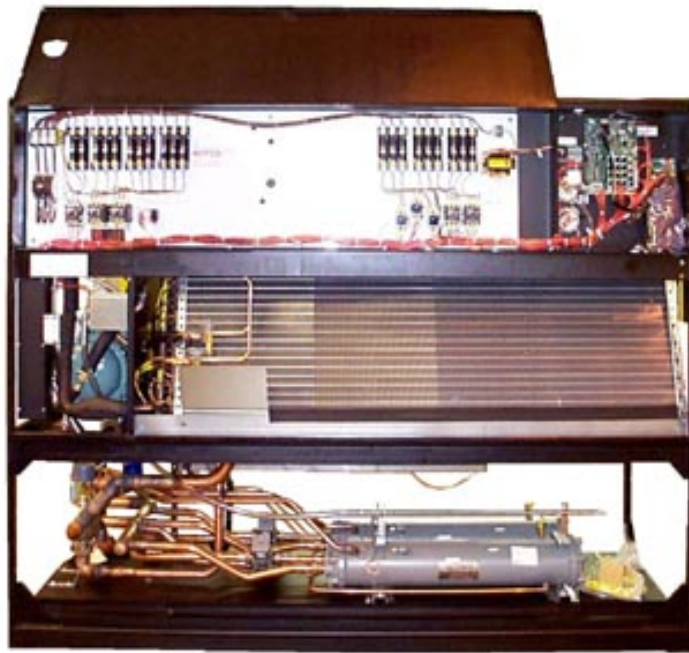

Liebert Deluxe System™ (VH)

Deluxe System Family



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1. Product Description

The Deluxe System/3 unit is available in an upflow or downflow configuration and is equipped with infrared humidifier, electric reheat, 4 in. (10 cm) 20% air filters and standard blower package, high voltage circuit protection, and the Advanced Microprocessor Control (AM) includes backlit 4 x 20 LCD for displaying all data and for operator interface to the control. Data that can be displayed through the menu-driven control includes temperature, humidity, and percent operating capacity, component run hours, alarm history, and four optional analog readings. Other features included in the control are three selectable temperature control algorithms, two selectable humidity control algorithms, a maximum of 17 available alarms, output diagnostics, input diagnostics, microprocessor diagnostics, temperature anticipation, programmable infrared humidifier flush cycle, compressor short-cycle control, automatic compressor sequencing, sequential load activation, CW/HW/Econ-O-Coil flush cycles, sensor calibration, alarm management, and battery backed-up clock.

Air Cooled includes dual refrigeration system with standard fan speed control condenser with factory wired internal controls for 95°F (35°C) Ambient.

Water Cooled includes dual refrigeration system with water cooled condensers and two-way head pressure control valve.

Chilled Water includes chilled water piping and three way modulating control valve and insulated piping. Models 422C and 529C not available with optional fan motor.

Glycol Cooled includes dual refrigeration system with glycol cooled condenser and two-way head pressure control valve with bypass. Outdoor equipment includes drycooler with factory wire internal controls, pump, and expansion tank for 95°F (35°C) Ambient.

Glycool (DE/VE) includes basic glycol cooled package plus the following: Additional multi-row Glycool coil with three-way valve, insulated piping, three-way water regulating valve, higher horsepower pump selection (if required), top or fan end removable filters only (on down flow units), increased fan motor size, comparator circuit for activation of Glycool operation.

NOTE: Glycool cannot be sold with the following options:

- 1) Steam Humidifier.
- 2) Steam Reheat.
- 3) Hot Water Reheat.
- 4) 6 in. (15 cm) filters with standard Econ-O-Coil 4 in. (10 cm) or 6 in. (15 cm) or filters with 6-row Econ-O-Coil.
- 5) Cut down Frame on DE models.
- 6) No Controls.

Upflow Glycool Units cannot be sold with the following additional options:

- 1) 6-row Econ-O-Coil.
- 2) Hot Gas Reheat.

4-Step System includes cylinder unloaders on each compressor plus special DX coil. It provides 4 steps of DX cooling. It is available on all System/3 units except Chilled Water and 6-ton DX. It is available with either Advanced Microprocessor, or Advanced Microprocessor with Graphics.

Some options or combinations of options may result in reduced air flow, consult factory for recommendations.

Main Fan Overload Alarm includes an overload wired to control which activates an alarm on digital readout of monitor.

Compressor Overload Alarm includes an overload wired to control which activates an alarm on digital readout of monitor (price is per compressor).

Plenum painted to match dominant unit color; standard heights 20 in. (51 cm), 22 ¾ in. (58 cm), and 34 ¾ in. (88 cm), insulation on all four sides. The following standard configurations are available: Front or Rear Discharge with grille; Top Discharge with 1 in. (2.5 cm) flange.

Advanced Microprocessor Control (AG) w/Graphics includes all the features of the Advanced control except the 4 x 20 LCD which is replaced with a backlit 240 x 128 dot matrix graphics display. In addition, the AG includes a larger alarm history file, graphical plots of temperature, humidity, and the analog inputs, bar graph plots of component run history, and a graphical floor plan layout for water detection cable. The default screen is a graphical display of unit status, temperature, and humidity.

The OpenComms NIC (Network Interface Card) makes possible 10baseT Ethernet connectivity for monitoring the unit via SNMP by Network Management Systems (exp. HP OpenView) as well as serving up a web page. Consult Site Price Book for more information.

Environmental Discrete Outputs Card provides 16 discrete outputs, corresponding to status and major alarm conditions of the unit. Consult Site Price Book for more information. Language Options. The AM & AG Controls are available with the following languages which must be selected at time of order:

Language Options. The AM & AG Controls are available with the following languages which must be selected at time of order:

AM	AG
English	English
Spanish	Spanish
Portuguese	Portuguese
French	French
	Chinese

Analog Input Wiring Kit includes the necessary wiring and terminals to field wire analog inputs to AM or AG control.

Air Cooled / Water Cooled Units with Econ-O-Coil includes the basic air cooled/water cooled package plus the following:

- 1) Additional Glycool Coil with Three-Way Valve.
- 2) Insulated Piping.
- 3) Top or Fan End Removable Filters Only (On Downflow Units).
- 4) Increased Fan Motor Size Available in Downflow version only.

On water cooled units, the piping for the Econ-O-Coil is separate from the piping for the water cooled condensers.

NOTE: On the Advanced Microprocessor controlled units the Econ-O-Coil will operate like a chilled water unit (i.e., modulating cooling and dehumidifying).

Upflow DX and UH600C/UH740C Blower/Motor Packages for Special Applications are made up from the following list of components:

15x11 blower(s) in lieu of the standard 15x15 **12x9 blower(s)** in lieu of the standard 15x15

200,000 hour bearings in lieu of the standard 100,000 hour bearings

Optional HP motors up to 20 hp*

Premium Efficiency Motors

Heavy Gauge (16ga) Panels which are recommended for high esp applications

The Liebert Blower Performance Program must be used to select the proper blower/motor combination for each application.

* 15x11 blowers are required with certain motor and frame combinations. Consult specific optional motor tables (blower price must be added to motor price).

Condensate Pump must be shipped loose for all Water Cooled, Glycol Cooled units and GLYCOOL units and for bottom return Air Cooled and Chilled Water units. A Dual Float Condensate Pump is also available. It includes a common alarm, unit shutdown and 1 set of customer n/o contacts.

Filter Packages

NOTE: When using optional filters, an upsized fan motor is recommended (consult factory).

All filter packages are rated in accordance with ASHRAE 52.1. The standard filter package is 4 in. (10 cm)/20% efficient. Optional Packages are:

For Downflow DX Units

- 4 in. (10 cm)/30% efficient
- 4 in. (10 cm)/40-45% efficient
- 4 in. (10 cm)/60-65% efficient
- 6 in. (15 cm)/60-65% efficient
- 2 in. (5 cm)/ 20% efficient Pre-filters

All filters are mounted in the standard unit filter rack.

When using the optional 60-65% or higher filters, an upsized fan motor should be used (consult factory).

For Upflow DX Units

- 4 in. (10 cm)/30% efficient
- 4 in. (10 cm)/40-45% efficient
- 4 in. (10 cm)/60-65% efficient
- 4 in. (10 cm)/80-85% efficient
- 4 in. (10 cm)/90-95% efficient
- 2 in. (5 cm)/ 20% efficient Pre-filters

For All CW Units

4 in. (10 cm)/30% efficient
4 in. (10 cm)/40-45% efficient
4 in. (10 cm)/60-65% efficient
4 in. (10 cm)/80-85% efficient*
4 in. (10 cm)/90-95% efficient*

* UH600C & UH740C only.

Prices shown are list add for an optional package and list add for one extra set of filters. 2in. Pre-filters on FH Chilled Water units require a 9 in. plenum.

FILTER AVAILABILITY				
	6 in. + 2 in.	6 in.	4 in. + 2 in.	4 in.
Mode	Pre-Filter	Only	Pre-Filter	Only
FH/D	ALL (ECW)	ALL (ECW)	ALL	ALL
H			(CWS)	
UH/V	N/A	N/A	ALL	ALL
H			(ECW)	
DE	N/A	N/A	N/A	E6RE
VE	N/A	N/A	ALL	ALL

ECW = Except Chilled Water

CWS = Chilled Water – Special Plenum

E6RE = Except 6-row Econ-O-Coil – 2 in. only

The Smoke Detector senses the return air, shuts down the unit upon detection, and sends visual and audible alarm. Dry contacts are available for a remote customer alarm. This smoke detector is not intended to function as/or replace any room smoke detection system that may be required by local or national codes.

Firestat senses return air temperature. Shut down unit if temperature reaches the field adjustable set point.

Crankcase Heaters are installed in each compressor and are energized whenever the unit is powered but the compressor(s) is off.

Lee-Temp Air Cooled System includes an air cooled condenser with heated (150 watt), insulated receivers, pressure relief valves, three-way head pressure control valves, check valves and rotolock valves. Provides head pressure control to -30°F (-34.4°C).

300 Watt Heater Pads for Lee-Temp includes an additional 150 watt heater for each Lee-Temp receiver.

Two Way WRV with Bypass Valve includes a manually adjustable gate valve piped in parallel with WRV (standard on glycol units).

3 Way WRV replaces two-way WRV and is required when constant condenser water flow rate must be maintained (standard on glycol units).

High Pressure Water Cooled or Glycol Cooled System (300 psig / 2068.5 kPa) includes WRV and condenser to meet the listed pressure. Glycol units also include high pressure chilled glycol valve.

High Pressure Chilled Water System (400psig/2758kPa) includes high pressure valve. Standard coil is good for 400 psig (2758 kPa).

Balance Valve on chilled water units is mounted in bypass leg around chilled water coil. Manually adjustable. Rated for 400 psig (2758 kPa).

Export Pack. See Weights and Measures.

Floorstand available in heights between 9 in. (23 cm) through 24 in. (61 cm) in 3 in. (7.6 cm) increments (adj. ± 1.5 in./ ± 3.8 cm); Turning Vanes add to price of floorstand.

Turning Vanes are designed to drop into opening in floorstand. Can be installed to direct air to the front or rear of the unit.

Some options or combinations of options may result in reduced air flow, consult factory for recommendations.

Main Fan Overload Alarm includes an overload wired to control which activates an alarm on digital readout of monitor.

