10	8	1	22.2	33.1	40
								E15	11.9	2	33	46.7	50
								E20	15.9	2	44.1	60.5	70
								E30	22.2	2	61.6	82.4	90
	230-3-60	16	110	24.9	4.4	4.3	0	NONE	-	-	-	28.7	35
								E05	5.3	1	12.7	28.7	35
								E07	7.5	1	18	28.7	35
								E10	10.6	1	25.5	37.2	40
								E15	15.9	2	38.2	53.2	60
								E20	21.2	2	51	69.1	70
								E30	29.6	2	71.2	94.4	100
	460-3-60	7.8	52	12.1	4.4	2.1	0	NONE	-	-	-	14.1	20
								E07	6.8	1	8.2	14.1	20
								E10	10.1	1	12.1	17.8	20
								E15	13.6	2	16.4	23.1	25
								E20	19.5	2	23.5	31.9	35
								E30	28.8	2	34.6	45.9	50
								NONE	-	-	-	10.8	15
	575-3-60	5.7	38.9	8.9	4.4	1.9	0	E10	10.6	1	10.2	15.1	20
								E15	15.9	2	15.3	21.5	25
								E20	21.2	2	20.4	27.9	30
								E30	30.4	2	29.3	38.9	40

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Belt Drive High Static)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZE036 ZD-03 J03ZE (3.0)	208-1-60	15.4	83.9	24	2.3	6.7	0	NONE	-	-	-	28.3	35
								E05	4	1	19.2	32.4	40
								E07	5.6	1	26.9	42	45
								E10	8	1	38.5	56.5	60
								E15	11.9	2	57.2	79.9	80
								E20	15.9	2	76.4	103.9	110
	230-1-60	15.4	83.9	24	2.3	6.7	0	NONE	-	-	-	28.3	35
								E05	5.3	1	22.1	36	40
								E07	7.5	1	31.2	47.4	50
								E10	10.6	1	44.2	63.6	70
								E15	15.9	2	66.2	91.2	100
								E20	21.2	2	88.3	118.8	125
	208-3-60	10.4	73	16.3	2.3	4.3	0	NONE	-	-	-	19.6	25
								E05	4	1	11.1	19.6	25
								E07	5.6	1	15.5	24.8	30
								E10	8	1	22.2	33.1	35
								E15	11.9	2	33	46.7	50
								E20	15.9	2	44.1	60.5	70
	230-3-60	10.4	73	16.3	2.3	4.3	0	NONE	-	-	-	19.6	25
								E05	5.3	1	12.7	21.3	30
								E07	7.5	1	18	27.9	30
								E10	10.6	1	25.5	37.2	40
								E15	15.9	2	38.2	53.2	60
								E20	21.2	2	51	69.1	70
	460-3-60	5.8	38	9	1.3	2.1	0	NONE	-	-	-	10.6	15
								E07	6.8	1	8.2	12.8	15
								E10	10.1	1	12.1	17.8	20
								E15	13.6	2	16.4	23.1	25
	575-3-60	4.2	36.5	5.9	1.3	1.9	0	E20	19.5	2	23.5	31.9	35
								NONE	-	-	-	8.2	15
								E10	10.6	1	10.2	15.1	20
								E15	15.9	2	15.3	21.5	25
ZE048 ZD-04 J04ZE (4.0)	208-1-60	19.6	130	30.5	2.3	6.7	0	E20	21.2	2	20.4	27.9	30
								NONE	-	-	-	33.5	45
								E05	4	1	19.2	33.5	45
								E07	5.6	1	26.9	42	50
								E10	8	1	38.5	56.5	60
								E15	11.9	2	57.2	79.9	80
	230-1-60	19.6	130	30.5	2.3	6.7	0	E20	15.9	2	76.4	103.9	110
								NONE	-	-	-	33.5	45
								E05	5.3	1	22.1	36	45
								E07	7.5	1	31.2	47.4	50
								E10	10.6	1	44.2	63.6	70
								E15	15.9	2	66.2	91.2	100
	208-3-60	13.7	83.1	21.4	2.3	4.3	0	E20	21.2	2	88.3	118.8	125
								NONE	-	-	-	23.7	30
								E05	4	1	11.1	23.7	30
								E07	5.6	1	15.5	24.8	30
								E10	8	1	22.2	33.1	35
								E15	11.9	2	33	46.7	50
	230-3-60	13.7	83.1	21.4	2.3	4.3	0	E20	15.9	2	44.1	60.5	70
								NONE	-	-	-	23.7	30
								E05	5.3	1	12.7	23.7	30
								E07	7.5	1	18	27.9	35
								E10	10.6	1	25.5	37.2	40
								E15	15.9	2	38.2	53.2	60
	460-3-60	6.2	41	9.7	1.3	2.1	0	E20	21.2	2	51	69.1	70
								NONE	-	-	-	11.1	15
								E07	6.8	1	8.2	12.8	15
								E10	10.1	1	12.1	17.8	20
	575-3-60	4.8	33	7.5	1.3	1.9	0	E15	13.6	2	16.4	23.1	25
								E20	19.5	2	23.5	31.9	35
								NONE	-	-	-	8.9	15
								E10	10.6	1	10.2	15.1	20
								E15	15.9	2	15.3	21.5	25
								E20	21.2	2	20.4	27.9	30

ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Belt Drive High Static) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZE060 ZD-05 J05ZE (5.0)	208-3-60	16	110	24.9	4.4	6.8	0	NONE	-	-	-	31.2	40
								E05	4	1	11.1	31.2	40
								E07	5.6	1	15.5	31.2	40
								E10	8	1	22.2	36.3	45
								E15	11.9	2	33	49.8	50
								E20	15.9	2	44.1	63.7	70
								E30	22.2	2	61.6	85.5	90
	230-3-60	16	110	24.9	4.4	6.8	0	NONE	-	-	-	31.2	40
								E05	5.3	1	12.7	31.2	40
								E07	7.5	1	18	31.2	40
								E10	10.6	1	25.5	40.4	45
								E15	15.9	2	38.2	56.3	60
								E20	21.2	2	51	72.2	80
								E30	29.6	2	71.2	97.5	100
	460-3-60	7.8	52	12.1	4.4	3.15	0	NONE	-	-	-	15.1	20
								E07	6.8	1	8.2	15.1	20
								E10	10.1	1	12.1	19.1	20
								E15	13.6	2	16.4	24.4	25
								E20	19.5	2	23.5	33.3	35
								E30	28.8	2	34.6	47.2	50
								NONE	-	-	-	11.1	15
	575-3-60	5.7	38.9	8.9	4.4	2.2	0	E10	10.6	1	10.2	15.5	20
								E15	15.9	2	15.3	21.9	25
								E20	21.2	2	20.4	28.2	30
								E30	30.4	2	29.3	39.3	40

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Direct Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZE036 ZD-03 J03ZE (3.0)	208-1-60	15.4	83.9	24	2.3	6	0	NONE	-	-	-	27.5	35
								E05	4	1	19.2	31.5	40
								E07	5.6	1	26.9	41.2	45
								E10	8	1	38.5	55.6	60
								E15	11.9	2	57.2	79	80
								E20	15.9	2	76.4	103.1	110
	230-1-60	15.4	83.9	24	2.3	6	0	NONE	-	-	-	27.5	35
								E05	5.3	1	22.1	35.1	40
								E07	7.5	1	31.2	46.6	50
								E10	10.6	1	44.2	62.7	70
								E15	15.9	2	66.2	90.3	100
								E20	21.2	2	88.3	117.9	125
	208-3-60	10.4	73	16.3	2.3	6	0	NONE	-	-	-	21.3	30
								E05	4	1	11.1	21.4	30
								E07	5.6	1	15.5	26.9	30
								E10	8	1	22.2	35.3	40
								E15	11.9	2	33	48.8	50
								E20	15.9	2	44.1	62.7	70
	230-3-60	10.4	73	16.3	2.3	6	0	NONE	-	-	-	21.3	30
								E05	5.3	1	12.7	23.4	30
								E07	7.5	1	18	30.1	35
								E10	10.6	1	25.5	39.4	40
								E15	15.9	2	38.2	55.3	60
								E20	21.2	2	51	71.2	80
ZE048 ZD-04 J04ZE (4.0)	208-1-60	19.6	130	30.5	2.3	7.6	0	NONE	-	-	-	34.4	45
								E05	4	1	19.2	34.4	45
								E07	5.6	1	26.9	43.2	50
								E10	8	1	38.5	57.6	60
								E15	11.9	2	57.2	81	90
								E20	15.9	2	76.4	105.1	110
	230-1-60	19.6	130	30.5	2.3	7.6	0	NONE	-	-	-	34.4	45
								E05	5.3	1	22.1	37.1	45
								E07	7.5	1	31.2	48.6	50
								E10	10.6	1	44.2	64.7	70
								E15	15.9	2	66.2	92.3	100
								E20	21.2	2	88.3	119.9	125
	208-3-60	13.7	83.1	21.4	2.3	7.6	0	NONE	-	-	-	27	35
								E05	4	1	11.1	27	35
								E07	5.6	1	15.5	28.9	35
								E10	8	1	22.2	37.3	40
								E15	11.9	2	33	50.8	60
								E20	15.9	2	44.1	64.7	70
	230-3-60	13.7	83.1	21.4	2.3	7.6	0	NONE	-	-	-	27	35
								E05	5.3	1	12.7	27	35
								E07	7.5	1	18	32.1	40
								E10	10.6	1	25.5	41.4	45
								E15	15.9	2	38.2	57.3	60
								E20	21.2	2	51	73.2	80

ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Direct Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
ZE060 ZD-05 J05ZE (5.0)	208-1-60	24.4	144.2	38	4.4	7.6	0	NONE	-	-	-	42.5	60
								E05	4	1	19.2	42.5	60
								E07	5.6	1	26.9	43.2	60
								E10	8	1	38.5	57.6	60
								E15	11.9	2	57.2	81	90
								E20	15.9	2	76.4	105.1	110
								E30	22.2	2	106.7	142.9	150
	230-1-60	24.4	144.2	38	4.4	7.6	0	NONE	-	-	-	42.5	60
								E05	5.3	1	22.1	42.5	60
								E07	7.5	1	31.2	48.6	60
								E10	10.6	1	44.2	64.7	70
								E15	15.9	2	66.2	92.3	100
								E20	21.2	2	88.3	119.9	125
								E30	29.6	2	123.3	163.7	175
	208-3-60	16	110	24.9	4.4	7.6	0	NONE	-	-	-	32	40
								E05	4	1	11.1	32	40
								E07	5.6	1	15.5	32	40
								E10	8	1	22.2	37.3	45
								E15	11.9	2	33	50.8	60
								E20	15.9	2	44.1	64.7	70
								E30	22.2	2	61.6	86.5	90
	230-3-60	16	110	24.9	4.4	7.6	0	NONE	-	-	-	32	40
								E05	5.3	1	12.7	32	40
								E07	7.5	1	18	32.1	40
								E10	10.6	1	25.5	41.4	45
								E15	15.9	2	38.2	57.3	60
								E20	21.2	2	51	73.2	80
								E30	29.6	2	71.2	98.5	100

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF036-060, ZS-03 thru -05 & J03 thru 05ZF (Belt Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF036 ZS-03 J03ZF (3.0)	208-3-60	9.1	68	14.2	2.3	5.2	0	NONE	-	-	-	18.9	25
								E05	4	1	11.1	20.4	25
								E07	5.6	1	15.5	25.9	30
								E10	8	1	22.2	34.3	35
								E15	11.9	2	33	47.8	50
								E20	15.9	2	44.1	61.7	70
	230-3-60	9.1	68	14.2	2.3	5.2	0	NONE	-	-	-	18.9	25
								E05	5.3	1	12.7	22.4	25
								E07	7.5	1	18	29.1	30
								E10	10.6	1	25.5	38.4	40
								E15	15.9	2	38.2	54.3	60
								E20	21.2	2	51	70.2	80
	460-3-60	4.5	34	7	1.3	2.6	0	NONE	-	-	-	9.5	15
								E07	6.8	1	8.2	13.5	15
								E10	10.1	1	12.1	18.4	20
								E15	13.6	2	16.4	23.7	25
								E20	19.5	2	23.5	32.6	35
								NONE	-	-	-	7.8	15
	575-3-60	3.8	28	6	1.3	2	0	E10	10.6	1	10.2	15.2	20
								E15	15.9	2	15.3	21.6	25
								E20	21.2	2	20.4	28	30
ZF048 ZS-04 J04ZF (4.0)	208-3-60	11.2	88	17.5	2.3	5.2	0	NONE	-	-	-	21.5	30
								E05	4	1	11.1	21.5	30
								E07	5.6	1	15.5	25.9	30
								E10	8	1	22.2	34.3	35
								E15	11.9	2	33	47.8	50
								E20	15.9	2	44.1	61.7	70
	230-3-60	11.2	88	17.5	2.3	5.2	0	NONE	-	-	-	21.5	30
								E05	5.3	1	12.7	22.4	30
								E07	7.5	1	18	29.1	30
								E10	10.6	1	25.5	38.4	40
								E15	15.9	2	38.2	54.3	60
								E20	21.2	2	51	70.2	80
	460-3-60	5.6	44	8	1.3	2.6	0	NONE	-	-	-	10.9	15
								E07	6.8	1	8.2	13.5	15
								E10	10.1	1	12.1	18.4	20
								E15	13.6	2	16.4	23.7	25
								E20	19.5	2	23.5	32.6	35
								NONE	-	-	-	8.7	15
	575-3-60	4.5	36	7	1.3	2	0	E10	10.6	1	10.2	15.2	20
								E15	15.9	2	15.3	21.6	25
								E20	21.2	2	20.4	28	30
								NONE	-	-	-	8.7	15

ZF036-060, ZS-03 thru -05 & J03 thru 05ZF (Belt Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF060 ZS-05 J05ZF (5.0)	208-3-60	14.1	88	22	2.3	5.2	0	NONE	-	-	-	25.1	35
								E05	4	1	11.1	25.1	35
								E07	5.6	1	15.5	25.9	35
								E10	8	1	22.2	34.3	35
								E15	11.9	2	33	47.8	50
								E20	15.9	2	44.1	61.7	70
								E30	22.2	2	61.6	83.5	90
	230-3-60	14.1	88	22	2.3	5.2	0	NONE	-	-	-	25.1	35
								E05	5.3	1	12.7	25.1	35
								E07	7.5	1	18	29.1	35
								E10	10.6	1	25.5	38.4	40
								E15	15.9	2	38.2	54.3	60
								E20	21.2	2	51	70.2	80
								E30	29.6	2	71.2	95.5	100
	460-3-60	7.7	55	12	1.3	2.6	0	NONE	-	-	-	13.5	20
								E07	6.8	1	8.2	13.5	20
								E10	10.1	1	12.1	18.4	20
								E15	13.6	2	16.4	23.7	25
								E20	19.5	2	23.5	32.6	35
								E30	28.8	2	34.6	46.6	50
								NONE	-	-	-	9.4	15
	575-3-60	5.1	36	7.5	1.3	2	0	E10	10.6	1	10.2	15.2	20
								E15	15.9	2	15.3	21.6	25
								E20	21.2	2	20.4	28	30
								E30	30.4	2	29.3	39.1	40

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF072, ZS-A6 & JA6ZF (Belt Drive) Cooling With/Without Electric Heat

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF072 ZS-A6 JA6ZF (6.0)	208-3-60	19	123	29.7	4.4	5.2	0	NONE	-	-	-	33.3	45
								E05	4	1	11.1	33.3	45
								E07	5.6	1	15.5	33.3	45
								E10	8	1	22.2	34.3	45
								E15	11.9	2	33	47.8	50
								E20	15.9	2	44.1	61.7	70
								E30	22.2	2	61.6	83.5	90
	230-3-60	19	123	29.7	4.4	5.2	0	NONE	-	-	-	33.3	45
								E05	5.3	1	12.7	33.3	45
								E07	7.5	1	18	33.3	45
								E10	10.6	1	25.5	38.4	50
								E15	15.9	2	38.2	54.3	60
								E20	21.2	2	51	70.2	80
								E30	29.6	2	71.2	95.5	100
	460-3-60	9.7	62	15.2	4.4	2.6	0	NONE	-	-	-	16.9	25
								E07	6.8	1	8.2	16.9	25
								E10	10.1	1	12.1	18.4	25
								E15	13.6	2	16.4	23.7	25
								E20	19.5	2	23.5	32.6	35
								E30	28.8	2	34.6	46.6	50
								NONE	-	-	-	13	15
	575-3-60	7.4	50	11.6	4.4	2	0	E10	10.6	1	10.2	15.2	20
								E15	15.9	2	15.3	21.6	25
								E20	21.2	2	20.4	28	30
								E30	30.4	2	29.3	39.1	40