Compressor Overload Alarm includes an overload wired to control which activates an alarm on digital readout of monitor (price is per compressor).

Plenum painted to match dominant unit color; standard heights 20 in. (51 cm), 22 ¾ in. (58 cm), and 34 ¾ in. (88 cm), insulation on all four sides. The following standard configurations are available: Front or Rear Discharge with grille; Top Discharge with 1 in. (2.5 cm) flange.

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Air Cooled/Water Cooled Units with Econ-O-Coil include the basic air cooled/water cooled package plus the following:

- 1) Additional Glycool Coil with Three-Way Valve
- 2) Insulated Piping
- 3) Top or Fan End Removable Filters Only (On Downflow Units)
- 4) Increased Fan Motor Size

Available in Downflow version only.

On water cooled units, the piping for the Econ-O-Coil is separate from the piping for the water-cooled condensers.

NOTE: On the Advanced Microprocessor controlled units the Econ-O-Coil will operate like a chilled water unit (i.e., modulating cooling and dehumidifying).

Upflow DX and UH600C/UH740C
Blower/Motor Packages for Special
Applications are made up from the following list of components:

15x11 blower(s) in lieu of the standard 15x15

12x9 blower(s) in lieu of the standard 15x15

200,000 hour bearings in lieu of the standard 100,000 hour bearings

Optional HP motors up to 20 hp*

Premium Efficiency Motors

Heavy Gauge (16ga) Panels which are recommended for high esp applications.

The Liebert Blower Performance Program must be used to select the proper blower/motor combination for each application.

*15x11 blowers are required with certain motor and frame combinations. Consult specific optional motor tables (blower price must be added to motor price).

70/30 Cu-Ni Econ-O-Coil, (Glycool & Dual-Cooling Source units, DE & VE) replaces the copper tube Econ-O-Coil. Consult factory for lead-time. Use SFA E9126 for DE units; SFA E7351 for VE units.

Note: this option is required on open-tower systems.

Variable Speed Drive (VSD) on Chilled Water units includes an inverter-driven blower system controlled in parallel with the chilled water valve.

Note: This option is not available on FH600C and FH740C Units with Steam Generating Canister Humidifier.

Centrifugal Condensers include Lee-Temp Package and control box. Prices shown are list adds to indoor unit only price (Consult factory for lead time).

Centrifugal Drycoolers price shown includes drycooler, drycooler control box and three-way mixing valve. Prices shown are list adds to indoor unit only price and includes standard pump (Consult factory for lead time).

Series PB Condensers include Centrifugal fan and Lee-Temp package in the same cabinet design as the Deluxe System/3. Prices are in Heat Rejection Section.

Series PB Drycoolers include Centrifugal fan, pump, and expansion tank in the same cabinet design as the Deluxe System/3. Prices are in Heat Rejection Section.

SERIES PB OPTIONS

Adjustable Floor Stand available between 9 in. (23 cm) and 24 in. (61 cm) in 3 in. (7.6 cm) increments, adjustable $\pm 1 \frac{1}{2}$ in. (± 3.8 cm).

Filter Section includes filter slides and 20% efficiency air filter.

Disconnect Switch externally operated, non-automatic.

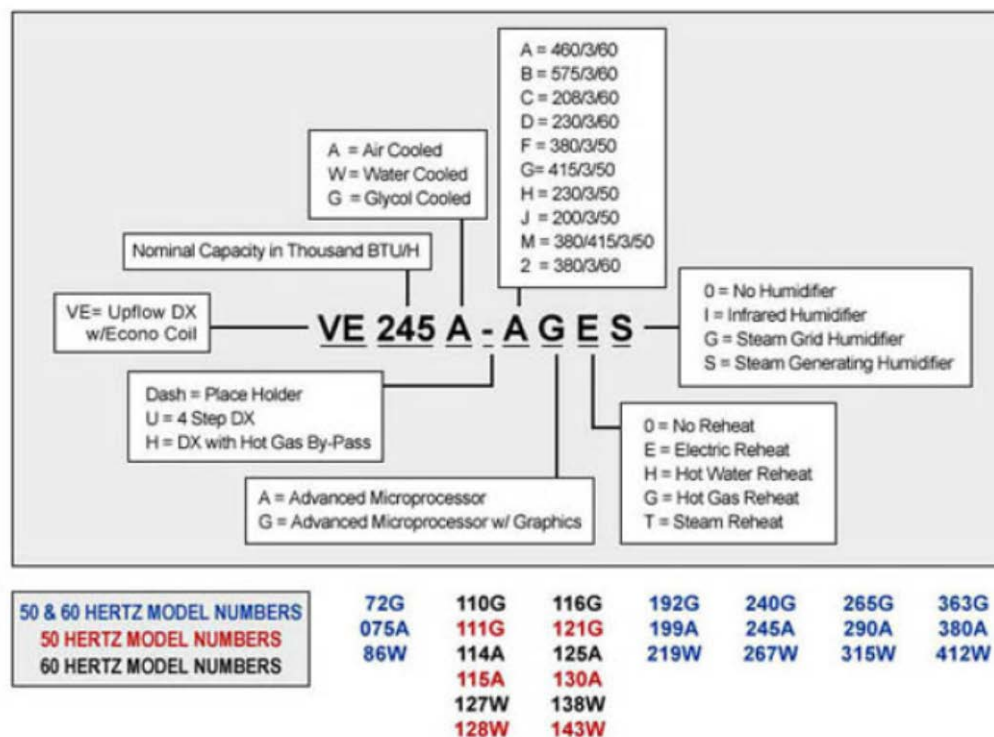
Non-locking does not prevent access to high voltage panel (standard).

Locking locks high voltage panel when voltage is on.

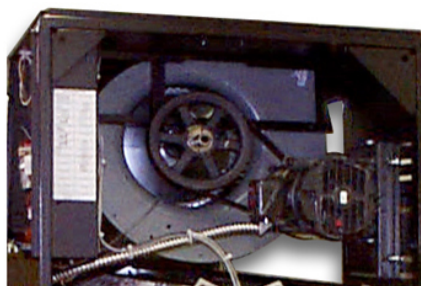
Liebert offers Optional Extended Protection Programs for the Deluxe System/3. The **2nd Year Total Unit Coverage (Parts & Compressor)** program provides parts replacement on Liebert equipment as required in accordance with the policy statement provided which covers year two from date of start-up. The **4 Year Compressor Only Warranty** program is for an additional four years beyond the standard one year unit warranty. The **4-Year Total Unit Coverage (Parts & Compressor)** program provides parts replacement on Liebert equipment as required in accordance with the policy statement provided which covers years two through five from date of start-up. The **1st Year Labor and Standard Service** program provides labor coverage for the replacement of components as covered in our standard warranty statement. **Comprehensive 1st year Labor** includes all the features of 1st year labor described above, plus it also includes appropriate troubleshooting of the Liebert environmental unit during the first year of service, fine tuning of Liebert controls to match the customer load, and the labor assistance to repair Liebert or Liebert vendor caused problems. Start-up allowance must be sold with this optional labor warranty, a factory trained serviceman must do the start-up, start-up papers must be returned to Liebert ES&S, a Liebert USA contractor must provide the labor, and all labor must be preauthorized by Liebert ES&S through the local sales office. The **Platinum Service** program combines the benefits of 1st Year Labor Coverage along with 4 Year Total Unit Coverage (Parts & Compressor).

Note: This does not include the features of the Comprehensive 1st year labor option.

2. Model Number Definition



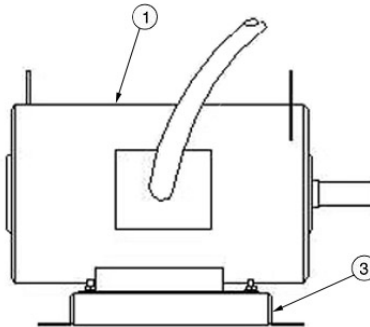
3. Blower / Motor Section



Due to the complexity of the Blower Options for the VE-Deluxe units, you will need to contact the Factory for the Blower Parts for your specific unit(s). Please supply the Serial Number(s) and Model Number(s) of the unit(s) for which you need the parts.

3.1. Motor Section

3.1.1. Assembly



1. Motor
3. Motor Base Adjustable

3.1.2. Motor

3.1.2.1. 1 HP

Part Number	Description	Volts	72G 75A 86W
160626P1	MOTOR 1.0HP 208-3-60 PE	208-3-60Hz	1
160627P1	MOTOR 1.0HP 230/460-3-60 PE	230/460-3-60Hz	1
160628P1	MOTOR 1.0HP 575-3-60 PE	575-3-60Hz	1
B-016B	MOTOR 1.0HP 208/230/460-3-60	208/230/460-3-60Hz	1
B-017A	MOTOR 1.0HP 575-3-60	575-3-60Hz	1
B-0900	MOTOR 1.0HP 200/380/400-3-50	380/415-3-50Hz	1
B-2200	MOTOR 1.0HP 380-3-60	380-3-60Hz	1

3.1.2.2. 1.5 HP

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W
160629P1	MOTOR 1.5HP 208-3-60 PE	208-3-60Hz	1	1
160630P1	MOTOR 1.5HP 230/460-3-60 PE	230/460-3-60Hz	1	1
160631P1	MOTOR 1.5HP 575-3-60 PE	575-3-60Hz	1	1
B-019A	MOTOR 1.5HP 208/230/460-3-60	208/230/460-3-60Hz	1	1
B-020A	MOTOR 1.5HP 575-3-60	575-3-60Hz	1	1
B-0910	MOTOR 1.5HP 200/380/400-3-50	380/415-3-50Hz	1	1
B-2210	MOTOR 1.5HP 190/380-3-60	380-3-60Hz	1	1

3.1.2.3. 2HP

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W
160632P1	MOTOR 2.0HP 208-3-60 PE	208-3-60Hz	1	1	1
160633P1	MOTOR 2.0HP 230/460-3-60 PE	230/460-3-60Hz	1	1	1
160634P1	MOTOR 2.0HP 575-3-60 PE	575-3-60Hz	1	1	1
B-022A	MOTOR 2.0HP 208/230/460-3-60	208/230/460-3-60Hz	1	1	1
B-023A	MOTOR 2.0HP 575-3-60	575-3-60Hz	1	1	1
B-0920	MOTOR 2.0HP 200/380/400-3-50	380/415-3-50Hz	1	1	1
B-1770	MOTOR 2.0HP 230/460-3-60	460-3-60Hz			1
B-2160	MOTOR 2.0HP 380-3-60	380-3-60Hz	1	1	1

3.1.2.4. 3 HP

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W
160635P1	MOTOR 3.0HP 575-3-60 PE	575-3-60Hz	1	1	1	1
1A30349P1	MOTOR 3.0HP 230/460-3-60 PE	230/460-3-60Hz	1	1	1	1
1A30349P2	MOTOR 3.0HP 208-3-60 PE	208-3-60Hz	1	1	1	1
B-025A	MOTOR 3.0HP 208/230/460-3-60	208/230/460-3-60Hz	1	1	1	1
B-026A	MOTOR 3.0HP 575-3-60	575-3-60Hz	1	1	1	1
B-0930	MOTOR 3.0HP 200/380/400-3-50	380/415-3-50Hz	1	1	1	1
B-2220	MOTOR 3.0HP 190/380-3-60	380-3-60Hz	1	1	1	1

3.1.2.5. 5 HP

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W
160636P1	MOTOR 5.0HP 575-3-60 PE	575-3-60Hz	1	1	1	1	1
1C30169P1	MOTOR 5.0HP 230/460-3-60 PE	230/460-3-60Hz	1	1	1	1	1
1C30169P2	MOTOR 5.0HP 208-3-60 PE	208-3-60Hz	1	1	1	1	1
B-028A	MOTOR 5.0HP 208/230/460-3-60	208/230/460-3-60Hz	1	1	1	1	1
B-029A	MOTOR 5.0HP 575-3-60	575-3-60Hz	1	1	1	1	1
B-0940	MOTOR 5.0HP 200/380/400-3-50	380/415-3-50Hz	1	1	1	1	1
B-2090	MOTOR 5.0HP 380-3-60 ODP	380-3-60Hz	1	1	1	1	1

3.1.2.6. 7.5 HP

Part Number	Description	Volts	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W
160995P1	MOTOR 7.5HP 575-3-60 PE	575-3-60Hz	1	1	1	1
1A22733P1	MOTOR 7.5HP 230/460-3-60 PE	230/460-3-60Hz	1	1	1	1
1A22733P2	MOTOR 7.5HP 208-3-60 PE	208-3-60Hz	1	1	1	1
B-034A	MOTOR 7.5HP 575-3-60	575-3-60Hz	1	1	1	1
B-035A	MOTOR 7.5HP 208/230/460-3-60	208/230/460-3-60Hz	1	1	1	1
B-1330	MOTOR 7.5HP 200/380/400-3-50	380/415-3-50/60Hz	1	1	1	1
B-2170	MOTOR 7.5HP 380-3-60	380-3-60Hz			1	1

3.1.2.7. 10 HP

Part Number	Description	Volts	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	363G 380A 412W
140997P1	MOTOR 10.0HP 208/230/460-3-60	208/230/460-3-60Hz	1	1	1	1
140998P1	MOTOR 10.0HP 575-3-60	575-3-60Hz	1	1	1	1
155671P1	MOTOR 10.0HP 380/3/60	380-3-60Hz	1	1	1	
160285P1	MOTOR 10.0HP 575-3-60 PE	575-3-60Hz	1	1	1	
1A22735P1	MOTOR 10.0HP 230/460-3-60 PE	230-460-3-60Hz	1	1	1	1
1A22735P2	MOTOR 10.0HP 208-3-60 PE	208-3-60Hz	1	1	1	1
B02-0100	MOTOR 10.0HP 575-3-60	575-3-60Hz				1
B02-0110	MOTOR 10.0HP 200/380/400-3-50	380/415-3-50Hz	1	1	1	1

3.1.2.8. 15 HP

Part Number	Description	Volts	192G 199A 219W	240G 245A 267W	363G 380A 412W
136175P1	MOTOR 15.0HP 575-3-60 PE	575-3-60Hz	1	1	1
146006P1	MOTOR 15.0HP 380-3-60	380-3-60Hz	1	1	
1C32993P1	MOTOR 15.0HP 230/460-3-60 PE	230/460-3-60Hz	1	1	1
1C32993P2	MOTOR 15.0HP 208-3-60 PE	208-3-60Hz	1	1	1
B02-0130	MOTOR 15.0HP 575-3-60	575-3-60Hz	1	1	1
B02-0140	MOTOR 15.0HP 200/380/400-3-50	380/415-3-50/60Hz	1	1	1
B05-0080	MOTOR 15.0HP 208//466-3 0DP	208//460-3-60Hz	1	1	1

3.1.2.9. 20 HP

Part Number	Description	Volts	240G 245A 267W	363G 380A 412W
160073P1	MOTOR 20.0HP 208/230/460-3-60	208/230/460-3-60Hz	1	1
160074P1	MOTOR 20.0HP 380-3-60	380-3-60Hz	1	
160075P1	MOTOR 20.0HP 575-3-60	575-3-60Hz	1	1
160076P1	MOTOR 20.0HP 380/415-3-50	380/415-3-50Hz	1	1
160179P1	MOTOR 20.0HP 208-3-60 PE	208-3-60Hz	1	1
160180P1	MOTOR 20.0HP 230/460-3-60 PE	230/460-3-60Hz	1	1
160181P1	MOTOR 20.0HP 575-3-60 PE	575-3-60Hz	1	1

3.1.3. Motor Base Adjustable

Part Number	Description	HP								
		1	1.5	2	3	5	7.5	10	15	20
B-0420	MOTOR BASE ADJUSTABLE 143-T	1								
B-0320	MOTOR BASE ADJUSTABLE 145-T		1	1						
B-0330	MOTOR BASE ADJUSTABLE 182-T				1					
B-0430	MOTOR BASE ADJUSTABLE 184-T					1				
B-0440	MOTOR BASE ADJUSTABLE 213-T						1			
B05-014E	MOTOR BASE ADJUSTABLE 215-T							1		
B05-014F	MOTOR BASE ADJUSTABLE 254-T								1	
B05-014D	MOTOR BASE ADJUSTABLE 256-T									1

3.2. Drive Package

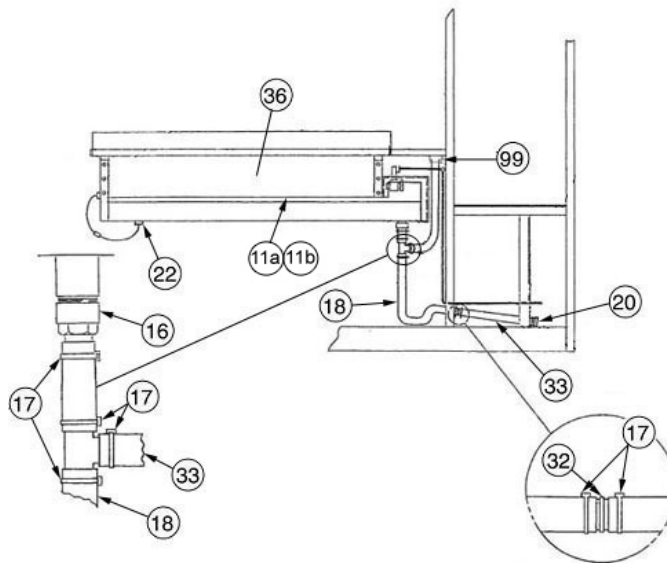
Due to the complexity of the Drive Package Options for the VE-Deluxe units, you will need to contact the Factory for the Drive Package Parts for your specific unit(s). Please supply the Serial Number(s) and Model Number(s) of the unit(s) for which you need the parts.

4. Humidifier Section Front Return

4.1. Air Cooled

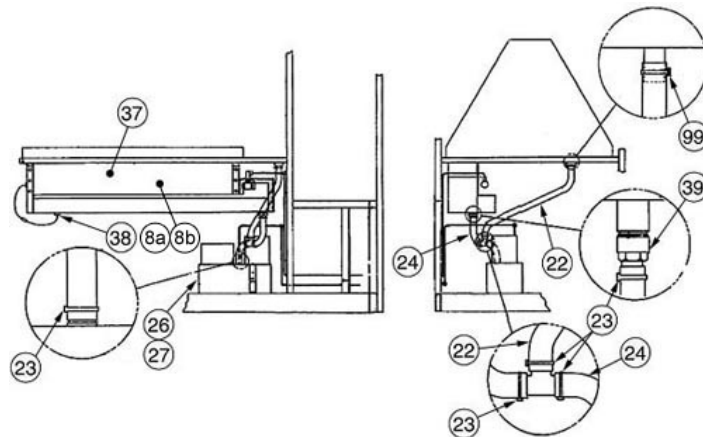


4.1.1. Infrared w/o Condensate Pump



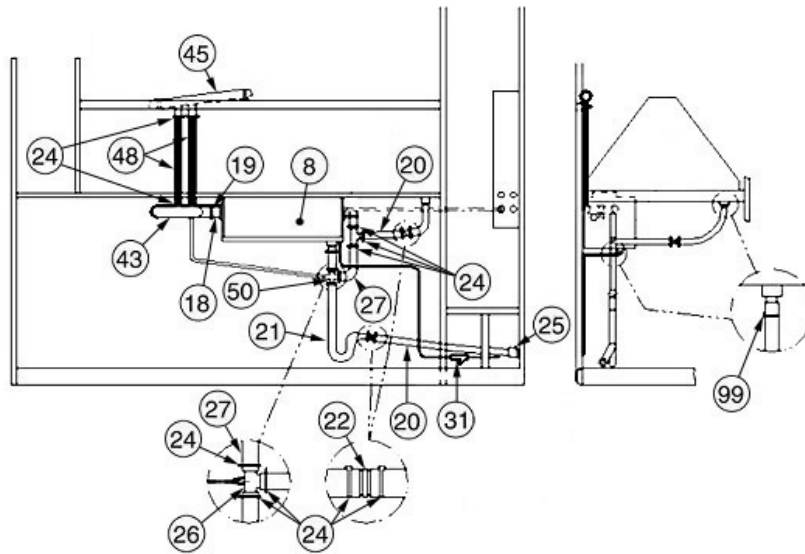
Item #	Part Number	Description	Volts		110G	116G				
				72G	111G	121G	192G	240G	265G	363G
				75A	114A	125A	199A	245A	290A	380A
				86W	115A	130A	219W	267W	315W	412W
					127W	138W				
					128W	143W				
11a		HUMIDIFIER BULB ASSEMBLY – 50HZ (See Page 36)								
11b		HUMIDIFIER BULB ASSEMBLY – 60HZ (See Page 38)								
16	P-5400	ADAPTER SWIVL3 /4FPTX3/4HOSEBRB	ALL	1	1	1	1	1	1	1
17	P15-0150	CLAMP WIRE	ALL	7	7	7	7	7	7	7
18	P-5500	HOSE DRAIN .75 ID TRAP	ALL	7	7	7	7	7	7	7
20	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
22	H-0450	SENSOR SAFETY THOPN-RISE 225F	ALL	1	1	1	1	1	1	1
32	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	1	1	1	1	1	1	1
33	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	7 ft.	7 ft.	7 ft.	7 ft.	7 ft.	7 ft.	7 ft.
36	1C10997P1	DUCT HUM	380-3-50/60Hz	1						
	F30-0550	DUCT HUM LWR FR&BR V 6//22T	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