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF036-060, ZS-03 thru -05 & J03 thru 05ZF (Belt Drive High Static)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF036 ZS-03 J03ZF (3.0)	208-3-60	9.1	68	14.2	2.3	5.2	0	NONE	-	-	-	18.9	25
								E05	4	1	11.1	20.4	25
								E07	5.6	1	15.5	25.9	30
								E10	8	1	22.2	34.3	35
								E15	11.9	2	33	47.8	50
	230-3-60	9.1	68	14.2	2.3	5.2	0	E20	15.9	2	44.1	61.7	70
								NONE	-	-	-	18.9	25
								E05	5.3	1	12.7	22.4	25
								E07	7.5	1	18	29.1	30
								E10	10.6	1	25.5	38.4	40
	460-3-60	4.5	34	7	1.3	2.6	0	E15	15.9	2	38.2	54.3	60
								E20	21.2	2	51	70.2	80
								NONE	-	-	-	9.5	15
								E07	6.8	1	8.2	13.5	15
								E10	10.1	1	12.1	18.4	20
ZF048 ZS-04 J04ZF (4.0)	575-3-60	3.8	28	6	1.3	2	0	E15	13.6	2	16.4	23.7	25
								E20	19.5	2	23.5	32.6	35
								NONE	-	-	-	7.8	15
								E10	10.6	1	10.2	15.2	20
								E15	15.9	2	15.3	21.6	25
	208-3-60	11.2	88	17.5	2.3	5.2	0	E20	21.2	2	20.4	28	30
								NONE	-	-	-	21.5	30
								E05	4	1	11.1	21.5	30
								E07	5.6	1	15.5	25.9	30
								E10	8	1	22.2	34.3	35
	230-3-60	11.2	88	17.5	2.3	5.2	0	E15	11.9	2	33	47.8	50
								E20	15.9	2	44.1	61.7	70
								NONE	-	-	-	21.5	30
								E05	5.3	1	12.7	22.4	30
								E07	7.5	1	18	29.1	30
	460-3-60	5.6	44	8	1.3	2.6	0	E10	10.6	1	25.5	38.4	40
								E15	15.9	2	38.2	54.3	60
								E20	21.2	2	51	70.2	80
								NONE	-	-	-	10.9	15
								E07	6.8	1	8.2	13.5	15
ZF048 ZS-04 J04ZF (4.0)	575-3-60	4.5	36	7	1.3	2	0	E10	10.1	1	12.1	18.4	20
								E15	13.6	2	16.4	23.7	25
								E20	19.5	2	23.5	32.6	35
								NONE	-	-	-	8.7	15
	208-3-60	11.2	88	17.5	2.3	5.2	0	E10	10.6	1	10.2	15.2	20
								E15	15.9	2	15.3	21.6	25
								E20	21.2	2	20.4	28	30
								NONE	-	-	-	21.5	30

ZF036-060, ZS-03 thru -05 & J03 thru 05ZF (Belt Drive High Static) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
ZF060 ZS-05 J05ZF (5.0)	208-3-60	14.1	88	22	2.3	6.8	0	NONE	-	-	-	26.7	35
								E05	4	1	11.1	26.7	35
								E07	5.6	1	15.5	27.9	35
								E10	8	1	22.2	36.3	40
								E15	11.9	2	33	49.8	50
								E20	15.9	2	44.1	63.7	70
								E30	22.2	2	61.6	85.5	90
	230-3-60	14.1	88	22	2.3	6.8	0	NONE	-	-	-	26.7	35
								E05	5.3	1	12.7	26.7	35
								E07	7.5	1	18	31.1	40
								E10	10.6	1	25.5	40.4	45
								E15	15.9	2	38.2	56.3	60
								E20	21.2	2	51	72.2	80
								E30	29.6	2	71.2	97.5	100
	460-3-60	7.7	55	12	1.3	3.4	0	NONE	-	-	-	14.3	20
								E07	6.8	1	8.2	14.5	20
								E10	10.1	1	12.1	19.4	20
								E15	13.6	2	16.4	24.7	25
								E20	19.5	2	23.5	33.6	35
								E30	28.8	2	34.6	47.6	50
								NONE	-	-	-	9.8	15
	575-3-60	5.1	36	7.5	1.3	2.4	0	E10	10.6	1	10.2	15.7	20
								E15	15.9	2	15.3	22.1	25
								E20	21.2	2	20.4	28.5	30
								E30	30.4	2	29.3	39.6	40
								NONE	-	-	-	9.8	15

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF072, ZS-A6 & JA6ZF (Belt Drive High Static) Cooling With/Without Electric Heat

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF072 ZS-A6 JA6ZF (6.0)	208-3-60	19	123	29.7	4.4	9.6	0	NONE	-	-	-	37.8	50
								E05	4	1	11.1	37.8	50
								E07	5.6	1	15.5	37.8	50
								E10	8	1	22.2	39.8	50
								E15	11.9	2	33	53.3	60
								E20	15.9	2	44.1	67.2	70
	230-3-60	19	123	29.7	4.4	9.6	0	E30	22.2	2	61.6	89	90
								NONE	-	-	-	37.8	50
								E05	5.3	1	12.7	37.8	50
								E07	7.5	1	18	37.8	50
								E10	10.6	1	25.5	43.9	50
								E15	15.9	2	38.2	59.8	60
	460-3-60	9.7	62	15.2	4.4	4.7	0	E20	21.2	2	51	75.7	80
								E30	29.6	2	71.2	101	110
								NONE	-	-	-	19	25
								E07	6.8	1	8.2	19	25
								E10	10.1	1	12.1	21.1	25
								E15	13.6	2	16.4	26.3	30
	575-3-60	7.4	50	11.6	4.4	3.6	0	E20	19.5	2	23.5	35.2	40
								E30	28.8	2	34.6	49.2	50
								NONE	-	-	-	14.6	20
								E10	10.6	1	10.2	17.2	20
								E15	15.9	2	15.3	23.6	25
								E20	21.2	2	20.4	30	30
								E30	30.4	2	29.3	41.1	45

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF036-060, ZS-03 thru -05 & J03 thru 05ZF (Direct Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF036 ZS-03 J03ZF (3.0)	208-3-60	9.1	68	14.2	2.3	6	0	NONE	-	-	-	19.7	25
								E05	4	1	11.1	21.4	25
								E07	5.6	1	15.5	26.9	30
								E10	8	1	22.2	35.3	40
								E15	11.9	2	33	48.8	50
								E20	15.9	2	44.1	62.7	70
	230-3-60	9.1	68	14.2	2.3	6	0	NONE	-	-	-	19.7	25
								E05	5.3	1	12.7	23.4	25
								E07	7.5	1	18	30.1	35
								E10	10.6	1	25.5	39.4	40
								E15	15.9	2	38.2	55.3	60
								E20	21.2	2	51	71.2	80
ZF048 ZS-04 J04ZF (4.0)	208-3-60	11.2	88	17.5	2.3	7.6	0	NONE	-	-	-	23.9	30
								E05	4	1	11.1	23.9	30
								E07	5.6	1	15.5	28.9	35
								E10	8	1	22.2	37.3	40
								E15	11.9	2	33	50.8	60
								E20	15.9	2	44.1	64.7	70
	230-3-60	11.2	88	17.5	2.3	7.6	0	NONE	-	-	-	23.9	30
								E05	5.3	1	12.7	25.4	35
								E07	7.5	1	18	32.1	35
								E10	10.6	1	25.5	41.4	45
								E15	15.9	2	38.2	57.3	60
								E20	21.2	2	51	73.2	80
ZF060 ZS-05 J05ZF (5.0)	208-3-60	14.1	88	22	2.3	7.6	0	NONE	-	-	-	27.5	35
								E05	4	1	11.1	27.5	35
								E07	5.6	1	15.5	28.9	35
								E10	8	1	22.2	37.3	40
								E15	11.9	2	33	50.8	60
								E20	15.9	2	44.1	64.7	70
								E30	22.2	2	61.6	86.5	90
	230-3-60	14.1	88	22	2.3	7.6	0	NONE	-	-	-	27.5	35
								E05	5.3	1	12.7	27.5	35
								E07	7.5	1	18	32.1	40
								E10	10.6	1	25.5	41.4	45
								E15	15.9	2	38.2	57.3	60
								E20	21.2	2	51	73.2	80
								E30	29.6	2	71.2	98.5	100

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF072, ZS-A6 & JA6ZF (Direct Drive) Cooling With/Without Electric Heat

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF072 ZS-A6 JA6ZF (6.0)	208-3-60	19	123	29.7	4.4	7.6	0	NONE	-	-	-	35.8	50
								E05	4	1	11.1	35.8	50
								E07	5.6	1	15.5	35.8	50
								E10	8	1	22.2	37.3	50
								E15	11.9	2	33	50.8	60
								E20	15.9	2	44.1	64.7	70
								E30	22.2	2	61.6	86.5	90
	230-3-60	19	123	29.7	4.4	7.6	0	NONE	-	-	-	35.8	50
								E05	5.3	1	12.7	35.8	50
								E07	7.5	1	18	35.8	50
								E10	10.6	1	25.5	41.4	50
								E15	15.9	2	38.2	57.3	60
								E20	21.2	2	51	73.2	80
								E30	29.6	2	71.2	98.5	100

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZR036-060, ZK-03 thru -05 & J03 thru 05ZR (Belt Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZR036 ZK-03 J03ZR (3.0)	208-3-60	10.4	73	16.3	2.3	5.2	0	NONE	-	-	-	20.5	25
								E05	4	1	11.1	20.5	25
								E07	5.6	1	15.5	25.9	30
								E10	8	1	22.2	34.3	35
								E15	11.9	2	33	47.8	50
								E20	15.9	2	44.1	61.7	70
	230-3-60	10.4	73	16.3	2.3	5.2	0	NONE	-	-	-	20.5	25
								E05	5.3	1	12.7	22.4	30
								E07	7.5	1	18	29.1	30
								E10	10.6	1	25.5	38.4	40
								E15	15.9	2	38.2	54.3	60
								E20	21.2	2	51	70.2	80
	460-3-60	5.8	38	9	1.3	2.6	0	NONE	-	-	-	11.1	15
								E07	6.8	1	8.2	13.5	15
								E10	10.1	1	12.1	18.4	20
								E15	13.6	2	16.4	23.7	25
								E20	19.5	2	23.5	32.6	35
								NONE	-	-	-	7.8	15
	575-3-60	3.8	36.5	5.9	1.3	2	0	E10	10.6	1	10.2	15.2	20
								E15	15.9	2	15.3	21.6	25
								E20	21.2	2	20.4	28	30
								NONE	-	-	-	24.6	30
ZR048 ZK-04 J04ZR (4.0)	208-3-60	13.7	83.1	21.4	2.3	5.2	0	NONE	-	-	-	24.6	30
								E05	4	1	11.1	24.6	30
								E07	5.6	1	15.5	25.9	35
								E10	8	1	22.2	34.3	35
								E15	11.9	2	33	47.8	50
								E20	15.9	2	44.1	61.7	70
	230-3-60	13.7	83.1	21.4	2.3	5.2	0	NONE	-	-	-	24.6	30
								E05	5.3	1	12.7	24.6	30
								E07	7.5	1	18	29.1	35
								E10	10.6	1	25.5	38.4	40
								E15	15.9	2	38.2	54.3	60
								E20	21.2	2	51	70.2	80
	460-3-60	6.2	41	9.7	1.3	2.6	0	NONE	-	-	-	11.6	15
								E07	6.8	1	8.2	13.5	15
								E10	10.1	1	12.1	18.4	20
								E15	13.6	2	16.4	23.7	25
								E20	19.5	2	23.5	32.6	35
								NONE	-	-	-	9	15
	575-3-60	4.8	33	7.5	1.3	2	0	E10	10.6	1	10.2	15.2	20
								E15	15.9	2	15.3	21.6	25
								E20	21.2	2	20.4	28	30
								NONE	-	-	-	24.6	30

ZR036-060, ZK-03 thru -05 & J03 thru 05ZR (Belt Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
ZR060 ZK-05 J05ZR (5.0)	208-3-60	16	110	24.9	2.3	5.2	0	NONE	-	-	-	27.5	35
								E05	4	1	11.1	27.5	35
								E07	5.6	1	15.5	27.5	35
								E10	8	1	22.2	34.3	40
								E15	11.9	2	33	47.8	50
								E20	15.9	2	44.1	61.7	70
	230-3-60	16	110	24.9	2.3	5.2	0	E30	22.2	2	61.6	83.5	90
								NONE	-	-	-	27.5	35
								E05	5.3	1	12.7	27.5	35
								E07	7.5	1	18	29.1	35
								E10	10.6	1	25.5	38.4	40
								E15	15.9	2	38.2	54.3	60
	460-3-60	7.8	52	12.1	1.3	2.6	0	E20	21.2	2	51	70.2	80
								E30	29.6	2	71.2	95.5	100
								NONE	-	-	-	13.6	20
								E07	6.8	1	8.2	13.6	20
								E10	10.1	1	12.1	18.4	20
								E15	13.6	2	16.4	23.7	25
	575-3-60	5.7	38.9	8.9	1.3	2	0	E20	19.5	2	23.5	32.6	35
								E30	28.8	2	34.6	46.6	50
								NONE	-	-	-	10.2	15
								E10	10.6	1	10.2	15.2	20
								E15	15.9	2	15.3	21.6	25
								E20	21.2	2	20.4	28	30
								E30	30.4	2	29.3	39.1	40

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZR036-060, ZK-03 thru -05 & J03 thru 05ZR (Belt Drive High Static)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZR036 ZK-03 J03ZR (3.0)	208-3-60	10.4	73	16.3	2.3	5.2	0	NONE	-	-	-	20.5	25
								E05	4	1	11.1	20.5	25
								E07	5.6	1	15.5	25.9	30
								E10	8	1	22.2	34.3	35
								E15	11.9	2	33	47.8	50
								E20	15.9	2	44.1	61.7	70
	230-3-60	10.4	73	16.3	2.3	5.2	0	NONE	-	-	-	20.5	25
								E05	5.3	1	12.7	22.4	30
								E07	7.5	1	18	29.1	30
								E10	10.6	1	25.5	38.4	40
								E15	15.9	2	38.2	54.3	60
								E20	21.2	2	51	70.2	80
	460-3-60	5.8	38	9	1.3	2.6	0	NONE	-	-	-	11.1	15
								E07	6.8	1	8.2	13.5	15
								E10	10.1	1	12.1	18.4	20
								E15	13.6	2	16.4	23.7	25
								E20	19.5	2	23.5	32.6	35
								NONE	-	-	-	7.8	15
	575-3-60	3.8	36.5	5.9	1.3	2	0	E10	10.6	1	10.2	15.2	20
								E15	15.9	2	15.3	21.6	25
								E20	21.2	2	20.4	28	30
								NONE	-	-	-	24.6	30
ZR048 ZK-04 J04ZR (4.0)	208-3-60	13.7	83.1	21.4	2.3	5.2	0	NONE	-	-	-	24.6	30
								E05	4	1	11.1	24.6	30
								E07	5.6	1	15.5	25.9	35
								E10	8	1	22.2	34.3	35
								E15	11.9	2	33	47.8	50
								E20	15.9	2	44.1	61.7	70
	230-3-60	13.7	83.1	21.4	2.3	5.2	0	NONE	-	-	-	24.6	30
								E05	5.3	1	12.7	24.6	30
								E07	7.5	1	18	29.1	35
								E10	10.6	1	25.5	38.4	40
								E15	15.9	2	38.2	54.3	60
								E20	21.2	2	51	70.2	80
	460-3-60	6.2	41	9.7	1.3	2.6	0	NONE	-	-	-	11.6	15
								E07	6.8	1	8.2	13.5	15
								E10	10.1	1	12.1	18.4	20
								E15	13.6	2	16.4	23.7	25
								E20	19.5	2	23.5	32.6	35
								NONE	-	-	-	9	15
	575-3-60	4.8	33	7.5	1.3	2	0	E10	10.6	1	10.2	15.2	20
								E15	15.9	2	15.3	21.6	25
								E20	21.2	2	20.4	28	30
								NONE	-	-	-	24.6	30