4.1.2. Infrared w / Condensate Pump



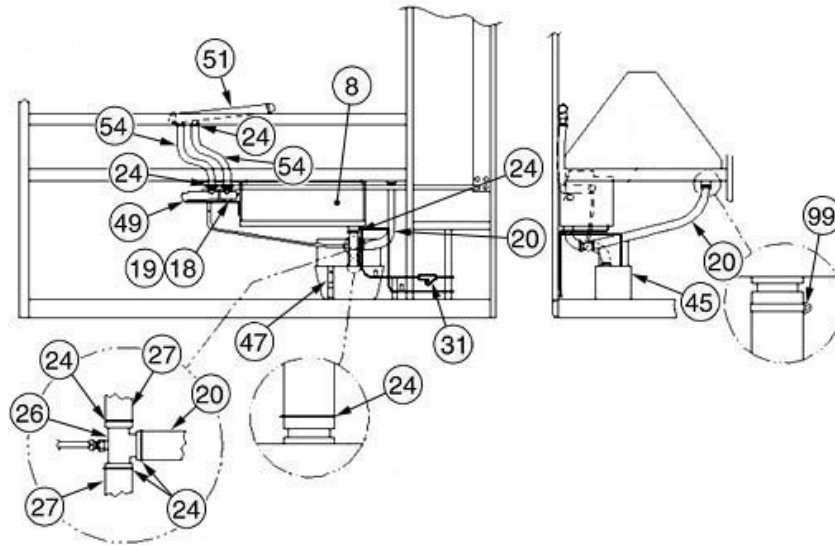
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8a		HUMIDIFIER BULB ASSEMBLY – 50HZ (See Page 36)								
8b		HUMIDIFIER BULB ASSEMBLY – 60HZ (See Page 38)								
22	1C11305P1	HOSE DRAIN .75 ID FORMED	ALL	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft
23	P15-0150	CLAMP WIRE	ALL	7	7	7	7	7	7	7
24	P-5510	HOSE DRAIN .75 ID FORMED	ALL	1	1	1	1	1	1	1
26	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575	1	1	1	1	1	1	1
	1C19034P1	PUMP CONDENSATE 460 W/WIRE	380//460	1	1	1	1	1	1	1
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230/575	1	1	1	1	1	1	1
	1A19271P2	PUMP CONDENSATE 460/1/60DF	380//460	1	1	1	1	1	1	1
NOTE: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units. 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.										
27	F20-2300	BRKT COND PUMP ADJ-PART B	ALL	4	4	4	4	4	4	4
37	F30-0550	DUCT HUM LWR FR&BR V 6//22T	ALL	1	1	1	1	1	1	1
38	H-0450	SENSOR SAFETY THOPN-RISE 225F	ALL	1	1	1	1	1	1	1
39	P-5400	ADAPTER SWIVL3 /4FPTX3/4HOSEBRB	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

4.1.3. Steam Gen w/o Condensate Pump



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8		STEAM GENERATOR HUMIDIFIER ASSEMBLY (See Page 42)								
18	1A21071P1	HOSE STEAM 1.25ID 10PSI	ALL	1	1	1	1	1	1	1
19	P02-0020	CLAMP HOSE WORM DRIVE .75-1.75	ALL	2	2	2	2	2	2	2
20	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	4.5 ft.	4.5 ft.	4.5 ft.	7.0 ft.	7.0 ft.	7.0 ft.	7.0 ft.
21	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
22	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	2	2	2	2	2	2	2
24	P15-0150	CLAMP WIRE	ALL	16	16	16	16	16	16	16
25	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
26	121965P1	FTG CROSS 3/8HOSE X 3/8TUB STR	ALL	1	1	1	1	1	1	1
27	P-5510	HOSE DRAIN .75 ID FORMED	ALL	1	1	1	1	1	1	1
31	H-0390	STRAINER"Y" BRASS 1/4FPT	ALL	1	1	1	1	1	1	1
43	177481G2	MANIFOLD STM GEM DX VFR SINGLE	ALL	1	1	1				
	177481G1	MANIFOLD STM GEM DX VFR DUAL	ALL				1	1	1	1
	130916P1	CLAMP NON-INSULATED 7/8 DIA	ALL	2	2	2	2	2	2	2
	130916P2	CLAMP NON-INSULATED 1-1/8 DIA	ALL	2	2	2	2	2	2	2
45	123560G1	HUMDFR MANIFOLD STEAM SYS3 V	ALL				1	1	1	1
	123560G2	HUMDFR MANIFOLD STEAM SYS3 V	ALL	1	1	1				
48	1A11359P1	SGH STM SUPPLY HOSE 7/8" ID	ALL	3	3	3	6	6	6	6
50	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

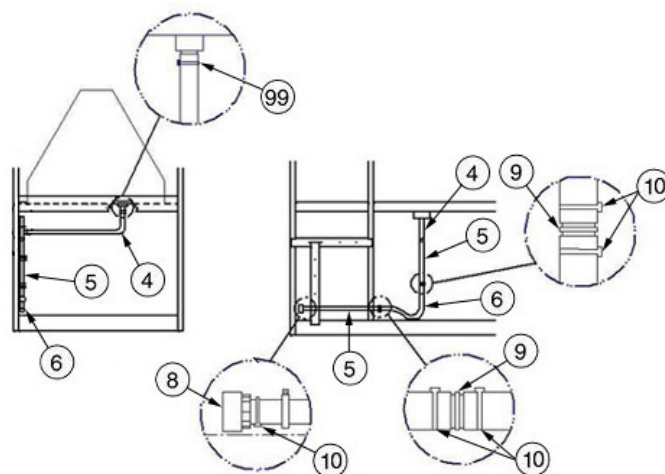
4.1.4. Steam Gen w / Condensate Pump



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8		STEAM GENERATOR HUMIDIFIER ASSEMBLY (See Page 42)								
18	1A21071P1	HOSE STEAM 1.25ID 10PSI	ALL	1	1	1	1	1		1
19	P02-0020	CLAMP HOSE WORM DRIVE .75-1.75	ALL	2	2	2	2	2		2
20	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	2.0 ft.	2.0 ft.	2.0 ft.	2.5 ft.	2.5 ft.	2.5 ft.	2.5 ft.
24	P15-0150	CLAMP WIRE	ALL	9	9	9	9	9	9	9
26	121965P1	FTG CROSS 3/8HOSE X 3/8TUB STR	ALL	1	1	1	1	1	1	1
27	P-5510	HOSE DRAIN .75 ID FORMED	ALL	1	1	1	1	1	1	1
31	H-0390	STRAINER"Y" BRASS 1/4FPT	ALL	1	1	1	1	1	1	1
45	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575	1	1	1	1	1	1	1
	1C19034P1	PUMP CONDENSATE 460 W/WIRE	460	1	1	1	1	1	1	1
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230/575	1	1	1	1	1	1	1
	1A19271P2	PUMP CONDENSATE 460/1/60DF	460	1	1	1	1	1	1	1
Note: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units. 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.										
47	F20-2300	BRKT COND PUMP ADJ-PART B	ALL	5	5	5	5	5		5
49	177481G2	MANIFOLD STM GEM DX VFR SINGLE	ALL	1	1	1				
	177481G1	MANIFOLD STM GEM DX VFR DUAL	ALL				1	1	1	1
	130916P2	CLAMP NON-	ALL	2	2	2	2	2	2	2

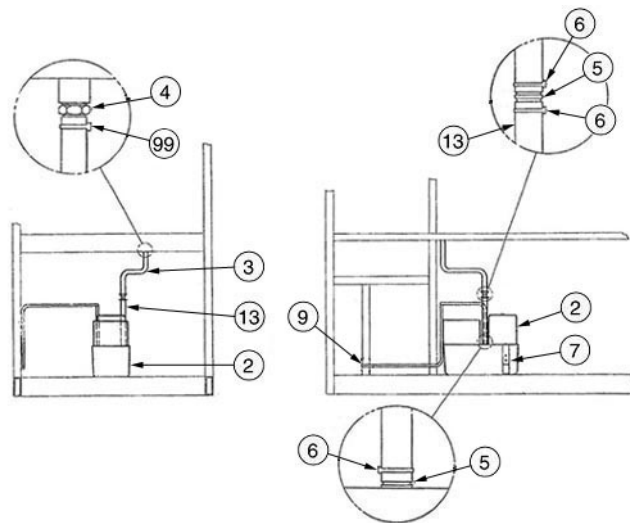
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
		INSULATED 1-1/8 DIA								
51	123560G1	HUMDFR MANIFOLD STEAM SYS3 V	ALL				1	1	1	1
	123560G2	HUMDFR MANIFOLD STEAM SYS3 V	ALL	1	1	1				
54	1A11359P1	SGH STM SUPPLY HOSE 7/8" ID	ALL	3	3	3	6	6	6	6
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

4.1.5. No Hum. Drain w/o Condensate Pump



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
4	1C11305P1	HOSE DRAIN .75 ID FORMED	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
5	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
6	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
8	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
9	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	2	2	2	2	2	2	2
10	P15-0150	CLAMP WIRE	ALL	8	8	8	8	8	8	8
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

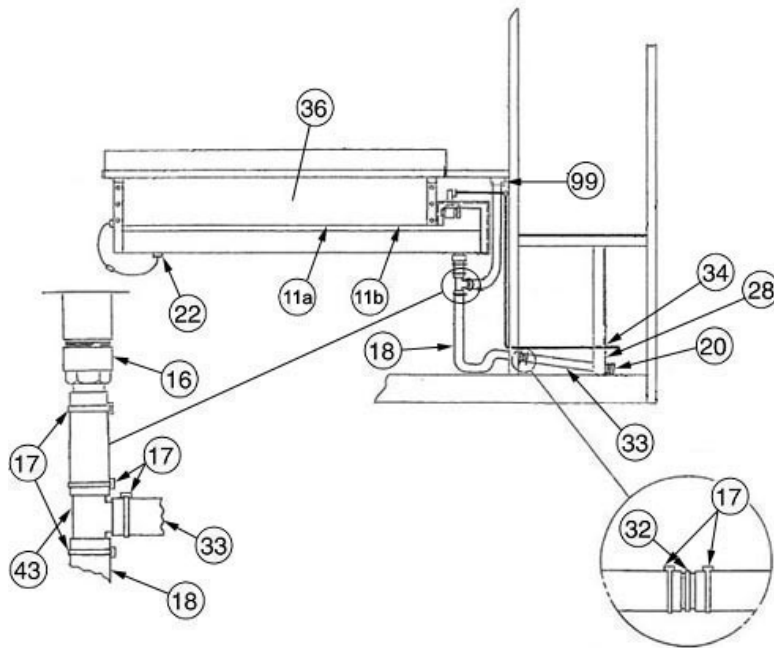
4.1.6. No Hum. Drain w/ Condensate Pump



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
2	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575	1	1	1	1	1	1	1
	NOTE: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1C19034P1	PUMP CONDENSATE 460 W/WIRE	460	1	1	1	1	1	1	1
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230/575	1	1	1	1	1	1	1
	NOTE: 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1A19271P2	PUMP CONDENSATE 460/1/60DF	460	1	1	1	1	1	1	1
3	1C11305P1	HOSE DRAIN .75 ID FORMED	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
4	P15-0210	ADAPTER HOSE NYLON 1/2MP x 3/4BRB	ALL	1	1	1	1	1	1	1
5	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	2	2	2	2	2	2	2
6	P15-0150	CLAMP WIRE	ALL	3	3	3	3	3	3	3
7	F20-2300	BRKT COND PUMP ADJ-PART B	ALL	4	4	4	4	4	4	4
9	P-229C	CLAMP INSULATED METAL 3/8"	ALL	1	1	1	1	1	1	1
13	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

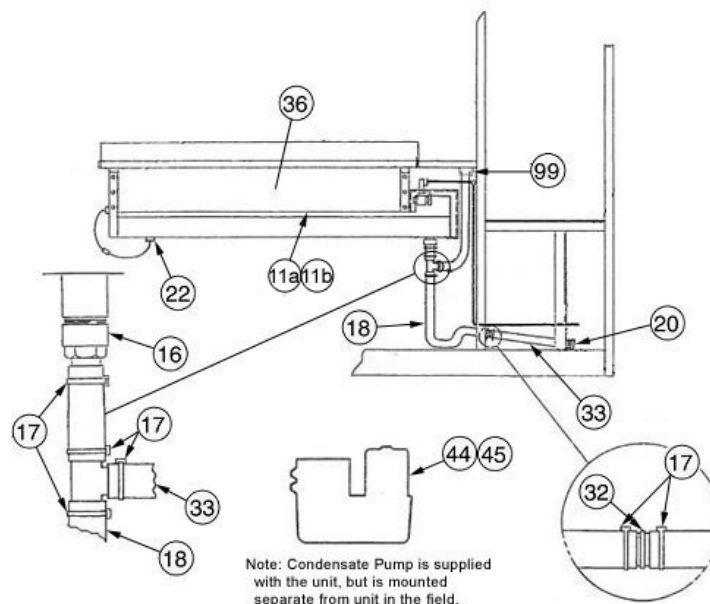
4.2. Water Glycol Cooled

4.2.1. Infrared w/o Condensate Pump



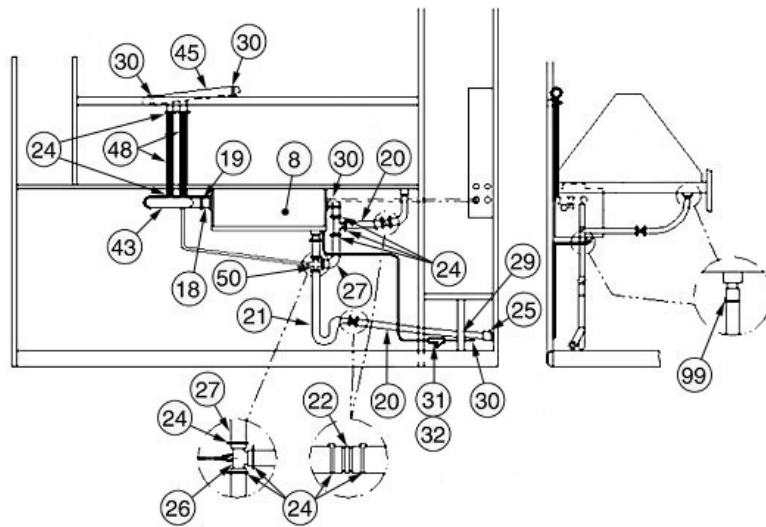
Item #	Part Number	Description	Volts	72G 75A 86W	110G	116G	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
					111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
11a		HUMIDIFIER BULB ASSEMBLY – 50HZ (See Page 36)								
11b		HUMIDIFIER BULB ASSEMBLY – 60HZ (See Page 38)								
16	P-5400	ADAPTER SWIVL3/4FPTX3/4HOSEBRB	ALL	1	1	1	1	1	1	1
17	P15-0150	CLAMP WIRE	ALL	7	7	7	7	7	7	7
18	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
20	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
22	H-0450	SENSOR SAFETY THOPN-RISE 225F	ALL	1	1	1	1	1	1	1
28	S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8"	ALL	1	1	1	1	1	1	1
32	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	1	1	1	1	1	1	1
33	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	3.5 ft.	4.2 ft.	4.2 ft.	4.2 ft.	4.2 ft.	4.2 ft.	4.2 ft.
34	P-229A	CLAMP INSULATED METAL 1/4"	ALL	1	1	1	1	1	1	1
36	1C10997P1	DUCT HUM	380-3-50/60Hz	1						
	F30-0550	DUCT HUM LWR FR&BR V 6//22T	ALL	1	1	1	1	1	1	1
43	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

4.2.2. Infrared w / Condensate Pump



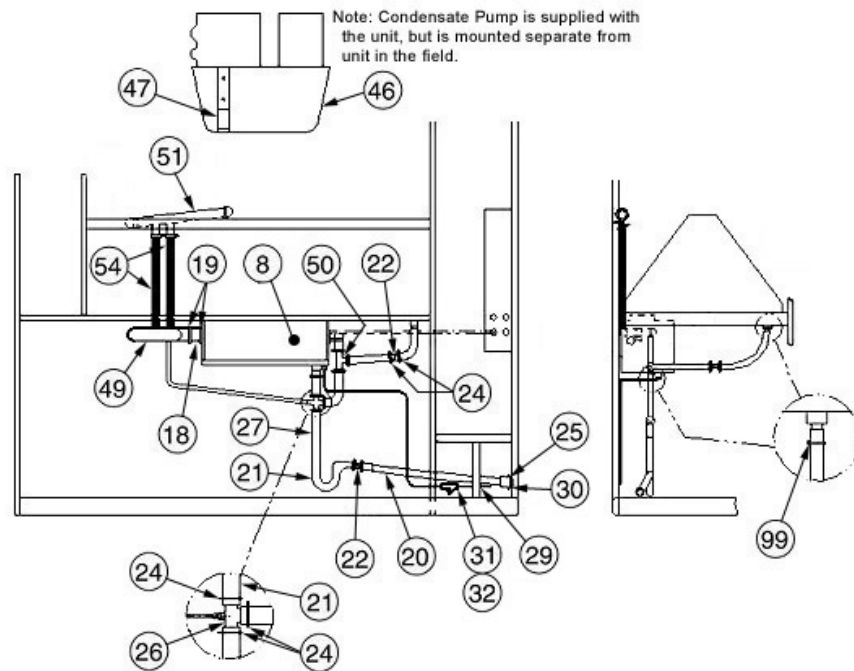
Item #	Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
				75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
11a		HUMIDIFIER BULB ASSEMBLY – 50HZ (See Page 36)								
11b		HUMIDIFIER BULB ASSEMBLY – 60HZ (See Page 38)								
16	P-5400	ADAPTER SWIVL3/4FPTX3/4HOSEBRB	ALL	1	1	1	1	1	1	1
17	P15-0150	CLAMP WIRE	ALL	7	7	7	7	7	7	7
18	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
20	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
22	H-0450	SENSOR SAFETY THOPN-RISE 225F	ALL	1	1	1	1	1	1	1
28	S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8"	ALL	1	1	1	1	1	1	1
32	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	1	1	1	1	1	1	1
33	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	3.5 ft.	4.2 ft.	4.2 ft.	4.2 ft.	4.2 ft.	4.2 ft.	4.2 ft.
34	P-229A	CLAMP INSULATED METAL 1/4"	ALL	1	1	1	1	1	1	1
36	F30-0550	DUCT HUM LWR FR&BR V 6//22T	ALL	1	1	1	1	1	1	1
43	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
44	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230 /575	1	1	1	1	1	1	1
	NOTE: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1C19034P1	PUMP CONDENSATE 460 W/WIRE	380//460-3-50/60Hz	1	1	1	1	1	1	1
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230 /575	1	1	1	1	1	1	1
	NOTE: 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1A19271P2	PUMP CONDENSATE 460/1/60DF	ALL	1	1	1	1	1	1	1
45	F20-2300	BRKT COND PUMP ADJ-PART B	ALL	4	4	4	4	4	4	4
99	124216P2	CLAMP HOSE WORM DRIVE 31x1 25	ALL	1	1	1	1	1	1	1

4.2.3. Steam Gen w/o Condensate Pump



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8		STEAM GENERATOR HUMIDIFIER ASSEMBLY (See Page 42)								
18	1A21071P1	HOSE STEAM 1.25ID 10PSI	ALL	1	1	1	1	1	1	1
19	P02-0020	CLAMP HOSE WORM DRIVE .75-1.75	ALL	2	2	2	2	2	2	2
20	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	4.5 ft.	4.5 ft.	4.5 ft.	7.0 ft.	7.0 ft.	7.0 ft.	7.0 ft.
21	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
22	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	2	2	2	2	2	2	2
24	P15-0150	CLAMP WIRE	ALL	16	16	16	16	16	16	16
25	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
26	121965P1	FTG CROSS 3/8HOSE X 3/8TUB STR	ALL	1	1	1	1	1	1	1
27	P-5510	HOSE DRAIN .75 ID FORMED	ALL	1	1	1	1	1	1	1
29	P-229A	CLAMP INSULATED METAL 1/4"	ALL	1	1	1	1	1	1	1
30	S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8"	ALL	1	1	1	1	1	1	1
31	H-0390	STRAINER"Y" BRASS 1/4FPT	ALL	1	1	1	1	1	1	1
43	177481G2	MANIFOLD STM GEM DX VFR SINGLE	ALL	1	1	1				
	177481G1	MANIFOLD STM GEM DX VFR DUAL	ALL				1	1	1	1
	130916P2	CLAMP NON-INSULATED 1-1/8 DIA	ALL	1	1	1	1	1	1	1
45	123560G1	HUMDFR MANIFOLD STEAM SYS3 V	ALL				1	1	1	1
	123560G2	HUMDFR MANIFOLD STEAM SYS3 V	ALL	1	1	1				
48	1A11359P1	SGH STM SUPPLY HOSE 7/8" ID	ALL	3	3	3	6	6	6	6
50	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

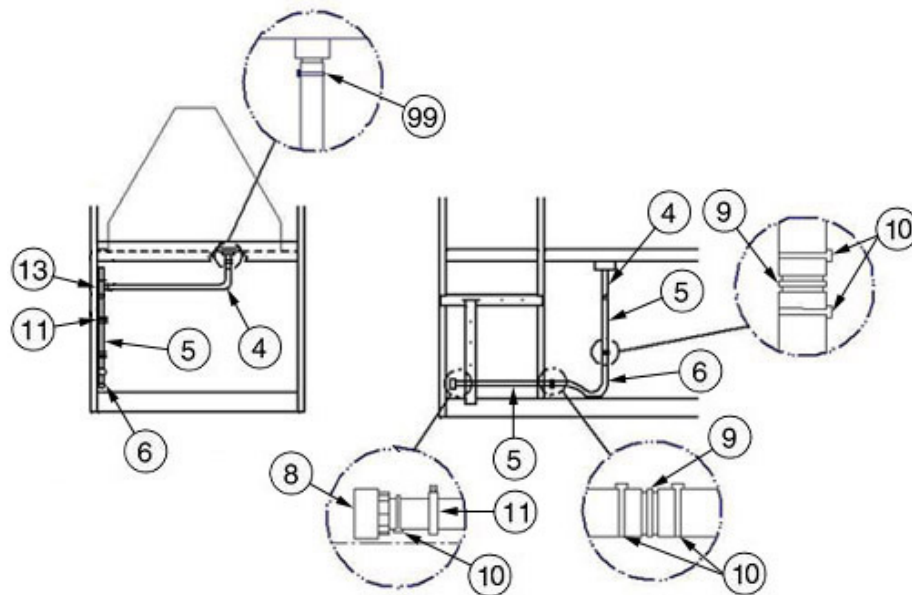
4.2.4. Steam Gen w / Condensate Pump



Item #	Part Number	Description	Volts		72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8		STEAM GENERATOR HUMIDIFIER ASSEMBLY (See Page 42)									
18	1A21071P1	HOSE STEAM 1.25ID 10PSI	ALL	1	1	1	1	1	1	1	1
19	P02-0020	CLAMP HOSE WORM DRIVE .75-1.75	ALL	2	2	2	2	2	2	2	2
20	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	4.5 ft.	4.5 ft.	4.5 ft.	7.0 ft.	7.0 ft.	7.0 ft.	7.0 ft.	7.0 ft.
21	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1	1
22	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	2	2	2	2	2	2	2	2
24	P15-0150	CLAMP WIRE	ALL	16	16	16	16	16	16	16	16
25	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1	1
26	121965P1	FTG CROSS 3/8HOSE X 3/8TUB STR	ALL	1	1	1	1	1	1	1	1
27	P-5510	HOSE DRAIN .75 ID FORMED	ALL	1	1	1	1	1	1	1	1
29	P-229A	CLAMP INSULATED METAL 1/4"	ALL	1	1	1	1	1	1	1	1
30	S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8"	ALL	4	4	4	4	4	4	4	4
31	H-0390	STRAINER"Y" BRASS 1/4FPT	ALL	1	1	1	1	1	1	1	1
32	127781P1	ADAPTER BRASS 1/4COMx1/4MPT	ALL	2	2	2	2	2	2	2	2
46	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575	1	1	1	1	1	1	1	1
	1C19034P1	PUMP	380//460-	1	1	1	1	1	1	1	1