ZR036-060, ZK-03 thru -05 & J03 thru 05ZR (Belt Drive High Static) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZR060 ZK-05 J05ZR (5.0)	208-3-60	16	110	24.9	2.3	6.8	0	NONE	-	-	-	29.1	35
								E05	4	1	11.1	29.1	35
								E07	5.6	1	15.5	29.1	35
								E10	8	1	22.2	36.3	45
								E15	11.9	2	33	49.8	50
								E20	15.9	2	44.1	63.7	70
	230-3-60	16	110	24.9	2.3	6.8	0	E30	22.2	2	61.6	85.5	90
								NONE	-	-	-	29.1	35
								E05	5.3	1	12.7	29.1	35
								E07	7.5	1	18	31.1	40
								E10	10.6	1	25.5	40.4	45
								E15	15.9	2	38.2	56.3	60
	460-3-60	7.8	52	12.1	1.3	3.4	0	E20	21.2	2	51	72.2	80
								E30	29.6	2	71.2	97.5	100
								NONE	-	-	-	14.5	20
								E07	6.8	1	8.2	14.5	20
								E10	10.1	1	12.1	19.4	20
								E15	13.6	2	16.4	24.7	25
	575-3-60	5.7	38.9	8.9	1.3	2.4	0	E20	19.5	2	23.5	33.6	35
								E30	28.8	2	34.6	47.6	50
								NONE	-	-	-	10.6	15
								E10	10.6	1	10.2	15.7	20
								E15	15.9	2	15.3	22.1	25
								E20	21.2	2	20.4	28.5	30
								E30	30.4	2	29.3	39.6	40

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZR036-060, ZK-03 thru -05 & J03 thru 05ZR (Direct Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZR036 ZK-03 J03ZR (3.0)	208-3-60	10.4	73	16.3	2.3	6	0	NONE	-	-	-	21.3	30
								E05	4	1	11.1	21.4	30
								E07	5.6	1	15.5	26.9	30
								E10	8	1	22.2	35.3	40
								E15	11.9	2	33	48.8	50
								E20	15.9	2	44.1	62.7	70
	230-3-60	10.4	73	16.3	2.3	6	0	NONE	-	-	-	21.3	30
								E05	5.3	1	12.7	23.4	30
								E07	7.5	1	18	30.1	35
								E10	10.6	1	25.5	39.4	40
								E15	15.9	2	38.2	55.3	60
ZR048 ZK-04 J04ZR (4.0)	208-3-60	13.7	83.1	21.4	2.3	7.6	0	NONE	-	-	-	27	35
								E05	4	1	11.1	27	35
								E07	5.6	1	15.5	28.9	35
								E10	8	1	22.2	37.3	40
								E15	11.9	2	33	50.8	60
								E20	15.9	2	44.1	64.7	70
	230-3-60	13.7	83.1	21.4	2.3	7.6	0	NONE	-	-	-	27	35
								E05	5.3	1	12.7	27	35
								E07	7.5	1	18	32.1	40
								E10	10.6	1	25.5	41.4	45
								E15	15.9	2	38.2	57.3	60
ZR060 ZK-05 J05ZR (5.0)	208-3-60	16	110	24.9	2.3	7.6	0	NONE	-	-	-	29.9	40
								E05	4	1	11.1	29.9	40
								E07	5.6	1	15.5	29.9	40
								E10	8	1	22.2	37.3	45
								E15	11.9	2	33	50.8	60
	230-3-60	16	110	24.9	2.3	7.6	0	E20	15.9	2	44.1	64.7	70
								E30	22.2	2	61.6	86.5	90
								NONE	-	-	-	29.9	40
								E05	5.3	1	12.7	29.9	40
								E07	7.5	1	18	32.1	40
								E10	10.6	1	25.5	41.4	45
								E15	15.9	2	38.2	57.3	60
								E20	21.2	2	51	73.2	80
								E30	29.6	2	71.2	98.5	100

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XN036-060, XT-03 thru -05 & J03 thru 05XN (Belt Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
XN036 XT-03 J03XN (3.0)	208-1-60	16.7	109	26	1.3	6.7	0	NONE	-	-	-	28.9	35
								E05	4	1	19.2	52.9	60
								E07	5.6	1	26.9	62.5	70
								E10	8	1	38.5	77	80
								E15	11.9	2	57.2	100.4	110
	230-1-60	16.7	109	26	1.3	6.7	0	E20	15.9	2	76.4	124.4	125
								NONE	-	-	-	28.9	35
								E05	5.3	1	22.1	56.5	60
								E07	7.5	1	31.2	67.9	70
								E10	10.6	1	44.2	84.1	90
	208-3-60	11.2	88	17.5	1.3	4.3	0	E15	15.9	2	66.2	111.7	125
								E20	21.2	2	88.3	139.3	150
								NONE	-	-	-	19.6	25
								E05	4	1	11.1	33.5	40
								E07	5.6	1	15.5	39	45
	230-3-60	11.2	88	17.5	1.3	4.3	0	E10	8	1	22.2	47.4	50
								E15	11.9	2	33	60.9	70
								E20	15.9	2	44.1	74.8	80
								NONE	-	-	-	19.6	25
								E05	5.3	1	12.7	35.5	40
	460-3-60	5.5	43.2	7.7	0.8	2.1	0	E07	7.5	1	18	42.2	45
								E10	10.6	1	25.5	51.5	60
								E15	15.9	2	38.2	67.4	70
								E20	21.2	2	51	83.3	90
								NONE	-	-	-	9.8	15
	575-3-60	3.8	34	6	0.8	1.9	0	E07	6.8	1	8.2	20	20
								E10	10.1	1	12.1	25	25
								E15	13.6	2	16.4	30.2	35
								E20	19.5	2	23.5	39.1	40
								NONE	-	-	-	7.3	15
								E10	10.6	1	10.2	20	25
								E15	15.9	2	15.3	26.4	30
								E20	21.2	2	20.4	32.8	35

XN036-060, XT-03 thru -05 & J03 thru 05XN (Belt Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XN048 XT-04 J04XN (4.0)	208-1-60	19.6	130	30.5	2.8	6.7	0	NONE	-	-	-	34	45
								E05	4	1	19.2	58	70
								E07	5.6	1	26.9	67.7	80
								E10	8	1	38.5	82.1	90
								E15	11.9	2	57.2	105.5	110
	230-1-60	19.6	130	30.5	2.8	6.7	0	E20	15.9	2	76.4	129.6	150
								NONE	-	-	-	34	45
								E05	5.3	1	22.1	61.6	70
								E07	7.5	1	31.2	73.1	80
								E10	10.6	1	44.2	89.2	90
	208-3-60	13.7	83.1	21.4	2.8	4.3	0	E15	15.9	2	66.2	116.8	125
								E20	21.2	2	88.3	144.4	150
								NONE	-	-	-	24.2	30
								E05	4	1	11.1	38.1	45
								E07	5.6	1	15.5	43.7	50
	230-3-60	13.7	83.1	21.4	2.8	4.3	0	E10	8	1	22.2	52	60
								E15	11.9	2	33	65.5	70
								E20	15.9	2	44.1	79.4	80
								NONE	-	-	-	24.2	30
								E05	5.3	1	12.7	40.2	50
	460-3-60	6.2	41	9.7	2.8	2.1	0	E07	7.5	1	18	46.8	50
								E10	10.6	1	25.5	56.1	60
								E15	15.9	2	38.2	72	80
								E20	21.2	2	51	88	90
								NONE	-	-	-	11.3	15
	575-3-60	4.8	33	7.5	2.8	1.9	0	E07	6.8	1	8.2	21.5	25
								E10	10.1	1	12.1	26.4	30
								E15	13.6	2	16.4	31.7	35
								E20	19.5	2	23.5	40.6	45
								NONE	-	-	-	9	15
								E10	10.6	1	10.2	21.8	25
								E15	15.9	2	15.3	28.1	30
								E20	21.2	2	20.4	34.5	35

XN036-060, XT-03 thru -05 & J03 thru 05XN (Belt Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XN060 XT-05 J05XN (5.0)	208-1-60	27.1	152.9	42.3	2.8	4.3	0	NONE	-	-	-	41	50
								E05	4	1	19.2	65	80
								E07	5.6	1	26.9	74.6	90
								E10	8	1	38.5	89.1	100
								E15	11.9	2	57.2	112.5	125
								E20	15.9	2	76.4	136.5	150
	230-1-60	27.1	152.9	42.3	2.8	4.3	0	E30	22.2	2	106.7	174.4	175
								NONE	-	-	-	41	50
								E05	5.3	1	22.1	68.6	90
								E07	7.5	1	31.2	80	90
								E10	10.6	1	44.2	96.2	110
								E15	15.9	2	66.2	123.8	125
	208-3-60	16.5	110	25.8	2.8	4.3	0	E20	21.2	2	88.3	151.4	175
								E30	29.6	2	123.3	195.1	200
								NONE	-	-	-	27.7	35
								E05	4	1	11.1	41.6	50
								E07	5.6	1	15.5	47.2	50
								E10	8	1	22.2	55.5	60
	230-3-60	16.5	110	25.8	2.8	4.3	0	E15	11.9	2	33	69	70
								E20	15.9	2	44.1	82.9	90
								E30	22.2	2	61.6	104.8	110
								NONE	-	-	-	27.7	35
								E05	5.3	1	12.7	43.7	50
								E07	7.5	1	18	50.3	60
	460-3-60	7.2	52	11.3	2.8	2.1	0	E10	10.6	1	25.5	59.6	60
								E15	15.9	2	38.2	75.5	80
								E20	21.2	2	51	91.5	100
								E30	29.6	2	71.2	116.7	125
								NONE	-	-	-	12.5	15
								E07	6.8	1	8.2	22.7	25
575-3-60	5.5	38.9	8.6	2.8	1.9	0	0	E10	10.1	1	12.1	27.7	30
								E15	13.6	2	16.4	32.9	35
								E20	19.5	2	23.5	41.8	45
								E30	28.8	2	34.6	55.8	60
								NONE	-	-	-	9.9	15
575-3-60	5.5	38.9	8.6	2.8	1.9	0	0	E10	10.6	1	10.2	22.6	25
								E15	15.9	2	15.3	29	30
								E20	21.2	2	20.4	35.4	40
								E30	30.4	2	29.3	46.5	50

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XN036-060, XT-03 thru -05 & J03 thru 05XN (Belt Drive High Static)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
XN036 XT-03 J03XN (3.0)	208-1-60	16.7	109	26	1.3	6.7	0	NONE	-	-	-	28.9	35
								E05	4	1	19.2	52.9	60
								E07	5.6	1	26.9	62.5	70
								E10	8	1	38.5	77	80
								E15	11.9	2	57.2	100.4	110
	230-1-60	16.7	109	26	1.3	6.7	0	E20	15.9	2	76.4	124.4	125
								NONE	-	-	-	28.9	35
								E05	5.3	1	22.1	56.5	60
								E07	7.5	1	31.2	67.9	70
								E10	10.6	1	44.2	84.1	90
	208-3-60	11.2	88	17.5	1.3	4.3	0	E15	15.9	2	66.2	111.7	125
								E20	21.2	2	88.3	139.3	150
								NONE	-	-	-	19.6	25
								E05	4	1	11.1	33.5	40
								E07	5.6	1	15.5	39	45
	230-3-60	11.2	88	17.5	1.3	4.3	0	E10	8	1	22.2	47.4	50
								E15	11.9	2	33	60.9	70
								E20	15.9	2	44.1	74.8	80
								NONE	-	-	-	19.6	25
								E05	5.3	1	12.7	35.5	40
	460-3-60	5.5	43.2	7.7	0.8	2.1	0	E07	7.5	1	18	42.2	45
								E10	10.6	1	25.5	51.5	60
								E15	15.9	2	38.2	67.4	70
								E20	21.2	2	51	83.3	90
								NONE	-	-	-	9.8	15
575-3-60	3.8	34	6	0.8	1.9	0	0	E07	6.8	1	8.2	20	20
								E10	10.1	1	12.1	25	25
								E15	13.6	2	16.4	30.2	35
								E20	19.5	2	23.5	39.1	40
								NONE	-	-	-	7.3	15
	575-3-60	3.8	34	6	0.8	1.9	0	E10	10.6	1	10.2	20	25
								E15	15.9	2	15.3	26.4	30
								E20	21.2	2	20.4	32.8	35

XN036-060, XT-03 thru -05 & J03 thru 05XN (Belt Drive High Static) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)				
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps						
XN048 XT-04 J04XN (4.0)	208-1-60	19.6	130	30.5	2.8	6.7	0	NONE	-	-	-	34	45				
								E05	4	1	19.2	58	70				
								E07	5.6	1	26.9	67.7	80				
								E10	8	1	38.5	82.1	90				
								E15	11.9	2	57.2	105.5	110				
								E20	15.9	2	76.4	129.6	150				
	230-1-60	19.6	130	30.5	2.8	6.7	0	NONE	-	-	-	34	45				
								E05	5.3	1	22.1	61.6	70				
								E07	7.5	1	31.2	73.1	80				
								E10	10.6	1	44.2	89.2	90				
								E15	15.9	2	66.2	116.8	125				
								E20	21.2	2	88.3	144.4	150				
	208-3-60	13.7	83.1	21.4	2.8	4.3	0	NONE	-	-	-	24.2	30				
								E05	4	1	11.1	38.1	45				
								E07	5.6	1	15.5	43.7	50				
								E10	8	1	22.2	52	60				
								E15	11.9	2	33	65.5	70				
								E20	15.9	2	44.1	79.4	80				
	230-3-60	13.7	83.1	21.4	2.8	4.3	0	NONE	-	-	-	24.2	30				
								E05	5.3	1	12.7	40.2	50				
								E07	7.5	1	18	46.8	50				
								E10	10.6	1	25.5	56.1	60				
								E15	15.9	2	38.2	72	80				
								E20	21.2	2	51	88	90				
	460-3-60	6.2	41	9.7	2.8	2.1	0	NONE	-	-	-	11.3	15				
								E07	6.8	1	8.2	21.5	25				
								E10	10.1	1	12.1	26.4	30				
								E15	13.6	2	16.4	31.7	35				
								E20	19.5	2	23.5	40.6	45				
	575-3-60	4.8	33	7.5	2.8	1.9	0	NONE	-	-	-	9	15				
								E10	10.6	1	10.2	21.8	25				
								E15	15.9	2	15.3	28.1	30				
E20								21.2	2	20.4	34.5	35					
XN060 XT-05 J05XN (5.0)	208-3-60	16.5	110	25.8	2.8	6.8	0	NONE	-	-	-	30.2	40				
								E05	4	1	11.1	44.1	50				
								E07	5.6	1	15.5	49.7	60				
								E10	8	1	22.2	58	60				
								E15	11.9	2	33	71.5	80				
								E20	15.9	2	44.1	85.4	90				
								E30	22.2	2	61.6	107.3	110				
	230-3-60	16.5	110	25.8	2.8	6.8	0	NONE	-	-	-	30.2	40				
								E05	5.3	1	12.7	46.2	50				
								E07	7.5	1	18	52.8	60				
								E10	10.6	1	25.5	62.1	70				
								E15	15.9	2	38.2	78	80				
								E20	21.2	2	51	94	100				
								E30	29.6	2	71.2	119.2	125				
	460-3-60	7.2	52	11.3	2.8	3.15	0	NONE	-	-	-	13.6	20				
								E07	6.8	1	8.2	23.8	25				
								E10	10.1	1	12.1	28.7	30				
								E15	13.6	2	16.4	34	35				
								E20	19.5	2	23.5	42.9	45				
								E30	28.8	2	34.6	56.9	60				
	575-3-60	5.5	38.9	8.6	2.8	2.2	0	NONE	-	-	-	10.2	15				
								E10	10.6	1	10.2	22.9	25				
								E15	15.9	2	15.3	29.3	30				
								E20	21.2	2	20.4	35.7	40				
E30								30.4	2	29.3	46.8	50					