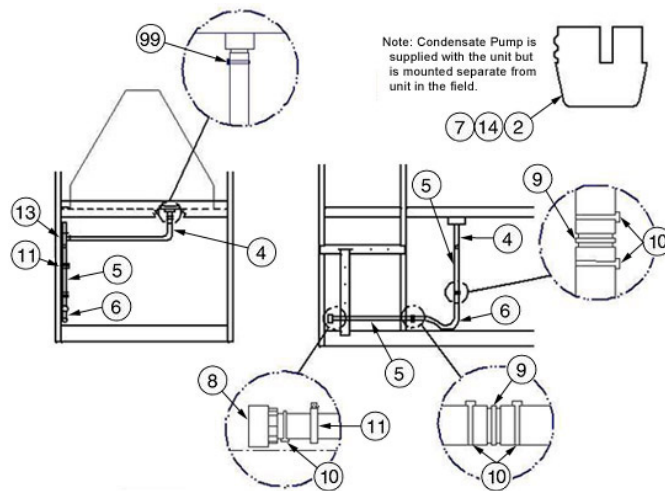
Item #	Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
				75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
		CONDENSATE 460 W/WIRE	3-50/60Hz							
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230/575	1	1	1	1	1	1	1
	1A19271P2	PUMP CONDENSATE 460/1/60DF	380//460-3-50/60Hz	1	1	1	1	1	1	1
	Note: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units. 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.									
47	F20-2300	BRKT COND PUMP ADJ-PART B	ALL	4	4	4	4	4	4	4
49	177481G2	MANIFOLD STM GEM DX VFR SINGLE	ALL	1	1	1				
	177481G1	MANIFOLD STM GEM DX VFR DUAL	ALL				1	1	1	1
	130916P2	CLAMP NON- INSULATED 1-1/8 DIA	ALL	1	1	1	1	1	1	1
50	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
51	123560G1	HUMDFR MANIFOLD STEAM SYS3 V	ALL				1	1	1	1
	123560G2	HUMDFR MANIFOLD STEAM SYS3 V	ALL	1	1	1				
54	1A11359P1	SGH STM SUPPLY HOSE 7/8" ID	ALL	3	3	3	6	6	6	6
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

4.2.5. No Humidifier Drain Section w/o Condensate Pump



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
4	1C11305P1	HOSE DRAIN .75 ID FORMED	ALL	1	1	1	1	1	1	1
5	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
6	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
8	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
9	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	2	2	2	2	2	2	2
10	P15-0150	CLAMP WIRE	ALL	8	8	8	8	8	8	8
11	S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8"	ALL	2	2	2	2	2	2	2
13	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

4.2.6. No Humidifier Drain Section w/ Condensate Pump

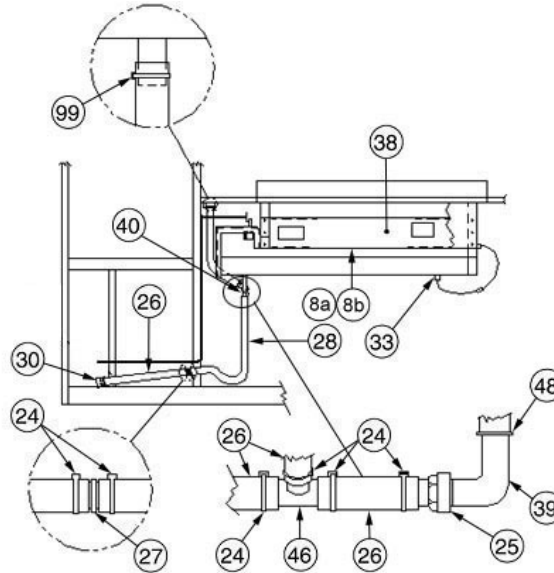


Item #	Part Number	Description	Volts		110G	116G				
					72G 75A 86W	111G 114A 115A 127W 128W				
						121G 125A 130A 138W 143W		192G 199A 219W	240G 245A 267W	265G 290A 315W
										363G 380A 412W
2	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575- 3-60Hz	1	1	1	1	1	1	1
	NOTE: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1C19034P1	PUMP CONDENSATE 460 W/WIRE	380//460-3- 50/60Hz	1	1	1	1	1	1	1
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230/575- 3-60Hz	1	1	1	1	1	1	1
	NOTE: 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1A19271P2	PUMP CONDENSATE 460/1/60DF	380//460-3- 50/60Hz	1	1	1	1	1	1	1
4	1C11305P1	HOSE DRAIN .75 ID FORMED	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
5	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
6	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
7	P15-0210	ADAPTER HSE NYLON 1/2MPX3/4BRB	ALL	1	1	1	1	1	1	1
8	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
9	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	2	2	2	2	2	2	2
	NOTE: 2 Are used on units without Condensate Pumps.									
	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	3	3	3	3	3	3	3
	NOTE: 3 Are used on units with Condensate Pumps.									
10	P15-0150	CLAMP WIRE	ALL	8	8	8	8	8	8	8
11	S13-0140	CLAMP INSUL MTL HVY DTY 1- 1/8"	ALL	2	2	2	2	2	2	2
13	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
14	F20-2300	BRKT COND PUMP ADJ-PART B	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

5. Humidifier Section Bottom /Rear Return

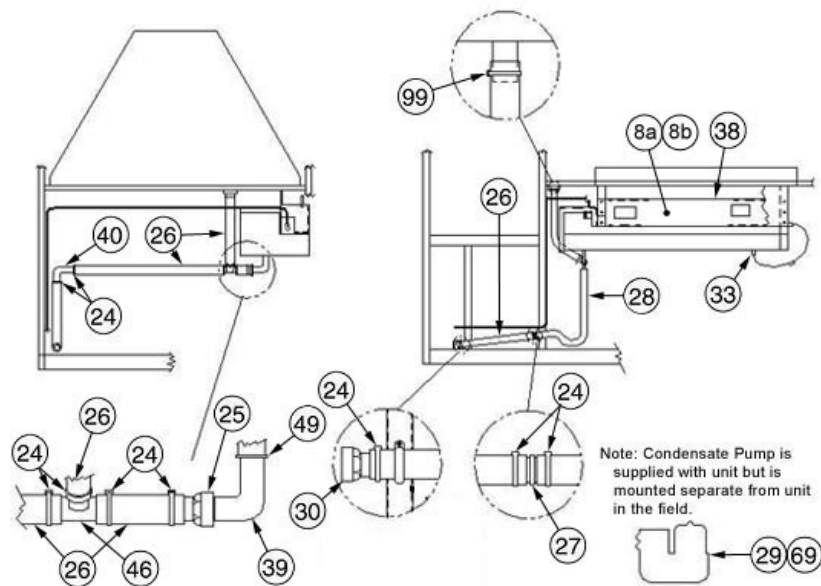
5.1. Air Cooled

5.1.1. Infrared w/o Condensate Pump



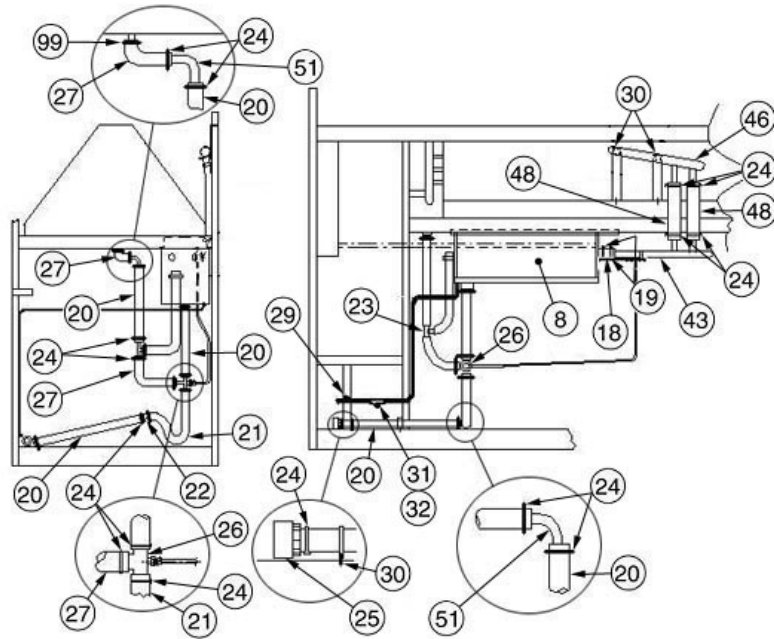
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8a		HUMIDIFIER BULB ASSEMBLY 50HZ (See Page 36)								
8b		HUMIDIFIER BULB ASSEMBLY 60HZ (See Page 38)								
24	P15-0150	CLAMP WIRE	ALL	9	9	9	9	9	9	9
25	P-5400	ADAPTER SWIVL3 /4FPTX3/4HOSEBRB	ALL	1	1	1	1	1	1	1
26	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.
27	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	1	1	1	1	1	1	1
28	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
30	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
33	H-0450	SENSOR SAFETY THOPN-RISE 225F	ALL	1	1	1	1	1	1	1
38	F30-0520	DUCT HUM LWR REAR RTN V 15/20T	ALL	1	1	1	1	1	1	1
	F30-1340	DUCT HUM LWR REAR RTN VERT	380/415- 3-50/60Hz	1						
39	1A12800P1	ELL POLY90 3/4NPTX3/4MPSEMALE	ALL	1	1	1	1	1	1	1
40	P15-0110	ELL NYLON 90 3/4BARB X 3/4BARB	ALL	1	1	1	1	1	1	1
46	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
48	175025P1	WASHER DRAIN.88IDx1.38ODx.19	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

5.1.2. Infrared w / Condensate Pump



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8a		HUMIDIFIER BULB ASSEMBLY 50HZ (See Page 36)								
8b		HUMIDIFIER BULB ASSEMBLY 60HZ (See Page 38)								
24	P15-0150	CLAMP WIRE	ALL	9	9	9	9	9	9	9
25	P-5400	ADAPTER SWIVL3 /4FPTX3/4HOSEBRB	ALL	1	1	1	1	1	1	1
26	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.
27	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	1	1	1	1	1	1	1
28	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
29	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575-3-60Hz	1	1	1	1	1	1	1
	NOTE: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1C19034P1	PUMP CONDENSATE 460 W/WIRE	380//460-3-50/60Hz	1	1	1	1	1	1	1
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230/575	1	1	1	1	1	1	1
	NOTE: 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1A19271P2	PUMP CONDENSATE 460/1/60DF	380//460-3-50/60Hz	1	1	1	1	1	1	1
30	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
33	H-0450	SENSOR SAFETY THOPN-RISE 225F	ALL	1	1	1	1	1	1	1
38	F30-0520	DUCT HUM LWR REAR RTN V 15/20T	ALL	1	1	1	1	1	1	1
39	1A12800P1	ELL POLY90 3/4NPTX3/4MPSFEMALE	ALL	1	1	1	1	1	1	1
40	P15-0110	ELL NYLON 90 3/4BARB X 3/4BARB	ALL	1	1	1	1	1	1	1
46	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
49	175025P1	WASHER DRAIN.88IDx1.38ODx.19	ALL	1	1	1	1	1	1	1
69	F20-2300	BRKT COND PUMP ADJ-PART B	ALL	4	4	4	4	4	4	4
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

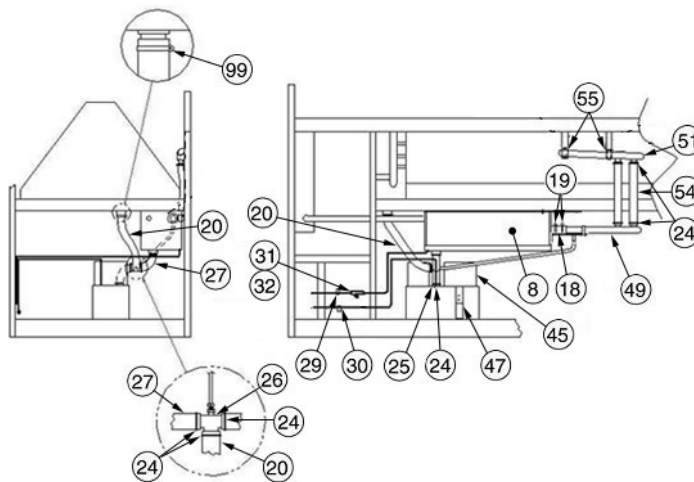
5.1.3. Steam Gen w/o Condensate Pump



Item #	Part Number	Description	Volts							
				72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8		STEAM GENERATOR HUMIDIFIER ASSEMBLY (See Page 42)								
18	1A21071P1	HOSE STEAM 1.25ID 10PSI	ALL	1	1	1	1	1	1	1
19	P02-0020	CLAMP HOSE WORM DRIVE .75-1.75	ALL	2	2	2	2	2	2	2
20	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	4.0 ft.	4.0 ft.	4.0 ft.	4.5 ft.	4.5 ft.	4.5 ft.	4.5 ft.
21	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
22	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	1	1	1	1	1	1	1
23	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
24	P15-0150	CLAMP WIRE	ALL	18	18	18	18	18	18	18
25	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
26	121965P1	FTG CROSS 3/8HOSE X 3/8TUB STR	ALL	1	1	1	1	1	1	1
27	P-5510	HOSE DRAIN .75 ID FORMED	ALL	2	2	2	2	2	2	2
29	P-229A	CLAMP INSULATED METAL 1/4"	ALL	1	1	1	1	1	1	1
30	S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8"	ALL	4	4	4	4	4	4	4
31	H-0390	STRAINER"Y" BRASS 1/4FPT	ALL	1	1	1	1	1	1	1
32	127781P1	ADAPTER BRASS 1/4COMx1/4MPT	ALL	2	2	2	2	2	2	2
43	123564G1	HUMDFR MANIFOLD STEAM SYS3 VRR	ALL	1	1	1				
	123562G1	HUMDFR MANIFOLD STEAM SYS3 VRR	ALL				1	1	1	1
	130916P2	CLAMP NON-INSULATED 1-1/8 DIA	ALL	1	1	1	1	1	1	1
46	123560G1	HUMDFR MANIFOLD STEAM SYS3 V	ALL				1	1	1	1
	123560G2	HUMDFR MANIFOLD STEAM SYS3 V	ALL	1	1	1				
48	1A11359P1	SGH STM SUPPLY HOSE 7/8" ID	ALL	3	3	3	6	6	6	6

Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
51	P15-0110	ELL NYLON 90 3/4BARB X 3/4BARB	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

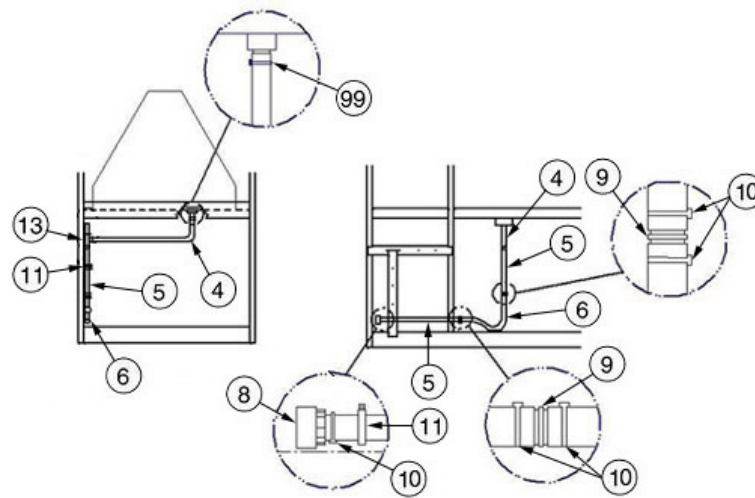
5.1.4. Steam Gen w/ Condensate Pump



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8		STEAM GENERATOR HUMIDIFIER ASSEMBLY (See Page 42)								
18	1A21071P1	HOSE STEAM 1.25ID 10PSI	ALL	1	1	1	1	1	1	1
19	P02-0020	CLAMP HOSE WORM DRIVE .75-1.75	ALL	2	2	2	2	2	2	2
20	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	2.0 ft.	2.0 ft.	2.0 ft.	2.5 ft.	2.5 ft.	2.5 ft.	2.5 ft.
24	P15-0150	CLAMP WIRE	ALL	9	9	9	9	9	9	9
25	P15-0210	ADAPTER HOSE NYLON 1/2MP x 3/4BRB	ALL	1	1	1	1	1	1	1
26	121965P1	FTG CROSS 3/8HOSE X 3/8TUB STR	ALL	1	1	1	1	1	1	1
27	P-5510	HOSE DRAIN .75 ID FORMED	ALL	1	1	1	1	1	1	1
29	P-229A	CLAMP INSULATED METAL 1/4"	ALL	2	2	2	2	2	2	2
30	P-2290	CLAMP INSULATED METAL 1/2"	ALL	2	2	2	2	2	2	2
31	H-0390	STRAINER"Y" BRASS 1/4FPT	ALL	1	1	1	1	1	1	1
32	127781P1	ADAPTER BRASS 1/4COMx1/4MPT	ALL	2	2	2	2	2	2	2
45	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/5 75-3-60Hz	1	1	1	1	1	1	1
	NOTE: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1C19034P1	PUMP CONDENSATE 460 W/WIRE	380//460- 3-50/60Hz	1	1	1	1	1	1	1
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230/5 75-3-60Hz	1	1	1	1	1	1	1
	NOTE: 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1A19271P2	PUMP CONDENSATE 460/1/60DF	380//460- 3-50/60Hz	1	1	1	1	1	1	1
47	F20-2300	BRKT COND PUMP ADJ- PART B	ALL	5	5	5	5	5	5	5
49	123564G1	HUMDFR MANIFOLD	ALL	1	1	1				

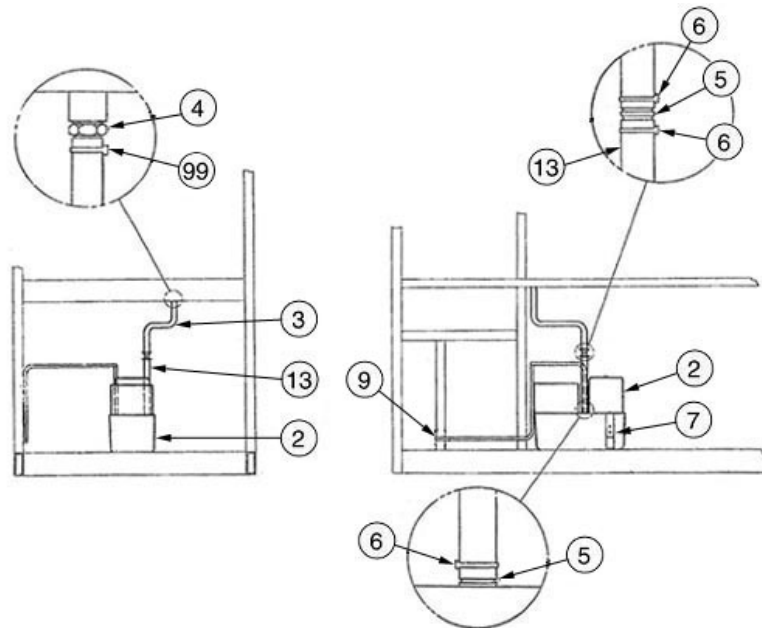
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
		STEAM SYS3 VRR								
	123562G1	HUMDFR MANIFOLD STEAM SYS3 VRR	ALL				1	1	1	1
	130916P2	CLAMP NON-INSULATED 1-1/8 DIA	ALL	1	1	1	1	1	1	1
51	123560G1	HUMDFR MANIFOLD STEAM SYS3 V	ALL				1	1	1	1
	123560G2	HUMDFR MANIFOLD STEAM SYS3 V	ALL	1	1	1				
54	1A11359P1	SGH STM SUPPLY HOSE 7/8" ID	ALL	3	3	3	6	6	6	6
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

5.1.5. No Humidifier Drain w/o Condensate Pump



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
4	1C11305P1	HOSE DRAIN .75 ID FORMED	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
5	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
6	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
8	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
9	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	2	2	2	2	2	2	2
10	P15-0150	CLAMP WIRE	ALL	8	8	8	8	8	8	8
11	S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8"	ALL	2	2	2	2	2	2	2
13	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

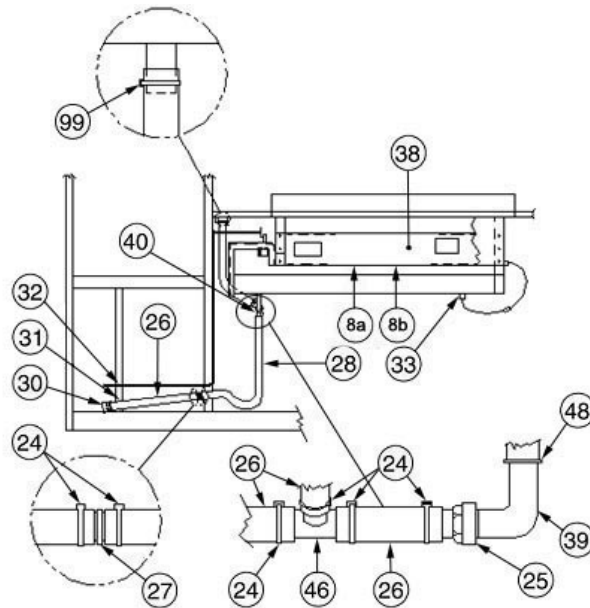
5.1.6. No Humidifier Drain w/ Condensate Pump