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XN036-060, XT-03 thru -05 & J03 thru 05XN (Direct Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XN036 XT-03 J03XN (3.0)	208-1-60	16.7	109	26	1.3	6	0	NONE	-	-	-	28.2	35
								E05	4	1	19.2	52.2	60
								E07	5.6	1	26.9	61.8	70
								E10	8	1	38.5	76.3	80
								E15	11.9	2	57.2	99.7	100
								E20	15.9	2	76.4	123.7	125
	230-1-60	16.7	109	26	1.3	6	0	NONE	-	-	-	28.2	35
								E05	5.3	1	22.1	55.8	60
								E07	7.5	1	31.2	67.2	70
								E10	10.6	1	44.2	83.4	90
								E15	15.9	2	66.2	111	125
								E20	21.2	2	88.3	138.6	150
	208-3-60	11.2	88	17.5	1.3	6	0	NONE	-	-	-	21.3	30
								E05	4	1	11.1	35.2	40
								E07	5.6	1	15.5	40.7	45
								E10	8	1	22.2	49.1	50
								E15	11.9	2	33	62.6	70
								E20	15.9	2	44.1	76.5	80
	230-3-60	11.2	88	17.5	1.3	6	0	NONE	-	-	-	21.3	30
								E05	5.3	1	12.7	37.2	45
								E07	7.5	1	18	43.9	50
								E10	10.6	1	25.5	53.2	60
								E15	15.9	2	38.2	69.1	70
								E20	21.2	2	51	85	90
XN048 XT-04 J04XN (4.0)	208-1-60	19.6	130	30.5	2.8	7.6	0	NONE	-	-	-	34.9	45
								E05	4	1	19.2	58.9	70
								E07	5.6	1	26.9	68.6	80
								E10	8	1	38.5	83	90
								E15	11.9	2	57.2	106.4	110
								E20	15.9	2	76.4	130.5	150
	230-1-60	19.6	130	30.5	2.8	7.6	0	NONE	-	-	-	34.9	45
								E05	5.3	1	22.1	62.5	70
								E07	7.5	1	31.2	74	80
								E10	10.6	1	44.2	90.1	100
								E15	15.9	2	66.2	117.7	125
								E20	21.2	2	88.3	145.3	150
	208-3-60	13.7	83.1	21.4	2.8	7.6	0	NONE	-	-	-	27.5	35
								E05	4	1	11.1	41.4	50
								E07	5.6	1	15.5	47	50
								E10	8	1	22.2	55.3	60
								E15	11.9	2	33	68.8	70
								E20	15.9	2	44.1	82.7	90
	230-3-60	13.7	83.1	21.4	2.8	7.6	0	NONE	-	-	-	27.5	35
								E05	5.3	1	12.7	43.5	50
								E07	7.5	1	18	50.1	60
								E10	10.6	1	25.5	59.4	60
								E15	15.9	2	38.2	75.3	80
								E20	21.2	2	51	91.3	100

XN036-060, XT-03 thru -05 & J03 thru 05XN (Direct Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XN060 XT-05 J05XN (5.0)	208-1-60	27.1	152.9	42.3	2.8	7.6	0	NONE	-	-	-	44.3	60
								E05	4	1	19.2	68.3	90
								E07	5.6	1	26.9	77.9	90
								E10	8	1	38.5	92.4	100
								E15	11.9	2	57.2	115.8	125
								E20	15.9	2	76.4	139.8	150
								E30	22.2	2	106.7	177.7	200
	230-1-60	27.1	152.9	42.3	2.8	7.6	0	NONE	-	-	-	44.3	60
								E05	5.3	1	22.1	71.9	90
								E07	7.5	1	31.2	83.3	100
								E10	10.6	1	44.2	99.5	110
								E15	15.9	2	66.2	127.1	150
								E20	21.2	2	88.3	154.7	175
								E30	29.6	2	123.3	198.4	200
	208-3-60	16.5	110	25.8	2.8	7.6	0	NONE	-	-	-	31	40
								E05	4	1	11.1	44.9	50
								E07	5.6	1	15.5	50.5	60
								E10	8	1	22.2	58.8	60
								E15	11.9	2	33	72.3	80
								E20	15.9	2	44.1	86.2	90
								E30	22.2	2	61.6	108.1	110
	230-3-60	16.5	110	25.8	2.8	7.6	0	NONE	-	-	-	31	40
								E05	5.3	1	12.7	47	60
								E07	7.5	1	18	53.6	60
								E10	10.6	1	25.5	62.9	70
								E15	15.9	2	38.2	78.8	80
								E20	21.2	2	51	94.8	100
								E30	29.6	2	71.2	120	125

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XP036-060, XA-03 thru -05 & J03 thru 05XA (Belt Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XP036 XA-03 J03XP (3.0)	208-3-60	13.2	88	20.6	1.3	5.2	0	NONE	-	-	-	23	30
								E05	4	1	11.1	36.9	45
								E07	5.6	1	15.5	42.4	50
								E10	8	1	22.2	50.8	60
								E15	11.9	2	33	64.3	70
								E20	15.9	2	44.1	78.2	80
	230-3-60	13.2	88	20.6	1.3	5.2	0	NONE	-	-	-	23	30
								E05	5.3	1	12.7	38.9	45
								E07	7.5	1	18	45.6	50
								E10	10.6	1	25.5	54.9	60
								E15	15.9	2	38.2	70.8	80
								E20	21.2	2	51	86.7	90
	460-3-60	6	44	9.3	0.8	2.6	0	NONE	-	-	-	10.9	15
								E07	6.8	1	8.2	21.1	25
								E10	10.1	1	12.1	26.1	30
								E15	13.6	2	16.4	31.3	35
								E20	19.5	2	23.5	40.2	45
								NONE	-	-	-	7.9	15
	575-3-60	4.2	30	6.5	0.8	2	0	E10	10.6	1	10.2	20.6	25
								E15	15.9	2	15.3	27	30
								E20	21.2	2	20.4	33.4	35
								NONE	-	-	-	7.9	15
XP048 XA-04 J04XP (4.0)	208-3-60	13.1	83.1	20.5	1.3	5.2	0	NONE	-	-	-	22.9	30
								E05	4	1	11.1	36.8	45
								E07	5.6	1	15.5	42.3	50
								E10	8	1	22.2	50.6	60
								E15	11.9	2	33	64.2	70
								E20	15.9	2	44.1	78	80
	230-3-60	13.1	83.1	20.5	1.3	5.2	0	NONE	-	-	-	22.9	30
								E05	5.3	1	12.7	38.8	45
								E07	7.5	1	18	45.4	50
								E10	10.6	1	25.5	54.7	60
								E15	15.9	2	38.2	70.7	80
								E20	21.2	2	51	86.6	90
	460-3-60	6.1	41	9.5	0.8	2.6	0	NONE	-	-	-	11	15
								E07	6.8	1	8.2	21.2	25
								E10	10.1	1	12.1	26.2	30
								E15	13.6	2	16.4	31.5	35
								E20	19.5	2	23.5	40.3	45
								NONE	-	-	-	8.1	15
	575-3-60	4.4	33	6.8	0.8	2	0	E10	10.6	1	10.2	20.9	25
								E15	15.9	2	15.3	27.3	30
								E20	21.2	2	20.4	33.6	35
								NONE	-	-	-	8.1	15

XP036-060, XA-03 thru -05 & J03 thru 05XA (Belt Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
XP060 XA-05 J05XP (5.0)	208-3-60	15.6	110	24.4	2.3	5.2	0	NONE	-	-	-	27	35
								E05	4	1	11.1	40.9	50
								E07	5.6	1	15.5	46.4	50
								E10	8	1	22.2	54.8	60
								E15	11.9	2	33	68.3	70
								E20	15.9	2	44.1	82.2	90
								E30	22.2	2	61.6	104	110
	230-3-60	15.6	110	24.4	2.3	5.2	0	NONE	-	-	-	27	35
								E05	5.3	1	12.7	42.9	50
								E07	7.5	1	18	49.6	60
								E10	10.6	1	25.5	58.9	60
								E15	15.9	2	38.2	74.8	80
								E20	21.2	2	51	90.7	100
								E30	29.6	2	71.2	116	125
	460-3-60	7.8	52	12.1	1.3	2.6	0	NONE	-	-	-	13.6	20
								E07	6.8	1	8.2	23.9	25
								E10	10.1	1	12.1	28.8	30
								E15	13.6	2	16.4	34.1	35
								E20	19.5	2	23.5	43	45
								E30	28.8	2	34.6	57	60
								NONE	-	-	-	10.3	15
	575-3-60	5.8	38.9	9.1	1.3	2	0	E10	10.6	1	10.2	23	25
								E15	15.9	2	15.3	29.4	30
								E20	21.2	2	20.4	35.8	40
								E30	30.4	2	29.3	46.9	50

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XP036-060, XA-03 thru -05 & J03 thru 05XA (Belt Drive High Static)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XP036 XA-03 J03XP (3.0)	208-3-60	13.2	88	20.6	1.3	5.2	0	NONE	-	-	-	23	30
								E05	4	1	11.1	36.9	45
								E07	5.6	1	15.5	42.4	50
								E10	8	1	22.2	50.8	60
								E15	11.9	2	33	64.3	70
								E20	15.9	2	44.1	78.2	80
	230-3-60	13.2	88	20.6	1.3	5.2	0	NONE	-	-	-	23	30
								E05	5.3	1	12.7	38.9	45
								E07	7.5	1	18	45.6	50
								E10	10.6	1	25.5	54.9	60
								E15	15.9	2	38.2	70.8	80
								E20	21.2	2	51	86.7	90
	460-3-60	6	44	9.3	0.8	2.6	0	NONE	-	-	-	10.9	15
								E07	6.8	1	8.2	21.1	25
								E10	10.1	1	12.1	26.1	30
								E15	13.6	2	16.4	31.3	35
								E20	19.5	2	23.5	40.2	45
								NONE	-	-	-	7.9	15
	575-3-60	4.2	30	6.5	0.8	2	0	E10	10.6	1	10.2	20.6	25
								E15	15.9	2	15.3	27	30
								E20	21.2	2	20.4	33.4	35
XP048 XA-04 J04XP (4.0)	208-3-60	13.1	83.1	20.5	1.3	5.2	0	NONE	-	-	-	22.9	30
								E05	4	1	11.1	36.8	45
								E07	5.6	1	15.5	42.3	50
								E10	8	1	22.2	50.6	60
								E15	11.9	2	33	64.2	70
								E20	15.9	2	44.1	78	80
	230-3-60	13.1	83.1	20.5	1.3	5.2	0	NONE	-	-	-	22.9	30
								E05	5.3	1	12.7	38.8	45
								E07	7.5	1	18	45.4	50
								E10	10.6	1	25.5	54.7	60
								E15	15.9	2	38.2	70.7	80
								E20	21.2	2	51	86.6	90
	460-3-60	6.1	41	9.5	0.8	2.6	0	NONE	-	-	-	11	15
								E07	6.8	1	8.2	21.2	25
								E10	10.1	1	12.1	26.2	30
								E15	13.6	2	16.4	31.5	35
								E20	19.5	2	23.5	40.3	45
								NONE	-	-	-	8.1	15
	575-3-60	4.4	33	6.8	0.8	2	0	E10	10.6	1	10.2	20.9	25
								E15	15.9	2	15.3	27.3	30
								E20	21.2	2	20.4	33.6	35

XP036-060, XA-03 thru -05 & J03 thru 05XA (Belt Drive High Static) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XP060 XA-05 J05XP (5.0)	208-3-60	15.6	110	24.4	2.3	6.8	0	NONE	-	-	-	28.6	35
								E05	4	1	11.1	42.5	50
								E07	5.6	1	15.5	48	50
								E10	8	1	22.2	56.4	60
								E15	11.9	2	33	69.9	70
								E20	15.9	2	44.1	83.8	90
	230-3-60	15.6	110	24.4	2.3	6.8	0	E30	22.2	2	61.6	105.6	110
								NONE	-	-	-	28.6	35
								E05	5.3	1	12.7	44.5	50
								E07	7.5	1	18	51.2	60
								E10	10.6	1	25.5	60.5	70
								E15	15.9	2	38.2	76.4	80
	460-3-60	7.8	52	12.1	1.3	3.4	0	E20	21.2	2	51	92.3	100
								E30	29.6	2	71.2	117.6	125
								NONE	-	-	-	14.5	20
								E07	6.8	1	8.2	24.7	30
								E10	10.1	1	12.1	29.6	30
								E15	13.6	2	16.4	34.9	35
	575-3-60	5.8	38.9	9.1	1.3	2.4	0	E20	19.5	2	23.5	43.8	45
								E30	28.8	2	34.6	57.8	60
								NONE	-	-	-	10.7	15
								E10	10.6	1	10.2	23.4	25
								E15	15.9	2	15.3	29.8	30
								E20	21.2	2	20.4	36.2	40
								E30	30.4	2	29.3	47.3	50

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XP036-060, XA-03 thru -05 & J03 thru 05XA (Direct Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
XP036 XA-03 J03XP (3.0)	208-3-60	13.2	88	20.6	1.3	6	0.0	None	-	-	-	23.8	30
								E05	4.0	1	11.1	37.7	45
								E07	5.6	1	15.5	43.2	50
								E10	8.0	1	22.2	51.6	60
								E15	11.9	2	33.0	65.1	70
	230-3-60	13.2	88	20.6	1.3	6	0.0	E20	15.9	2	44.1	79.0	80
								None	-	-	-	23.8	30
								E05	5.3	1	12.7	39.7	45
								E07	7.5	1	18.0	46.4	50
								E10	10.6	1	25.5	55.7	60
XP048 XA-04 J04XP (4.0)	208-3-60	13.1	83.1	20.5	1.3	7.6	0.0	E15	15.9	2	38.2	71.6	80
								E20	21.2	2	51.0	87.5	90
								None	-	-	-	25.3	35
								E05	4.0	1	11.1	39.2	45
								E07	5.6	1	15.5	44.7	50
	230-3-60	13.1	83.1	20.5	1.3	7.6	0.0	E10	8.0	1	22.2	53.0	60
								E15	11.9	2	33.0	66.6	70
								E20	15.9	2	44.1	80.4	90
								None	-	-	-	25.3	35
								E05	5.3	1	12.7	41.2	50
XP060 XA-05 J05XP (5.0)	208-3-60	15.6	110	24.4	2.3	7.6	0.0	E07	7.5	1	18.0	47.8	50
								E10	10.6	1	25.5	57.1	60
								E15	15.9	2	38.2	73.1	80
								E20	21.2	2	51.0	89.0	90
								E30	22.2	2	61.6	106.4	110
	230-3-60	15.6	110	24.4	2.3	7.6	0.0	None	-	-	-	29.4	40
								E05	5.3	1	12.7	45.3	50
								E07	7.5	1	18.0	52.0	60
								E10	10.6	1	25.5	61.3	70
								E15	15.9	2	38.2	77.2	80
								E20	21.2	2	51.0	93.1	100
								E30	29.6	2	71.2	118.4	125

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

Table 4: Electrical Data With Powered Convenience Outlet**ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Belt Drive)**

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Conv Outlet FLA	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ^{2/} Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZE036 ZD-03 J03ZE (3.0)	208-1-60	15.4	83.9	24	2.3	6.7	10	NONE	-	-	-	38.3	50
								E05	4	1	19.2	44.9	50
								E07	5.6	1	26.9	54.5	60
								E10	8	1	38.5	69	70
								E15	11.9	2	57.2	92.4	100
								E20	15.9	2	76.4	116.4	125
	230-1-60	15.4	83.9	24	2.3	6.7	10	NONE	-	-	-	38.3	50
								E05	5.3	1	22.1	48.5	50
								E07	7.5	1	31.2	59.9	60
								E10	10.6	1	44.2	76.1	80
								E15	15.9	2	66.2	103.7	110
								E20	21.2	2	88.3	131.3	150
	208-3-60	10.4	73	16.3	2.3	4.3	10	NONE	-	-	-	29.6	40
								E05	4	1	11.1	31.8	40
								E07	5.6	1	15.5	37.3	40
								E10	8	1	22.2	45.6	50
								E15	11.9	2	33	59.2	60
								E20	15.9	2	44.1	73	80
	230-3-60	10.4	73	16.3	2.3	4.3	10	NONE	-	-	-	29.6	40
								E05	5.3	1	12.7	33.8	40
								E07	7.5	1	18	40.4	45
								E10	10.6	1	25.5	49.7	50
								E15	15.9	2	38.2	65.7	70
								E20	21.2	2	51	81.6	90
	460-3-60	5.8	38	9	1.3	2.1	5	NONE	-	-	-	15.6	20
								E07	6.8	1	8.2	19.1	20
								E10	10.1	1	12.1	24.1	25
								E15	13.6	2	16.4	29.3	30
	575-3-60	4.2	36.5	5.9	1.3	1.9	4	E20	19.5	2	23.5	38.2	40
								NONE	-	-	-	12.2	15
								E10	10.6	1	10.2	20.1	25
								E15	15.9	2	15.3	26.5	30
ZE048 ZD-04 J04ZE (4.0)	208-1-60	19.6	130	30.5	2.3	6.7	10	E20	21.2	2	20.4	32.9	35
								NONE	-	-	-	43.5	60
								E05	4	1	19.2	44.9	60
								E07	5.6	1	26.9	54.5	60
								E10	8	1	38.5	69	70
								E15	11.9	2	57.2	92.4	100
	230-1-60	19.6	130	30.5	2.3	6.7	10	E20	15.9	2	76.4	116.4	125
								NONE	-	-	-	43.5	60
								E05	5.3	1	22.1	48.5	60
								E07	7.5	1	31.2	59.9	60
								E10	10.6	1	44.2	76.1	80
								E15	15.9	2	66.2	103.7	110
	208-3-60	13.7	83.1	21.4	2.3	4.3	10	E20	21.2	2	88.3	131.3	150
								NONE	-	-	-	33.7	45
								E05	4	1	11.1	33.7	45
								E07	5.6	1	15.5	37.3	45
								E10	8	1	22.2	45.6	50
								E15	11.9	2	33	59.2	60
	230-3-60	13.7	83.1	21.4	2.3	4.3	10	E20	15.9	2	44.1	73	80
								NONE	-	-	-	33.7	45
								E05	5.3	1	12.7	33.8	45
								E07	7.5	1	18	40.4	45
								E10	10.6	1	25.5	49.7	50
								E15	15.9	2	38.2	65.7	70
	460-3-60	6.2	41	9.7	1.3	2.1	5	E20	21.2	2	51	81.6	90
								NONE	-	-	-	16.1	20
								E07	6.8	1	8.2	19.1	20
								E10	10.1	1	12.1	24.1	25
	575-3-60	4.8	33	7.5	1.3	1.9	4	E15	13.6	2	16.4	29.3	30
								E20	19.5	2	23.5	38.2	40
								NONE	-	-	-	12.9	15
								E10	10.6	1	10.2	20.1	25
								E15	15.9	2	15.3	26.5	30
								E20	21.2	2	20.4	32.9	35

ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Belt Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Conv Outlet FLA	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ^{2/} Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZE060 ZD-05 J05ZE (5.0)	208-1-60	24.4	144.2	38	4.4	6.7	10	NONE	-	-	-	51.6	70
								E05	4	1	19.2	51.6	70
								E07	5.6	1	26.9	54.5	70
								E10	8	1	38.5	69	70
								E15	11.9	2	57.2	92.4	100
								E20	15.9	2	76.4	116.4	125
								E30	22.2	2	106.7	154.3	175
	230-1-60	24.4	144.2	38	4.4	6.7	10	NONE	-	-	-	51.6	70
								E05	5.3	1	22.1	51.6	70
								E07	7.5	1	31.2	59.9	70
								E10	10.6	1	44.2	76.1	80
								E15	15.9	2	66.2	103.7	110
								E20	21.2	2	88.3	131.3	150
								E30	29.6	2	123.3	175	200
	208-3-60	16	110	24.9	4.4	4.3	10	NONE	-	-	-	38.7	50
								E05	4	1	11.1	38.7	50
								E07	5.6	1	15.5	38.7	50
								E10	8	1	22.2	45.6	50
								E15	11.9	2	33	59.2	60
								E20	15.9	2	44.1	73	80
								E30	22.2	2	61.6	94.9	100
	230-3-60	16	110	24.9	4.4	4.3	10	NONE	-	-	-	38.7	50
								E05	5.3	1	12.7	38.7	50
								E07	7.5	1	18	40.4	50
								E10	10.6	1	25.5	49.7	50
								E15	15.9	2	38.2	65.7	70
								E20	21.2	2	51	81.6	90
								E30	29.6	2	71.2	106.9	110
	460-3-60	7.8	52	12.1	4.4	2.1	5	NONE	-	-	-	19	25
								E07	6.8	1	8.2	19.1	25
								E10	10.1	1	12.1	24.1	25
								E15	13.6	2	16.4	29.3	30
								E20	19.5	2	23.5	38.2	40
								E30	28.8	2	34.6	52.2	60
	575-3-60	5.7	38.9	8.9	4.4	1.9	4	NONE	-	-	-	14.8	15
								E10	10.6	1	10.2	20.1	25
								E15	15.9	2	15.3	26.5	30
								E20	21.2	2	20.4	32.9	35
								E30	30.4	2	29.3	43.9	45

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Belt Drive High Static)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZE036 ZD-03 J03ZE (3.0)	208-1-60	15.4	83.9	24	2.3	6.7	10	NONE	-	-	-	38.3	50
								E05	4	1	19.2	44.9	50
								E07	5.6	1	26.9	54.5	60
								E10	8	1	38.5	69	70
								E15	11.9	2	57.2	92.4	100
								E20	15.9	2	76.4	116.4	125
	230-1-60	15.4	83.9	24	2.3	6.7	10	NONE	-	-	-	38.3	50
								E05	5.3	1	22.1	48.5	50
								E07	7.5	1	31.2	59.9	60
								E10	10.6	1	44.2	76.1	80
								E15	15.9	2	66.2	103.7	110
								E20	21.2	2	88.3	131.3	150
	208-3-60	10.4	73	16.3	2.3	4.3	10	NONE	-	-	-	29.6	40
								E05	4	1	11.1	31.8	40
								E07	5.6	1	15.5	37.3	40
								E10	8	1	22.2	45.6	50
								E15	11.9	2	33	59.2	60
								E20	15.9	2	44.1	73	80
	230-3-60	10.4	73	16.3	2.3	4.3	10	NONE	-	-	-	29.6	40
								E05	5.3	1	12.7	33.8	40
								E07	7.5	1	18	40.4	45
								E10	10.6	1	25.5	49.7	50
								E15	15.9	2	38.2	65.7	70
								E20	21.2	2	51	81.6	90
	460-3-60	5.8	38	9	1.3	2.1	5	NONE	-	-	-	15.6	20
								E07	6.8	1	8.2	19.1	20
								E10	10.1	1	12.1	24.1	25
								E15	13.6	2	16.4	29.3	30
	575-3-60	4.2	36.5	5.9	1.3	1.9	4	NONE	-	-	-	12.2	15
								E10	10.6	1	10.2	20.1	25
								E15	15.9	2	15.3	26.5	30
								E20	21.2	2	20.4	32.9	35
ZE048 ZD-04 J04ZE (4.0)	208-1-60	19.6	130	30.5	2.3	6.7	10	NONE	-	-	-	43.5	60
								E05	4	1	19.2	44.9	60
								E07	5.6	1	26.9	54.5	60
								E10	8	1	38.5	69	70
								E15	11.9	2	57.2	92.4	100
								E20	15.9	2	76.4	116.4	125
	230-1-60	19.6	130	30.5	2.3	6.7	10	NONE	-	-	-	43.5	60
								E05	5.3	1	22.1	48.5	60
								E07	7.5	1	31.2	59.9	60
								E10	10.6	1	44.2	76.1	80
								E15	15.9	2	66.2	103.7	110
								E20	21.2	2	88.3	131.3	150
	208-3-60	13.7	83.1	21.4	2.3	4.3	10	NONE	-	-	-	33.7	45
								E05	4	1	11.1	33.7	45
								E07	5.6	1	15.5	37.3	45
								E10	8	1	22.2	45.6	50
								E15	11.9	2	33	59.2	60
								E20	15.9	2	44.1	73	80
	230-3-60	13.7	83.1	21.4	2.3	4.3	10	NONE	-	-	-	33.7	45
								E05	5.3	1	12.7	33.8	45
								E07	7.5	1	18	40.4	45
								E10	10.6	1	25.5	49.7	50
								E15	15.9	2	38.2	65.7	70
								E20	21.2	2	51	81.6	90
	460-3-60	6.2	41	9.7	1.3	2.1	5	NONE	-	-	-	16.1	20
								E07	6.8	1	8.2	19.1	20
								E10	10.1	1	12.1	24.1	25
								E15	13.6	2	16.4	29.3	30
	575-3-60	4.8	33	7.5	1.3	1.9	4	NONE	-	-	-	12.9	15
								E10	10.6	1	10.2	20.1	25
								E15	15.9	2	15.3	26.5	30
								E20	21.2	2	20.4	32.9	35

ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Belt Drive High Static) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Conv Outlet FLA	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ^{2/} Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZE060 ZD-05 J05ZE (5.0)	208-3-60	16	110	24.9	4.4	6.8	10	NONE	-	-	-	41.2	50
								E05	4	1	11.1	41.2	50
								E07	5.6	1	15.5	41.2	50
								E10	8	1	22.2	48.8	50
								E15	11.9	2	33	62.3	70
								E20	15.9	2	44.1	76.2	80
								E30	22.2	2	61.6	98	100
	230-3-60	16	110	24.9	4.4	6.8	10	NONE	-	-	-	41.2	50
								E05	5.3	1	12.7	41.2	50
								E07	7.5	1	18	43.6	50
								E10	10.6	1	25.5	52.9	60
								E15	15.9	2	38.2	68.8	70
								E20	21.2	2	51	84.7	90
	460-3-60	7.8	52	12.1	4.4	3.15	5	E30	29.6	2	71.2	110	125
								NONE	-	-	-	20.1	25
								E07	6.8	1	8.2	20.4	25
								E10	10.1	1	12.1	25.4	30
								E15	13.6	2	16.4	30.6	35
								E20	19.5	2	23.5	39.5	40
	575-3-60	5.7	38.9	8.9	4.4	2.2	4	E30	28.8	2	34.6	53.5	60
								NONE	-	-	-	15.1	20
								E10	10.6	1	10.2	20.5	25
								E15	15.9	2	15.3	26.9	30
								E20	21.2	2	20.4	33.2	35
								E30	30.4	2	29.3	44.3	45

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Direct Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZE036 ZD-03 J03ZE (3.0)	208-1-60	15.4	83.9	24	2.3	6	10	NONE	-	-	-	37.5	50
								E05	4	1	19.2	44	50
								E07	5.6	1	26.9	53.7	60
								E10	8	1	38.5	68.1	70
								E15	11.9	2	57.2	91.5	100
								E20	15.9	2	76.4	115.6	125
	230-1-60	15.4	83.9	24	2.3	6	10	NONE	-	-	-	37.5	50
								E05	5.3	1	22.1	47.6	50
								E07	7.5	1	31.2	59.1	60
								E10	10.6	1	44.2	75.2	80
								E15	15.9	2	66.2	102.8	110
								E20	21.2	2	88.3	130.4	150
	208-3-60	10.4	73	16.3	2.3	6	10	NONE	-	-	-	31.3	40
								E05	4	1	11.1	33.9	40
								E07	5.6	1	15.5	39.4	40
								E10	8	1	22.2	47.8	50
								E15	11.9	2	33	61.3	70
								E20	15.9	2	44.1	75.2	80
	230-3-60	10.4	73	16.3	2.3	6	10	NONE	-	-	-	31.3	40
								E05	5.3	1	12.7	35.9	40
								E07	7.5	1	18	42.6	45
								E10	10.6	1	25.5	51.9	60
								E15	15.9	2	38.2	67.8	70
								E20	21.2	2	51	83.7	90
ZE048 ZD-04 J04ZE (4.0)	208-1-60	19.6	130	30.5	2.3	7.6	10	NONE	-	-	-	44.4	60
								E05	4	1	19.2	46	60
								E07	5.6	1	26.9	55.7	60
								E10	8	1	38.5	70.1	80
								E15	11.9	2	57.2	93.5	100
								E20	15.9	2	76.4	117.6	125
	230-1-60	19.6	130	30.5	2.3	7.6	10	NONE	-	-	-	44.4	60
								E05	5.3	1	22.1	49.6	60
								E07	7.5	1	31.2	61.1	70
								E10	10.6	1	44.2	77.2	80
								E15	15.9	2	66.2	104.8	110
								E20	21.2	2	88.3	132.4	150
	208-3-60	13.7	83.1	21.4	2.3	7.6	10	NONE	-	-	-	37	45
								E05	4	1	11.1	37	45
								E07	5.6	1	15.5	41.4	50
								E10	8	1	22.2	49.8	50
								E15	11.9	2	33	63.3	70
								E20	15.9	2	44.1	77.2	80
	230-3-60	13.7	83.1	21.4	2.3	7.6	10	NONE	-	-	-	37	45
								E05	5.3	1	12.7	37.9	50
								E07	7.5	1	18	44.6	50
								E10	10.6	1	25.5	53.9	60
								E15	15.9	2	38.2	69.8	70
								E20	21.2	2	51	85.7	90

ZE036-060, ZD-03 thru -05 & J03 thru 05ZE (Direct Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
ZE060 ZD-05 J05ZE (5.0)	208-1-60	24.4	144.2	38	4.4	7.6	10	NONE	-	-	-	52.5	70
								E05	4	1	19.2	52.5	70
								E07	5.6	1	26.9	55.7	70
								E10	8	1	38.5	70.1	80
								E15	11.9	2	57.2	93.5	100
								E20	15.9	2	76.4	117.6	125
								E30	22.2	2	106.7	155.4	175
	230-1-60	24.4	144.2	38	4.4	7.6	10	NONE	-	-	-	52.5	70
								E05	5.3	1	22.1	52.5	70
								E07	7.5	1	31.2	61.1	70
								E10	10.6	1	44.2	77.2	80
								E15	15.9	2	66.2	104.8	110
								E20	21.2	2	88.3	132.4	150
								E30	29.6	2	123.3	176.2	200
	208-3-60	16	110	24.9	4.4	7.6	10	NONE	-	-	-	42	50
								E05	4	1	11.1	42	50
								E07	5.6	1	15.5	42	50
								E10	8	1	22.2	49.8	50
								E15	11.9	2	33	63.3	70
								E20	15.9	2	44.1	77.2	80
								E30	22.2	2	61.6	99	100
	230-3-60	16	110	24.9	4.4	7.6	10	NONE	-	-	-	42	50
								E05	5.3	1	12.7	42	50
								E07	7.5	1	18	44.6	50
								E10	10.6	1	25.5	53.9	60
								E15	15.9	2	38.2	69.8	70
								E20	21.2	2	51	85.7	90
								E30	29.6	2	71.2	111	125

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF036-060, ZS-03 thru -05 & J03 thru 05ZF (Belt Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF036 ZS-03 J03ZF (3.0)	208-3-60	9.1	68	14.2	2.3	5.2	10	NONE	-	-	-	29.1	35
								E05	4	1	11.1	32.9	35
								E07	5.6	1	15.5	38.4	40
								E10	8	1	22.2	46.8	50
								E15	11.9	2	33	60.3	70
								E20	15.9	2	44.1	74.2	80
	230-3-60	9.1	68	14.2	2.3	5.2	10	NONE	-	-	-	29.1	35
								E05	5.3	1	12.7	34.9	40
								E07	7.5	1	18	41.6	45
								E10	10.6	1	25.5	50.9	60
								E15	15.9	2	38.2	66.8	70
								E20	21.2	2	51	82.7	90
	460-3-60	4.5	34	7	1.3	2.6	5	NONE	-	-	-	14.6	15
								E07	6.8	1	8.2	19.7	20
								E10	10.1	1	12.1	24.7	25
								E15	13.6	2	16.4	29.9	30
								E20	19.5	2	23.5	38.8	40
								NONE	-	-	-	11.8	15
	575-3-60	3.8	28	6	1.3	2	4	E10	10.6	1	10.2	20.2	25
								E15	15.9	2	15.3	26.6	30
								E20	21.2	2	20.4	33	35
ZF048 ZS-04 J04ZF (4.0)	208-3-60	11.2	88	17.5	2.3	5.2	10	NONE	-	-	-	31.5	40
								E05	4	1	11.1	32.9	40
								E07	5.6	1	15.5	38.4	40
								E10	8	1	22.2	46.8	50
								E15	11.9	2	33	60.3	70
								E20	15.9	2	44.1	74.2	80
	230-3-60	11.2	88	17.5	2.3	5.2	10	NONE	-	-	-	31.5	40
								E05	5.3	1	12.7	34.9	40
								E07	7.5	1	18	41.6	45
								E10	10.6	1	25.5	50.9	60
								E15	15.9	2	38.2	66.8	70
								E20	21.2	2	51	82.7	90
	460-3-60	5.6	44	8	1.3	2.6	5	NONE	-	-	-	15.9	20
								E07	6.8	1	8.2	19.7	20
								E10	10.1	1	12.1	24.7	25
								E15	13.6	2	16.4	29.9	30
								E20	19.5	2	23.5	38.8	40
								NONE	-	-	-	12.7	15
	575-3-60	4.5	36	7	1.3	2	4	E10	10.6	1	10.2	20.2	25
								E15	15.9	2	15.3	26.6	30
								E20	21.2	2	20.4	33	35
ZF060 ZS-05 J05ZF (5.0)	208-3-60	14.1	88	22	2.3	5.2	10	NONE	-	-	-	35.1	45
								E05	4	1	11.1	35.1	45
								E07	5.6	1	15.5	38.4	45
								E10	8	1	22.2	46.8	50
								E15	11.9	2	33	60.3	70
								E20	15.9	2	44.1	74.2	80
	230-3-60	14.1	88	22	2.3	5.2	10	E30	22.2	2	61.6	96	100
								NONE	-	-	-	35.1	45
								E05	5.3	1	12.7	35.1	45
								E07	7.5	1	18	41.6	45
								E10	10.6	1	25.5	50.9	60
								E15	15.9	2	38.2	66.8	70
	460-3-60	7.7	55	12	1.3	2.6	5	E20	21.2	2	51	82.7	90
								E30	29.6	2	71.2	108	110
								NONE	-	-	-	18.5	25
								E07	6.8	1	8.2	19.7	25
								E10	10.1	1	12.1	24.7	25
								E15	13.6	2	16.4	29.9	30
575-3-60	5.1	36	7.5	1.3	2	4	4	E20	19.5	2	23.5	38.8	40
								E30	28.8	2	34.6	52.8	60
								NONE	-	-	-	13.4	15
								E10	10.6	1	10.2	20.2	25
								E15	15.9	2	15.3	26.6	30
								E20	21.2	2	20.4	33	35
								E30	30.4	2	29.3	44.1	45

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF072, ZS-A6 & JA6ZF (Belt Drive) Cooling With/Without Electric Heat

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF072 ZS-A6 JA6ZF (6.0)	208-3-60	19	123	29.7	4.4	5.2	10	NONE	-	-	-	43.3	60
								E05	4	1	11.1	43.3	60
								E07	5.6	1	15.5	43.3	60
								E10	8	1	22.2	46.8	60
								E15	11.9	2	33	60.3	70
								E20	15.9	2	44.1	74.2	80
								E30	22.2	2	61.6	96	100
	230-3-60	19	123	29.7	4.4	5.2	10	NONE	-	-	-	43.3	60
								E05	5.3	1	12.7	43.3	60
								E07	7.5	1	18	43.3	60
								E10	10.6	1	25.5	50.9	60
								E15	15.9	2	38.2	66.8	70
								E20	21.2	2	51	82.7	90
								E30	29.6	2	71.2	108	110
	460-3-60	9.7	62	15.2	4.4	2.6	5	NONE	-	-	-	21.9	30
								E07	6.8	1	8.2	21.9	30
								E10	10.1	1	12.1	24.7	30
								E15	13.6	2	16.4	29.9	30
								E20	19.5	2	23.5	38.8	40
								E30	28.8	2	34.6	52.8	60
								NONE	-	-	-	17	20
	575-3-60	7.4	50	11.6	4.4	2	4	E10	10.6	1	10.2	20.2	25
								E15	15.9	2	15.3	26.6	30
								E20	21.2	2	20.4	33	35
								E30	30.4	2	29.3	44.1	45
								NONE	-	-	-	17	20

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF036-060, ZS-03 thru -05 & J03 thru 05ZF (Belt Drive High Static)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF036 ZS-03 J03ZF (3.0)	208-3-60	9.1	68	14.2	2.3	5.2	10	NONE	-	-	-	29.1	35
								E05	4	1	11.1	32.9	35
								E07	5.6	1	15.5	38.4	40
								E10	8	1	22.2	46.8	50
								E15	11.9	2	33	60.3	70
								E20	15.9	2	44.1	74.2	80
	230-3-60	9.1	68	14.2	2.3	5.2	10	NONE	-	-	-	29.1	35
								E05	5.3	1	12.7	34.9	40
								E07	7.5	1	18	41.6	45
								E10	10.6	1	25.5	50.9	60
								E15	15.9	2	38.2	66.8	70
								E20	21.2	2	51	82.7	90
	460-3-60	4.5	34	7	1.3	2.6	5	NONE	-	-	-	14.6	15
								E07	6.8	1	8.2	19.7	20
								E10	10.1	1	12.1	24.7	25
								E15	13.6	2	16.4	29.9	30
								E20	19.5	2	23.5	38.8	40
								NONE	-	-	-	11.8	15
	575-3-60	3.8	28	6	1.3	2	4	E10	10.6	1	10.2	20.2	25
								E15	15.9	2	15.3	26.6	30
								E20	21.2	2	20.4	33	35
ZF048 ZS-04 J04ZF (4.0)	208-3-60	11.2	88	17.5	2.3	5.2	10	NONE	-	-	-	31.5	40
								E05	4	1	11.1	32.9	40
								E07	5.6	1	15.5	38.4	40
								E10	8	1	22.2	46.8	50
								E15	11.9	2	33	60.3	70
								E20	15.9	2	44.1	74.2	80
	230-3-60	11.2	88	17.5	2.3	5.2	10	NONE	-	-	-	31.5	40
								E05	5.3	1	12.7	34.9	40
								E07	7.5	1	18	41.6	45
								E10	10.6	1	25.5	50.9	60
								E15	15.9	2	38.2	66.8	70
								E20	21.2	2	51	82.7	90
	460-3-60	5.6	44	8	1.3	2.6	5	NONE	-	-	-	15.9	20
								E07	6.8	1	8.2	19.7	20
								E10	10.1	1	12.1	24.7	25
								E15	13.6	2	16.4	29.9	30
								E20	19.5	2	23.5	38.8	40
								NONE	-	-	-	12.7	15
	575-3-60	4.5	36	7	1.3	2	4	E10	10.6	1	10.2	20.2	25
								E15	15.9	2	15.3	26.6	30
								E20	21.2	2	20.4	33	35
ZF060 ZS-05 J05ZF (5.0)	208-3-60	14.1	88	22	2.3	6.8	10	NONE	-	-	-	36.7	45
								E05	4	1	11.1	36.7	45
								E07	5.6	1	15.5	40.4	50
								E10	8	1	22.2	48.8	50
								E15	11.9	2	33	62.3	70
								E20	15.9	2	44.1	76.2	80
	230-3-60	14.1	88	22	2.3	6.8	10	E30	22.2	2	61.6	98	100
								NONE	-	-	-	36.7	45
								E05	5.3	1	12.7	36.9	45
								E07	7.5	1	18	43.6	50
								E10	10.6	1	25.5	52.9	60
								E15	15.9	2	38.2	68.8	70
	460-3-60	7.7	55	12	1.3	3.4	5	E20	21.2	2	51	84.7	90
								E30	29.6	2	71.2	110	125
								NONE	-	-	-	19.3	25
								E07	6.8	1	8.2	20.7	25
								E10	10.1	1	12.1	25.7	30
								E15	13.6	2	16.4	30.9	35
575-3-60	5.1	36	7.5	1.3	2.4	4	4	E20	19.5	2	23.5	39.8	40
								E30	28.8	2	34.6	53.8	60
								NONE	-	-	-	13.8	15
								E10	10.6	1	10.2	20.7	25
								E15	15.9	2	15.3	27.1	30
								E20	21.2	2	20.4	33.5	35
								E30	30.4	2	29.3	44.6	45

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF072, ZS-A6 & JA6ZF (Belt Drive High Static) Cooling With/Without Electric Heat

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF072 ZS-A6 JA6ZF (6.0)	208-3-60	19	123	29.7	4.4	9.6	10	NONE	-	-	-	47.8	60
								E05	4	1	11.1	47.8	60
								E07	5.6	1	15.5	47.8	60
								E10	8	1	22.2	52.3	60
								E15	11.9	2	33	65.8	70
								E20	15.9	2	44.1	79.7	80
	230-3-60	19	123	29.7	4.4	9.6	10	E30	22.2	2	61.6	101.5	110
								NONE	-	-	-	47.8	60
								E05	5.3	1	12.7	47.8	60
								E07	7.5	1	18	47.8	60
								E10	10.6	1	25.5	56.4	60
								E15	15.9	2	38.2	72.3	80
	460-3-60	9.7	62	15.2	4.4	4.7	5	E20	21.2	2	51	88.2	90
								E30	29.6	2	71.2	113.5	125
								NONE	-	-	-	24	30
								E07	6.8	1	8.2	24	30
								E10	10.1	1	12.1	27.3	30
								E15	13.6	2	16.4	32.6	35
	575-3-60	7.4	50	11.6	4.4	3.6	4	E20	19.5	2	23.5	41.4	45
								E30	28.8	2	34.6	55.4	60
								NONE	-	-	-	18.6	20
								E10	10.6	1	10.2	22.2	25
								E15	15.9	2	15.3	28.6	30
								E20	21.2	2	20.4	35	35
								E30	30.4	2	29.3	46.1	50

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF036-060, ZS-03 thru -05 and J03 thru 05ZF (Direct Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF036 ZS-03 J03ZF (3.0)	208-3-60	9.1	68	14.2	2.3	6	10	NONE	-	-	-	29.9	35
								E05	4	1	11.1	33.9	35
								E07	5.6	1	15.5	39.4	40
								E10	8	1	22.2	47.8	50
								E15	11.9	2	33	61.3	70
								E20	15.9	2	44.1	75.2	80
	230-3-60	9.1	68	14.2	2.3	6	10	NONE	-	-	-	29.9	35
								E05	5.3	1	12.7	35.9	40
								E07	7.5	1	18	42.6	45
								E10	10.6	1	25.5	51.9	60
								E15	15.9	2	38.2	67.8	70
								E20	21.2	2	51	83.7	90
ZF048 ZS-04 J04ZF (4.0)	208-3-60	11.2	88	17.5	2.3	7.6	10	NONE	-	-	-	33.9	45
								E05	4	1	11.1	35.9	45
								E07	5.6	1	15.5	41.4	45
								E10	8	1	22.2	49.8	50
								E15	11.9	2	33	63.3	70
								E20	15.9	2	44.1	77.2	80
	230-3-60	11.2	88	17.5	2.3	7.6	10	NONE	-	-	-	33.9	45
								E05	5.3	1	12.7	37.9	45
								E07	7.5	1	18	44.6	45
								E10	10.6	1	25.5	53.9	60
								E15	15.9	2	38.2	69.8	70
								E20	21.2	2	51	85.7	90
ZF060 ZS-05 J05ZF (5.0)	208-3-60	14.1	88	22	2.3	7.6	10	NONE	-	-	-	37.5	50
								E05	4	1	11.1	37.5	50
								E07	5.6	1	15.5	41.4	50
								E10	8	1	22.2	49.8	50
								E15	11.9	2	33	63.3	70
								E20	15.9	2	44.1	77.2	80
	230-3-60	14.1	88	22	2.3	7.6	10	E30	22.2	2	61.6	99	100
								NONE	-	-	-	37.5	50
								E05	5.3	1	12.7	37.9	50
								E07	7.5	1	18	44.6	50
								E10	10.6	1	25.5	53.9	60
								E15	15.9	2	38.2	69.8	70
								E20	21.2	2	51	85.7	90
								E30	29.6	2	71.2	111	125

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZF072, ZS-A6 & JA6ZF (Direct Drive) Cooling With/Without Electric Heat

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZF072 ZS-A6 JA6ZF (6.0)	208-3-60	19	123	29.7	4.4	7.6	10	NONE	-	-	-	45.8	60
								E05	4	1	11.1	45.8	60
								E07	5.6	1	15.5	45.8	60
								E10	8	1	22.2	49.8	60
								E15	11.9	2	33	63.3	70
								E20	15.9	2	44.1	77.2	80
								E30	22.2	2	61.6	99	100
	230-3-60	19	123	29.7	4.4	7.6	10	NONE	-	-	-	45.8	60
								E05	5.3	1	12.7	45.8	60
								E07	7.5	1	18	45.8	60
								E10	10.6	1	25.5	53.9	60
								E15	15.9	2	38.2	69.8	70
								E20	21.2	2	51	85.7	90
								E30	29.6	2	71.2	111	125

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZR036-060, ZK-03 thru -05 & J03 thru 05ZR (Belt Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ^{2/} Breaker ³ Size (Amps)
		RLA	LRA	MCC				FLA	FLA	FLA	Model		
ZR036 ZK-03 J03ZR (3.0)	208-3-60	10.4	73	16.3	2.3	5.2	10	NONE	-	-	-	30.5	40
								E05	4	1	11.1	32.9	40
								E07	5.6	1	15.5	38.4	40
								E10	8	1	22.2	46.8	50
								E15	11.9	2	33	60.3	70
								E20	15.9	2	44.1	74.2	80
	230-3-60	10.4	73	16.3	2.3	5.2	10	NONE	-	-	-	30.5	40
								E05	5.3	1	12.7	34.9	40
								E07	7.5	1	18	41.6	45
								E10	10.6	1	25.5	50.9	60
								E15	15.9	2	38.2	66.8	70
								E20	21.2	2	51	82.7	90
	460-3-60	5.8	38	9	1.3	2.6	5	NONE	-	-	-	16.1	20
								E07	6.8	1	8.2	19.7	20
								E10	10.1	1	12.1	24.7	25
								E15	13.6	2	16.4	29.9	30
								E20	19.5	2	23.5	38.8	40
								NONE	-	-	-	11.8	15
	575-3-60	3.8	36.5	5.9	1.3	2	4	E10	10.6	1	10.2	20.2	25
								E15	15.9	2	15.3	26.6	30
								E20	21.2	2	20.4	33	35
NONE								-	-	-	34.6	45	
ZR048 ZK-04 J04ZR (4.0)	208-3-60	13.7	83.1	21.4	2.3	5.2	10	NONE	-	-	-	34.6	45
								E05	4	1	11.1	34.6	45
								E07	5.6	1	15.5	38.4	45
								E10	8	1	22.2	46.8	50
								E15	11.9	2	33	60.3	70
								E20	15.9	2	44.1	74.2	80
	230-3-60	13.7	83.1	21.4	2.3	5.2	10	NONE	-	-	-	34.6	45
								E05	5.3	1	12.7	34.9	45
								E07	7.5	1	18	41.6	45
								E10	10.6	1	25.5	50.9	60
								E15	15.9	2	38.2	66.8	70
								E20	21.2	2	51	82.7	90
	460-3-60	6.2	41	9.7	1.3	2.6	5	NONE	-	-	-	16.6	20
								E07	6.8	1	8.2	19.7	20
								E10	10.1	1	12.1	24.7	25
								E15	13.6	2	16.4	29.9	30
								E20	19.5	2	23.5	38.8	40
								NONE	-	-	-	13	15
	575-3-60	4.8	33	7.5	1.3	2	4	E10	10.6	1	10.2	20.2	25
								E15	15.9	2	15.3	26.6	30
								E20	21.2	2	20.4	33	35
NONE								-	-	-	37.5	50	
ZR060 ZK-05 J05ZR (5.0)	208-3-60	16	110	24.9	2.3	5.2	10	NONE	-	-	-	37.5	50
								E05	4	1	11.1	37.5	50
								E07	5.6	1	15.5	38.4	50
								E10	8	1	22.2	46.8	50
								E15	11.9	2	33	60.3	70
								E20	15.9	2	44.1	74.2	80
	230-3-60	16	110	24.9	2.3	5.2	10	E30	22.2	2	61.6	96	100
								NONE	-	-	-	37.5	50
								E05	5.3	1	12.7	37.5	50
								E07	7.5	1	18	41.6	50
								E10	10.6	1	25.5	50.9	60
								E15	15.9	2	38.2	66.8	70
	460-3-60	7.8	52	12.1	1.3	2.6	5	E20	21.2	2	51	82.7	90
								E30	29.6	2	71.2	108	110
								NONE	-	-	-	18.6	25
								E07	6.8	1	8.2	19.7	25
								E10	10.1	1	12.1	24.7	25
								E15	13.6	2	16.4	29.9	30
	575-3-60	5.7	38.9	8.9	1.3	2	4	E20	19.5	2	23.5	38.8	40
								E30	28.8	2	34.6	52.8	60
								NONE	-	-	-	14.2	15
E10								10.6	1	10.2	20.2	25	
E15								15.9	2	15.3	26.6	30	
E20								21.2	2	20.4	33	35	

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZR036-060, ZK-03 thru -05 & J03 thru 05ZR (Belt Drive High Static)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
ZR036 ZK-03 J03ZR (3.0)	208-3-60	10.4	73	16.3	2.3	5.2	10	NONE	-	-	-	30.5	40
								E05	4	1	11.1	32.9	40
								E07	5.6	1	15.5	38.4	40
								E10	8	1	22.2	46.8	50
								E15	11.9	2	33	60.3	70
								E20	15.9	2	44.1	74.2	80
	230-3-60	10.4	73	16.3	2.3	5.2	10	NONE	-	-	-	30.5	40
								E05	5.3	1	12.7	34.9	40
								E07	7.5	1	18	41.6	45
								E10	10.6	1	25.5	50.9	60
								E15	15.9	2	38.2	66.8	70
								E20	21.2	2	51	82.7	90
	460-3-60	5.8	38	9	1.3	2.6	5	NONE	-	-	-	16.1	20
								E07	6.8	1	8.2	19.7	20
								E10	10.1	1	12.1	24.7	25
								E15	13.6	2	16.4	29.9	30
								E20	19.5	2	23.5	38.8	40
								NONE	-	-	-	11.8	15
	575-3-60	3.8	36.5	5.9	1.3	2	4	E10	10.6	1	10.2	20.2	25
								E15	15.9	2	15.3	26.6	30
								E20	21.2	2	20.4	33	35
NONE								-	-	-	34.6	45	
ZR048 ZK-04 J04ZR (4.0)	208-3-60	13.7	83.1	21.4	2.3	5.2	10	E05	4	1	11.1	34.6	45
								E07	5.6	1	15.5	38.4	45
								E10	8	1	22.2	46.8	50
								E15	11.9	2	33	60.3	70
								E20	15.9	2	44.1	74.2	80
								NONE	-	-	-	34.6	45
	230-3-60	13.7	83.1	21.4	2.3	5.2	10	E05	5.3	1	12.7	34.9	45
								E07	7.5	1	18	41.6	45
								E10	10.6	1	25.5	50.9	60
								E15	15.9	2	38.2	66.8	70
								E20	21.2	2	51	82.7	90
								NONE	-	-	-	16.6	20
	460-3-60	6.2	41	9.7	1.3	2.6	5	E07	6.8	1	8.2	19.7	20
								E10	10.1	1	12.1	24.7	25
								E15	13.6	2	16.4	29.9	30
								E20	19.5	2	23.5	38.8	40
								NONE	-	-	-	13	15
								E10	10.6	1	10.2	20.2	25
	575-3-60	4.8	33	7.5	1.3	2	4	E15	15.9	2	15.3	26.6	30
								E20	21.2	2	20.4	33	35
								NONE	-	-	-	39.1	50
E05								4	1	11.1	39.1	50	
ZR060 ZK-05 J05ZR (5.0)	208-3-60	16	110	24.9	2.3	6.8	10	E07	5.6	1	15.5	40.4	50
								E10	8	1	22.2	48.8	50
								E15	11.9	2	33	62.3	70
								E20	15.9	2	44.1	76.2	80
								E30	22.2	2	61.6	98	100
								NONE	-	-	-	39.1	50
	230-3-60	16	110	24.9	2.3	6.8	10	E05	5.3	1	12.7	39.1	50
								E07	7.5	1	18	43.6	50
								E10	10.6	1	25.5	52.9	60
								E15	15.9	2	38.2	68.8	70
								E20	21.2	2	51	84.7	90
								E30	29.6	2	71.2	110	125
	460-3-60	7.8	52	12.1	1.3	3.4	5	NONE	-	-	-	19.5	25
								E07	6.8	1	8.2	20.7	25
								E10	10.1	1	12.1	25.7	30
								E15	13.6	2	16.4	30.9	35
								E20	19.5	2	23.5	39.8	40
								E30	28.8	2	34.6	53.8	60
								NONE	-	-	-	14.6	20
								E10	10.6	1	10.2	20.7	25
	575-3-60	5.7	38.9	8.9	1.3	2.4	4	E15	15.9	2	15.3	27.1	30
E20								21.2	2	20.4	33.5	35	
E30								30.4	2	29.3	44.6	45	
NONE								-	-	-	14.6	20	

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

ZR036-060, ZK-03 thru -05 & J03 thru 05ZR (Direct Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Conv Outlet FLA	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
ZR036 ZK-03 J03ZR (3.0)	208-3-60	10.4	73	16.3	2.3	6	10	NONE	-	-	-	31.3	40
								E05	4	1	11.1	33.9	40
								E07	5.6	1	15.5	39.4	40
								E10	8	1	22.2	47.8	50
								E15	11.9	2	33	61.3	70
								E20	15.9	2	44.1	75.2	80
	230-3-60	10.4	73	16.3	2.3	6	10	NONE	-	-	-	31.3	40
								E05	5.3	1	12.7	35.9	40
								E07	7.5	1	18	42.6	45
								E10	10.6	1	25.5	51.9	60
								E15	15.9	2	38.2	67.8	70
								E20	21.2	2	51	83.7	90
ZR048 ZK-04 J04ZR (4.0)	208-3-60	13.7	83.1	21.4	2.3	7.6	10	NONE	-	-	-	37	45
								E05	4	1	11.1	37	45
								E07	5.6	1	15.5	41.4	50
								E10	8	1	22.2	49.8	50
								E15	11.9	2	33	63.3	70
								E20	15.9	2	44.1	77.2	80
	230-3-60	13.7	83.1	21.4	2.3	7.6	10	NONE	-	-	-	37	45
								E05	5.3	1	12.7	37.9	50
								E07	7.5	1	18	44.6	50
								E10	10.6	1	25.5	53.9	60
								E15	15.9	2	38.2	69.8	70
								E20	21.2	2	51	85.7	90
ZR060 ZK-05 J05ZR (5.0)	208-3-60	16	110	24.9	2.3	7.6	10	NONE	-	-	-	39.9	50
								E05	4	1	11.1	39.9	50
								E07	5.6	1	15.5	41.4	50
								E10	8	1	22.2	49.8	50
								E15	11.9	2	33	63.3	70
								E20	15.9	2	44.1	77.2	80
	230-3-60	16	110	24.9	2.3	7.6	10	E30	22.2	2	61.6	99	100
								NONE	-	-	-	39.9	50
								E05	5.3	1	12.7	39.9	50
								E07	7.5	1	18	44.6	50
								E10	10.6	1	25.5	53.9	60
								E15	15.9	2	38.2	69.8	70
								E20	21.2	2	51	85.7	90
								E30	29.6	2	71.2	111	125

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XN036-060, XT-03 thru -05 & J03 thru 05XN (Belt Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
XN036 XT-03 J03XN (3.0)	208-1-60	16.7	109	26	1.3	6.7	10	NONE	-	-	-	38.9	50
								E05	4	1	19.2	62.9	70
								E07	5.6	1	26.9	72.5	80
								E10	8	1	38.5	87	90
								E15	11.9	2	57.2	110.4	125
								E20	15.9	2	76.4	134.4	150
	230-1-60	16.7	109	26	1.3	6.7	10	NONE	-	-	-	38.9	50
								E05	5.3	1	22.1	66.5	70
								E07	7.5	1	31.2	77.9	80
								E10	10.6	1	44.2	94.1	100
								E15	15.9	2	66.2	121.7	125
								E20	21.2	2	88.3	149.3	150
	208-3-60	11.2	88	17.5	1.3	4.3	10	NONE	-	-	-	29.6	40
								E05	4	1	11.1	43.5	50
								E07	5.6	1	15.5	49	50
								E10	8	1	22.2	57.4	60
								E15	11.9	2	33	70.9	80
								E20	15.9	2	44.1	84.8	90
	230-3-60	11.2	88	17.5	1.3	4.3	10	NONE	-	-	-	29.6	40
								E05	5.3	1	12.7	45.5	50
								E07	7.5	1	18	52.2	60
								E10	10.6	1	25.5	61.5	70
								E15	15.9	2	38.2	77.4	80
								E20	21.2	2	51	93.3	100
	460-3-60	5.5	43.2	7.7	0.8	2.1	5	NONE	-	-	-	14.8	20
								E07	6.8	1	8.2	25	25
								E10	10.1	1	12.1	30	30
								E15	13.6	2	16.4	35.2	40
								E20	19.5	2	23.5	44.1	45
	575-3-60	3.8	34	6	0.8	1.9	4	NONE	-	-	-	11.3	15
								E10	10.6	1	10.2	24.1	25
								E15	15.9	2	15.3	30.5	35
								E20	21.2	2	20.4	36.8	40

XN036-060, XT-03 thru -05 & J03 thru 05XN (Belt Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
XN048 XT-04 J04XN (4.0)	208-1-60	19.6	130	30.5	2.8	6.7	10	NONE	-	-	-	44	60
								E05	4	1	19.2	68	80
								E07	5.6	1	26.9	77.7	90
								E10	8	1	38.5	92.1	100
								E15	11.9	2	57.2	115.5	125
								E20	15.9	2	76.4	139.6	150
	230-1-60	19.6	130	30.5	2.8	6.7	10	NONE	-	-	-	44	60
								E05	5.3	1	22.1	71.6	80
								E07	7.5	1	31.2	83.1	90
								E10	10.6	1	44.2	99.2	100
								E15	15.9	2	66.2	126.8	150
								E20	21.2	2	88.3	154.4	175
	208-3-60	13.7	83.1	21.4	2.8	4.3	10	NONE	-	-	-	34.2	45
								E05	4	1	11.1	48.1	50
								E07	5.6	1	15.5	53.7	60
								E10	8	1	22.2	62	70
								E15	11.9	2	33	75.5	80
								E20	15.9	2	44.1	89.4	90
	230-3-60	13.7	83.1	21.4	2.8	4.3	10	NONE	-	-	-	34.2	45
								E05	5.3	1	12.7	50.2	60
								E07	7.5	1	18	56.8	60
								E10	10.6	1	25.5	66.1	70
								E15	15.9	2	38.2	82	90
								E20	21.2	2	51	98	100
	460-3-60	6.2	41	9.7	2.8	2.1	5	NONE	-	-	-	16.3	20
								E07	6.8	1	8.2	26.5	30
								E10	10.1	1	12.1	31.4	35
								E15	13.6	2	16.4	36.7	40
								E20	19.5	2	23.5	45.6	50
	575-3-60	4.8	33	7.5	2.8	1.9	4	NONE	-	-	-	13	15
								E10	10.6	1	10.2	25.8	30
								E15	15.9	2	15.3	32.1	35
								E20	21.2	2	20.4	38.5	40

XN036-060, XT-03 thru -05 & J03 thru 05XN (Belt Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XN060 XT-05 J05XN (5.0)	208-1-60	27.1	152.9	42.3	2.8	4.3	10	NONE	-	-	-	51	70
								E05	4	1	19.2	75	90
								E07	5.6	1	26.9	84.6	100
								E10	8	1	38.5	99.1	110
								E15	11.9	2	57.2	122.5	125
								E20	15.9	2	76.4	146.5	150
	230-1-60	27.1	152.9	42.3	2.8	4.3	10	E30	22.2	2	106.7	184.4	200
								NONE	-	-	-	51	70
								E05	5.3	1	22.1	78.6	100
								E07	7.5	1	31.2	90	100
								E10	10.6	1	44.2	106.2	110
								E15	15.9	2	66.2	133.8	150
	208-3-60	16.5	110	25.8	2.8	4.3	10	E20	21.2	2	88.3	161.4	175
								E30	29.6	2	123.3	205.1	225
								NONE	-	-	-	37.7	50
								E05	4	1	11.1	51.6	60
								E07	5.6	1	15.5	57.2	60
								E10	8	1	22.2	65.5	70
	230-3-60	16.5	110	25.8	2.8	4.3	10	E15	11.9	2	33	79	80
								E20	15.9	2	44.1	92.9	100
								E30	22.2	2	61.6	114.8	125
								NONE	-	-	-	37.7	50
								E05	5.3	1	12.7	53.7	60
								E07	7.5	1	18	60.3	70
XN060 XT-05 J05XN (5.0)	460-3-60	7.2	52	11.3	2.8	2.1	5	E10	10.6	1	25.5	69.6	70
								E15	15.9	2	38.2	85.5	90
								E20	21.2	2	51	101.5	110
								E30	29.6	2	71.2	126.7	150
								NONE	-	-	-	17.5	20
								E07	6.8	1	8.2	27.7	30
	575-3-60	5.5	38.9	8.6	2.8	1.9	4	E10	10.1	1	12.1	32.7	35
								E15	13.6	2	16.4	37.9	40
								E20	19.5	2	23.5	46.8	50
								E30	28.8	2	34.6	60.8	70
								NONE	-	-	-	13.9	15
								E10	10.6	1	10.2	26.6	30
								E15	15.9	2	15.3	33	35
								E20	21.2	2	20.4	39.4	40
								E30	30.4	2	29.3	50.5	60

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XN036-060, XT-03 thru -05 & J03 thru 05XN (Belt Drive High Static)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
XN036 XT-03 J03XN (3.0)	208-1-60	16.7	109	26	1.3	6.7	10	NONE	-	-	-	38.9	50
								E05	4	1	19.2	62.9	70
								E07	5.6	1	26.9	72.5	80
								E10	8	1	38.5	87	90
								E15	11.9	2	57.2	110.4	125
								E20	15.9	2	76.4	134.4	150
	230-1-60	16.7	109	26	1.3	6.7	10	NONE	-	-	-	38.9	50
								E05	5.3	1	22.1	66.5	70
								E07	7.5	1	31.2	77.9	80
								E10	10.6	1	44.2	94.1	100
								E15	15.9	2	66.2	121.7	125
								E20	21.2	2	88.3	149.3	150
	208-3-60	11.2	88	17.5	1.3	4.3	10	NONE	-	-	-	29.6	40
								E05	4	1	11.1	43.5	50
								E07	5.6	1	15.5	49	50
								E10	8	1	22.2	57.4	60
								E15	11.9	2	33	70.9	80
								E20	15.9	2	44.1	84.8	90
	230-3-60	11.2	88	17.5	1.3	4.3	10	NONE	-	-	-	29.6	40
								E05	5.3	1	12.7	45.5	50
								E07	7.5	1	18	52.2	60
								E10	10.6	1	25.5	61.5	70
								E15	15.9	2	38.2	77.4	80
								E20	21.2	2	51	93.3	100
	460-3-60	5.5	43.2	7.7	0.8	2.1	5	NONE	-	-	-	14.8	20
								E07	6.8	1	8.2	25	25
								E10	10.1	1	12.1	30	30
								E15	13.6	2	16.4	35.2	40
								E20	19.5	2	23.5	44.1	45
	575-3-60	3.8	34	6	0.8	1.9	4	NONE	-	-	-	11.3	15
								E10	10.6	1	10.2	24.1	25
								E15	15.9	2	15.3	30.5	35
								E20	21.2	2	20.4	36.8	40

XN036-060, XT-03 thru -05 & J03 thru 05XN (Belt Drive High Static) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ^{2/} Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XN048 XT-04 J04XN (4.0)	208-1-60	19.6	130	30.5	2.8	6.7	10	NONE	-	-	-	44	60
								E05	4	1	19.2	68	80
								E07	5.6	1	26.9	77.7	90
								E10	8	1	38.5	92.1	100
								E15	11.9	2	57.2	115.5	125
								E20	15.9	2	76.4	139.6	150
	230-1-60	19.6	130	30.5	2.8	6.7	10	NONE	-	-	-	44	60
								E05	5.3	1	22.1	71.6	80
								E07	7.5	1	31.2	83.1	90
								E10	10.6	1	44.2	99.2	100
								E15	15.9	2	66.2	126.8	150
								E20	21.2	2	88.3	154.4	175
	208-3-60	13.7	83.1	21.4	2.8	4.3	10	NONE	-	-	-	34.2	45
								E05	4	1	11.1	48.1	50
								E07	5.6	1	15.5	53.7	60
								E10	8	1	22.2	62	70
								E15	11.9	2	33	75.5	80
								E20	15.9	2	44.1	89.4	90
	230-3-60	13.7	83.1	21.4	2.8	4.3	10	NONE	-	-	-	34.2	45
								E05	5.3	1	12.7	50.2	60
								E07	7.5	1	18	56.8	60
								E10	10.6	1	25.5	66.1	70
								E15	15.9	2	38.2	82	90
								E20	21.2	2	51	98	100
	460-3-60	6.2	41	9.7	2.8	2.1	5	NONE	-	-	-	16.3	20
								E07	6.8	1	8.2	26.5	30
								E10	10.1	1	12.1	31.4	35
								E15	13.6	2	16.4	36.7	40
								E20	19.5	2	23.5	45.6	50
	575-3-60	4.8	33	7.5	2.8	1.9	4	NONE	-	-	-	13	15
								E10	10.6	1	10.2	25.8	30
								E15	15.9	2	15.3	32.1	35
								E20	21.2	2	20.4	38.5	40
XN060 XT-05 J05XN (5.0)	208-3-60	16.5	110	25.8	2.8	6.8	10	NONE	-	-	-	40.2	50
								E05	4	1	11.1	54.1	60
								E07	5.6	1	15.5	59.7	70
								E10	8	1	22.2	68	70
								E15	11.9	2	33	81.5	90
								E20	15.9	2	44.1	95.4	100
	230-3-60	16.5	110	25.8	2.8	6.8	10	NONE	-	-	-	40.2	50
								E05	5.3	1	12.7	56.2	60
								E07	7.5	1	18	62.8	70
								E10	10.6	1	25.5	72.1	80
								E15	15.9	2	38.2	88	90
								E20	21.2	2	51	104	110
	460-3-60	7.2	52	11.3	2.8	3.15	5	NONE	-	-	-	18.5	25
								E07	6.8	1	8.2	28.8	30
								E10	10.1	1	12.1	33.7	35
								E15	13.6	2	16.4	39	40
								E20	19.5	2	23.5	47.9	50
								E30	28.8	2	34.6	61.9	70
	575-3-60	5.5	38.9	8.6	2.8	2.2	4	NONE	-	-	-	14.2	15
								E10	10.6	1	10.2	26.9	30
								E15	15.9	2	15.3	33.3	35
								E20	21.2	2	20.4	39.7	40
								E30	30.4	2	29.3	50.8	60

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XN036-060, XT-03 thru -05 & J03 thru 05XN (Direct Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
XN036 XT-03 J03XN (3.0)	208-1-60	16.7	109	26	1.3	6	10	NONE	-	-	-	38.2	50
								E05	4	1	19.2	62.2	70
								E07	5.6	1	26.9	71.8	80
								E10	8	1	38.5	86.3	90
								E15	11.9	2	57.2	109.7	110
	230-1-60	16.7	109	26	1.3	6	10	E20	15.9	2	76.4	133.7	150
								NONE	-	-	-	38.2	50
								E05	5.3	1	22.1	65.8	70
								E07	7.5	1	31.2	77.2	80
								E10	10.6	1	44.2	93.4	100
	208-3-60	11.2	88	17.5	1.3	6	10	E15	15.9	2	66.2	121	125
								E20	21.2	2	88.3	148.6	150
								NONE	-	-	-	31.3	40
								E05	4	1	11.1	45.2	50
								E07	5.6	1	15.5	50.7	60
	230-3-60	11.2	88	17.5	1.3	6	10	E10	8	1	22.2	59.1	60
								E15	11.9	2	33	72.6	80
								E20	15.9	2	44.1	86.5	90
								NONE	-	-	-	31.3	40
								E05	5.3	1	12.7	47.2	50
XN048 XT-04 J04XN (4.0)	208-1-60	19.6	130	30.5	2.8	7.6	10	E07	7.5	1	18	53.9	60
								E10	10.6	1	25.5	63.2	70
								E15	15.9	2	38.2	79.1	80
								E20	21.2	2	51	95	100
								NONE	-	-	-	44.9	60
	230-1-60	19.6	130	30.5	2.8	7.6	10	E05	4	1	19.2	68.9	80
								E07	5.6	1	26.9	78.6	90
								E10	8	1	38.5	93	100
								E15	11.9	2	57.2	116.4	125
								E20	15.9	2	76.4	140.5	150
	208-3-60	13.7	83.1	21.4	2.8	7.6	10	NONE	-	-	-	44.9	60
								E05	5.3	1	22.1	72.5	80
								E07	7.5	1	31.2	84	90
								E10	10.6	1	44.2	100.1	110
								E15	15.9	2	66.2	127.7	150
	230-3-60	13.7	83.1	21.4	2.8	7.6	10	E20	21.2	2	88.3	155.3	175
								NONE	-	-	-	37.5	50
								E05	4	1	11.1	51.4	60
								E07	5.6	1	15.5	57	60
								E10	8	1	22.2	65.3	70
								E15	11.9	2	33	78.8	80
								E20	15.9	2	44.1	92.7	100
								NONE	-	-	-	37.5	50
								E05	5.3	1	12.7	53.5	60
								E07	7.5	1	18	60.1	70
								E10	10.6	1	25.5	69.4	70
								E15	15.9	2	38.2	85.3	90
								E20	21.2	2	51	101.3	110

XN036-060, XT-03 thru -05 & J03 thru 05XN (Direct Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XN060 XT-05 J05XN (5.0)	208-1-60	27.1	152.9	42.3	2.8	7.6	10	NONE	-	-	-	54.3	70
								E05	4	1	19.2	78.3	100
								E07	5.6	1	26.9	87.9	100
								E10	8	1	38.5	102.4	110
								E15	11.9	2	57.2	125.8	150
								E20	15.9	2	76.4	149.8	150
								E30	22.2	2	106.7	187.7	200
	230-1-60	27.1	152.9	42.3	2.8	7.6	10	NONE	-	-	-	54.3	70
								E05	5.3	1	22.1	81.9	100
								E07	7.5	1	31.2	93.3	110
								E10	10.6	1	44.2	109.5	125
								E15	15.9	2	66.2	137.1	150
								E20	21.2	2	88.3	164.7	175
								E30	29.6	2	123.3	208.4	225
	208-3-60	16.5	110	25.8	2.8	7.6	10	NONE	-	-	-	41	50
								E05	4	1	11.1	54.9	60
								E07	5.6	1	15.5	60.5	70
								E10	8	1	22.2	68.8	70
								E15	11.9	2	33	82.3	90
								E20	15.9	2	44.1	96.2	100
								E30	22.2	2	61.6	118.1	125
	230-3-60	16.5	110	25.8	2.8	7.6	10	NONE	-	-	-	41	50
								E05	5.3	1	12.7	57	70
								E07	7.5	1	18	63.6	70
								E10	10.6	1	25.5	72.9	80
								E15	15.9	2	38.2	88.8	90
								E20	21.2	2	51	104.8	110
								E30	29.6	2	71.2	130	150

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XP036-060, XA-03 thru -05 & J03 thru 05XA (Belt Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Conv Outlet FLA	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XP036 XA-03 J03XP (3.0)	208-3-60	13.2	88	20.6	1.3	5.2	10	NONE	-	-	-	33	40
								E05	4	1	11.1	46.9	50
								E07	5.6	1	15.5	52.4	60
								E10	8	1	22.2	60.8	70
								E15	11.9	2	33	74.3	80
								E20	15.9	2	44.1	88.2	90
	230-3-60	13.2	88	20.6	1.3	5.2	10	NONE	-	-	-	33	40
								E05	5.3	1	12.7	48.9	50
								E07	7.5	1	18	55.6	60
								E10	10.6	1	25.5	64.9	70
								E15	15.9	2	38.2	80.8	90
								E20	21.2	2	51	96.7	100
	460-3-60	6	44	9.3	0.8	2.6	5	NONE	-	-	-	15.9	20
								E07	6.8	1	8.2	26.1	30
								E10	10.1	1	12.1	31.1	35
								E15	13.6	2	16.4	36.3	40
								E20	19.5	2	23.5	45.2	50
								NONE	-	-	-	11.9	15
	575-3-60	4.2	30	6.5	0.8	2	4	E10	10.6	1	10.2	24.6	25
								E15	15.9	2	15.3	31	35
								E20	21.2	2	20.4	37.4	40
								NONE	-	-	-	32.9	40
XP048 XA-04 J04XP (4.0)	208-3-60	13.1	83.1	20.5	1.3	5.2	10	NONE	-	-	-	32.9	40
								E05	4	1	11.1	46.8	50
								E07	5.6	1	15.5	52.3	60
								E10	8	1	22.2	60.6	70
								E15	11.9	2	33	74.2	80
								E20	15.9	2	44.1	88	90
	230-3-60	13.1	83.1	20.5	1.3	5.2	10	NONE	-	-	-	32.9	40
								E05	5.3	1	12.7	48.8	50
								E07	7.5	1	18	55.4	60
								E10	10.6	1	25.5	64.7	70
								E15	15.9	2	38.2	80.7	90
								E20	21.2	2	51	96.6	100
	460-3-60	6.1	41	9.5	0.8	2.6	5	NONE	-	-	-	16	20
								E07	6.8	1	8.2	26.2	30
								E10	10.1	1	12.1	31.2	35
								E15	13.6	2	16.4	36.5	40
								E20	19.5	2	23.5	45.3	50
								NONE	-	-	-	12.1	15
	575-3-60	4.4	33	6.8	0.8	2	4	E10	10.6	1	10.2	24.9	25
								E15	15.9	2	15.3	31.3	35
								E20	21.2	2	20.4	37.6	40
								NONE	-	-	-	32.9	40

XP036-060, XA-03 thru -05 & J03 thru 05XA (Belt Drive) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
XP060 XA-05 J05XP (5.0)	208-3-60	15.6	110	24.4	2.3	5.2	10	NONE	-	-	-	37	45
								E05	4	1	11.1	50.9	60
								E07	5.6	1	15.5	56.4	60
								E10	8	1	22.2	64.8	70
								E15	11.9	2	33	78.3	80
								E20	15.9	2	44.1	92.2	100
	230-3-60	15.6	110	24.4	2.3	5.2	10	E30	22.2	2	61.6	114	125
								NONE	-	-	-	37	45
								E05	5.3	1	12.7	52.9	60
								E07	7.5	1	18	59.6	70
								E10	10.6	1	25.5	68.9	70
								E15	15.9	2	38.2	84.8	90
	460-3-60	7.8	52	12.1	1.3	2.6	5	E20	21.2	2	51	100.7	110
								E30	29.6	2	71.2	126	150
								NONE	-	-	-	18.6	25
								E07	6.8	1	8.2	28.9	30
								E10	10.1	1	12.1	33.8	35
								E15	13.6	2	16.4	39.1	40
	575-3-60	5.8	38.9	9.1	1.3	2	4	E20	19.5	2	23.5	48	50
								E30	28.8	2	34.6	62	70
								NONE	-	-	-	14.3	20
								E10	10.6	1	10.2	27	30
								E15	15.9	2	15.3	33.4	35
								E20	21.2	2	20.4	39.8	40
								E30	30.4	2	29.3	50.9	60

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XP036-060, XA-03 thru -05 & J03 thru 05XA (Belt Drive High Static)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Conv Outlet FLA	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XP036 XA-03 J03XP (3.0)	208-3-60	13.2	88	20.6	1.3	5.2	10	NONE	-	-	-	33	40
								E05	4	1	11.1	46.9	50
								E07	5.6	1	15.5	52.4	60
								E10	8	1	22.2	60.8	70
								E15	11.9	2	33	74.3	80
								E20	15.9	2	44.1	88.2	90
	230-3-60	13.2	88	20.6	1.3	5.2	10	NONE	-	-	-	33	40
								E05	5.3	1	12.7	48.9	50
								E07	7.5	1	18	55.6	60
								E10	10.6	1	25.5	64.9	70
								E15	15.9	2	38.2	80.8	90
								E20	21.2	2	51	96.7	100
	460-3-60	6	44	9.3	0.8	2.6	5	NONE	-	-	-	15.9	20
								E07	6.8	1	8.2	26.1	30
								E10	10.1	1	12.1	31.1	35
								E15	13.6	2	16.4	36.3	40
								E20	19.5	2	23.5	45.2	50
								NONE	-	-	-	11.9	15
	575-3-60	4.2	30	6.5	0.8	2	4	E10	10.6	1	10.2	24.6	25
								E15	15.9	2	15.3	31	35
								E20	21.2	2	20.4	37.4	40
								NONE	-	-	-	32.9	40
XP048 XA-04 J04XP (4.0)	208-3-60	13.1	83.1	20.5	1.3	5.2	10	NONE	-	-	-	32.9	40
								E05	4	1	11.1	46.8	50
								E07	5.6	1	15.5	52.3	60
								E10	8	1	22.2	60.6	70
								E15	11.9	2	33	74.2	80
								E20	15.9	2	44.1	88	90
	230-3-60	13.1	83.1	20.5	1.3	5.2	10	NONE	-	-	-	32.9	40
								E05	5.3	1	12.7	48.8	50
								E07	7.5	1	18	55.4	60
								E10	10.6	1	25.5	64.7	70
								E15	15.9	2	38.2	80.7	90
								E20	21.2	2	51	96.6	100
	460-3-60	6.1	41	9.5	0.8	2.6	5	NONE	-	-	-	16	20
								E07	6.8	1	8.2	26.2	30
								E10	10.1	1	12.1	31.2	35
								E15	13.6	2	16.4	36.5	40
								E20	19.5	2	23.5	45.3	50
								NONE	-	-	-	12.1	15
	575-3-60	4.4	33	6.8	0.8	2	4	E10	10.6	1	10.2	24.9	25
								E15	15.9	2	15.3	31.3	35
								E20	21.2	2	20.4	37.6	40
								NONE	-	-	-	32.9	40

XP036-060, XA-03 thru -05 & J03 thru 05XA (Belt Drive High Static) (Continued)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC	FLA	FLA	FLA	Model	kW	Stages	Amps		
XP060 XA-05 J05XP (5.0)	208-3-60	15.6	110	24.4	2.3	6.8	10	NONE	-	-	-	38.6	50
								E05	4	1	11.1	52.5	60
								E07	5.6	1	15.5	58	60
								E10	8	1	22.2	66.4	70
								E15	11.9	2	33	79.9	80
								E20	15.9	2	44.1	93.8	100
	230-3-60	15.6	110	24.4	2.3	6.8	10	E30	22.2	2	61.6	115.6	125
								NONE	-	-	-	38.6	50
								E05	5.3	1	12.7	54.5	60
								E07	7.5	1	18	61.2	70
								E10	10.6	1	25.5	70.5	80
								E15	15.9	2	38.2	86.4	90
	460-3-60	7.8	52	12.1	1.3	3.4	5	E20	21.2	2	51	102.3	110
								E30	29.6	2	71.2	127.6	150
								NONE	-	-	-	19.5	25
								E07	6.8	1	8.2	29.7	35
								E10	10.1	1	12.1	34.6	35
								E15	13.6	2	16.4	39.9	40
	575-3-60	5.8	38.9	9.1	1.3	2.4	4	E20	19.5	2	23.5	48.8	50
								E30	28.8	2	34.6	62.8	70
								NONE	-	-	-	14.7	20
								E10	10.6	1	10.2	27.4	30
								E15	15.9	2	15.3	33.8	35
E20								21.2	2	20.4	40.2	45	
							E30	30.4	2	29.3	51.3	60	

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

XP036-060, XA-03 thru -05 & J03 thru 05XA (Direct Drive)

Size (Tons)	Volt	Compressors (each)			OD Fan Motors (each)	Supply Blower Motor	Pwr Conv Outlet	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		RLA	LRA	MCC				Model	kW	Stages	Amps		
XP036 XA-03 J03XP (3.0)	208-3-60	13.2	88	20.6	1.3	6	10	NONE	-	-	-	33.8	45
								E05	4	1	11.1	47.7	50
								E07	5.6	1	15.5	53.2	60
								E10	8	1	22.2	61.6	70
								E15	11.9	2	33	75.1	80
								E20	15.9	2	44.1	89	90
	230-3-60	13.2	88	20.6	1.3	6	10	NONE	-	-	-	33.8	45
								E05	5.3	1	12.7	49.7	50
								E07	7.5	1	18	56.4	60
								E10	10.6	1	25.5	65.7	70
								E15	15.9	2	38.2	81.6	90
XP048 XA-04 J04XP (4.0)	208-3-60	13.1	83.1	20.5	1.3	7.6	10	NONE	-	-	-	35.3	45
								E05	4	1	11.1	49.2	50
								E07	5.6	1	15.5	54.7	60
								E10	8	1	22.2	63	70
								E15	11.9	2	33	76.6	80
								E20	15.9	2	44.1	90.4	100
	230-3-60	13.1	83.1	20.5	1.3	7.6	10	NONE	-	-	-	35.3	45
								E05	5.3	1	12.7	51.2	60
								E07	7.5	1	18	57.8	60
								E10	10.6	1	25.5	67.1	70
								E15	15.9	2	38.2	83.1	90
XP060 XA-05 J05XP (5.0)	208-3-60	15.6	110	24.4	2.3	7.6	10	NONE	-	-	-	39.4	50
								E05	4	1	11.1	53.3	60
								E07	5.6	1	15.5	58.8	70
								E10	8	1	22.2	67.2	70
								E15	11.9	2	33	80.7	90
								E20	15.9	2	44.1	94.6	100
	230-3-60	15.6	110	24.4	2.3	7.6	10	E30	22.2	2	61.6	116.4	125
								NONE	-	-	-	39.4	50
								E05	5.3	1	12.7	55.3	60
								E07	7.5	1	18	62	70
								E10	10.6	1	25.5	71.3	80
								E15	15.9	2	38.2	87.2	90
								E20	21.2	2	51	103.1	110
								E30	29.6	2	71.2	128.4	150

1 Minimum Circuit Ampacity.

2 Dual Element, Time Delay Type.

3 HACR type per NEC.

Table 5: Electric Heat Multipliers

Voltage		kW Cap. Multiplier
Nominal	Rating	
240	208	0.75
	230	0.92
480	460	0.92
600	575	0.92

Table 6: Unit Voltage Limitations

Power Rating	Min.	Max.
208/230-3-60	187	252
460-3-60	432	504
575-3-60	540	630