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
2	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575 -3-60Hz	1	1	1	1	1	1	1
	NOTE: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1C19034P1	PUMP CONDENSATE 460 W/WIRE	380//460-3- 50/60Hz	1	1	1	1	1	1	1
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230/575 -3-60Hz	1	1	1	1	1	1	1
	NOTE: 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1A19271P2	PUMP CONDENSATE 460/1/60DF	380//460-3- 50/60Hz	1	1	1	1	1	1	1
3	1C11305P1	HOSE DRAIN .75 ID FORMED	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
4	P15-0210	ADAPTER HOSE NYLON 1/2MP x 3/4BRB	ALL	1	1	1	1	1	1	1
5	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	2	2	2	2	2	2	2
6	P15-0150	CLAMP WIRE	ALL	3	3	3	3	3	3	3
7	F20-2300	BRKT COND PUMP ADJ-PART B	ALL	4	4	4	4	4	4	4
9	P-229C	CLAMP INSULATED METAL 3/8"	ALL	1	1	1	1	1	1	1
13	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

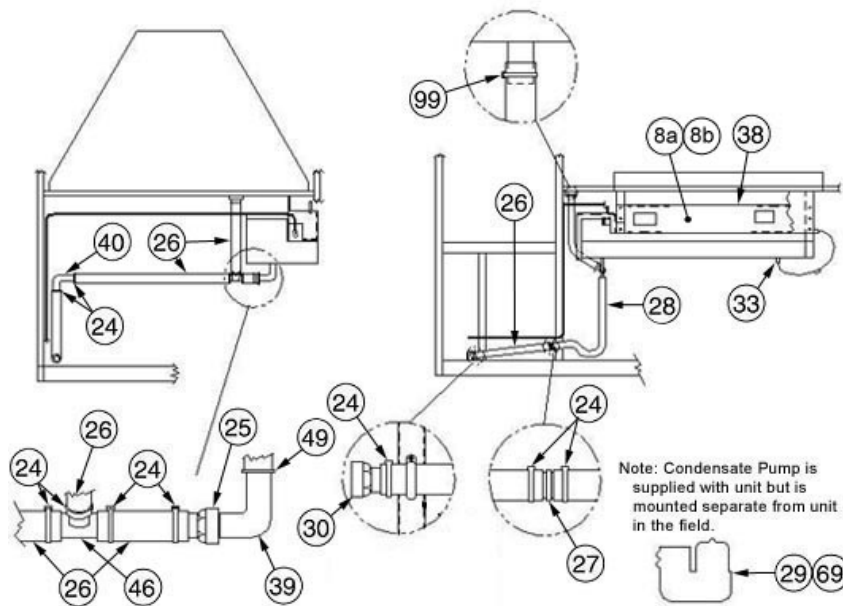
5.2. Water Glycol Cooled

5.2.1. Infrared w/o Condensate Pump



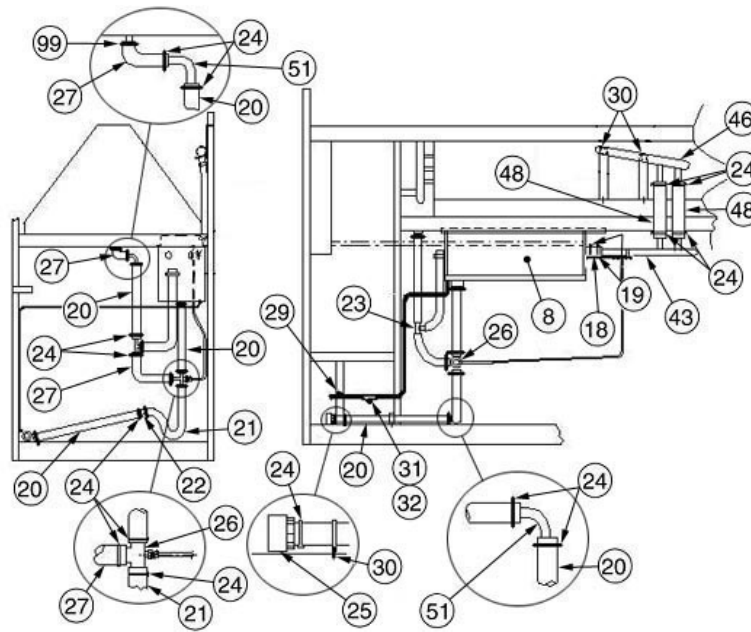
Item #	Part Number	Description	Volts		110G	116G				
				72G 75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8a		HUMIDIFIER BULB ASSEMBLY 50HZ (See Page 36)								
8b		HUMIDIFIER BULB ASSEMBLY 60HZ (See Page 38)								
24	P15-0150	CLAMP WIRE	ALL	9	9	9	9	9	9	9
25	P-5400	ADAPTER SWIVL3 /4FPTX3/4HOSEBRB	ALL	1	1	1	1	1	1	1
26	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	4.2 ft.	4.2 ft.	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.
27	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	1	1	1	1	1	1	1
28	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
30	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
31	S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8"	ALL	1	1	1	1	1	1	1
32	P-229A	CLAMP INSULATED METAL 1/4"	ALL	1	1	1	1	1	1	1
33	H-0450	SENSOR SAFETY THOPN-RISE 225F	ALL	1	1	1	1	1	1	1
38	F30-0520	DUCT HUM LWR REAR RTN V 15/20T	ALL	1	1	1	1	1	1	1
	F30-1340	DUCT HUM LWR REAR RTN VERT	380/415-3-50/60Hz	1						
39	1A12800P1	ELL POLY90 3/4NPTX3/4MPSFEMALE	ALL	1	1	1	1	1	1	1
40	P15-0110	ELL NYLON 90 3/4BARB X 3/4BARB	ALL	1	1	1	1	1	1	1
46	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
48	175025P1	WASHER DRAIN.88IDx1.38ODx.19	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

5.2.2. Infrared w / Condensate Pump



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8a		HUMIDIFIER BULB ASSEMBLY 50HZ (See Page 36)								
8b		HUMIDIFIER BULB ASSEMBLY 60HZ (See Page 38)								
24	P15-0150	CLAMP WIRE	ALL	9	9	9	9	9	9	9
25	P-5400	ADAPTER SWIVL3 /4FPTX3/4HOSEBRB	ALL	1	1	1	1	1	1	1
26	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.	4.3 ft.
27	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	1	1	1	1	1	1	1
28	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
29	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575-3-60Hz	1	1	1	1	1	1	1
	NOTE: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1C19034P1	PUMP CONDENSATE 460 W/WIRE	380//460-3-50/60Hz	1	1	1	1	1	1	1
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230/575-3-60Hz	1	1	1	1	1	1	1
	NOTE: 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.									
29	1A19271P2	PUMP CONDENSATE 460/1/60DF	380//460-3-50/60Hz	1	1	1	1	1	1	1
30	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
33	H-0450	SENSOR SAFETY THOPN-RISE 225F	ALL	1	1	1	1	1	1	1
38	F30-0520	DUCT HUM LWR REAR RTN V 15/20T	ALL	1	1	1	1	1	1	1
39	1A12800P1	ELL POLY90 3/4NPTX3/4MPSFEMALE	ALL	1	1	1	1	1	1	1
40	P15-0110	ELL NYLON 90 3/4BARB X 3/4BARB	ALL	1	1	1	1	1	1	1
46	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
49	175025P1	WASHER DRAIN.88IDx1.38ODx.19	ALL	1	1	1	1	1	1	1
69	F20-2300	BRKT COND PUMP ADJ-PART B	ALL	4	4	4	4	4	4	4
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

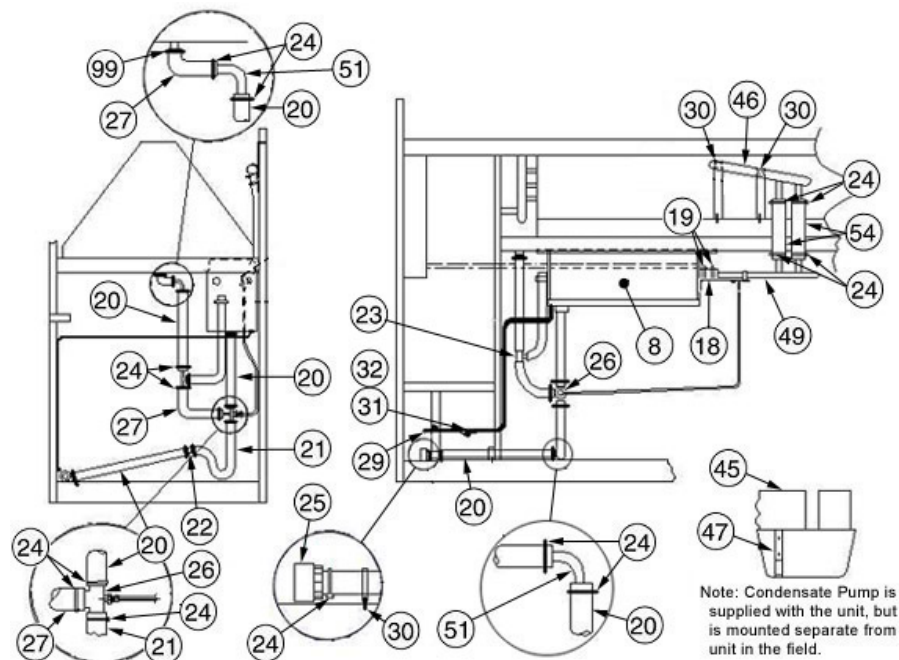
5.2.3. Steam Gen w/o Condensate Pump



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8		STEAM GENERATOR ASSEMBLY (See Page 42)								
18	1A21071P1	HOSE STEAM 1.25ID 10PSI	ALL	1	1	1	1	1	1	1
19	P02-0020	CLAMP HOSE WORM DRIVE .75-1.75	ALL	2	2	2	2	2	2	2
20	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	4.0 ft.	4.0 ft.	4.0 ft.	4.5 ft.	4.5 ft.	4.5 ft.	4.5 ft.
21	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
22	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	1	1	1	1	1	1	1
23	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
24	P15-0150	CLAMP WIRE	ALL	18	18	18	18	18	18	18
25	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
26	121965P1	FTG CROSS 3/8HOSE X 3/8TUB STR	ALL	1	1	1	1	1	1	1
27	P-5510	HOSE DRAIN .75 ID FORMED	ALL	2	2	2	2	2	2	2
29	P-229A	CLAMP INSULATED METAL 1/4"	ALL	1	1	1	1	1	1	1
30	S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8"	ALL	4	4	4	4	4	4	4
31	H-0390	STRAINER"Y" BRASS 1/4FPT	ALL	1	1	1	1	1	1	1
32	127781P1	ADAPTER BRASS 1/4COMx1/4MPT	ALL	2	2	2	2	2	2	2
43	123564G1	HUMDFR MANIFOLD STEAM SYS3 VRR	ALL	1	1	1				
	123562G1	HUMDFR MANIFOLD STEAM SYS3 VRR	ALL				1	1	1	1
	130916P2	CLAMP NON-INSULATED 1-1/8 DIA	ALL	1	1	1	1	1	1	1
46	123560G1	HUMDFR MANIFOLD STEAM SYS3 V	ALL				1	1	1	1
	123560G2	HUMDFR MANIFOLD STEAM SYS3 V	ALL	1	1	1				
48	1A11359P1	SGH STM SUPPLY HOSE 7/8" ID	ALL	3	3	3	6	6	6	6

Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
51	P15-0110	ELL NYLON 90 3/4BARB X 3/4BARB	ALL	2	2	2	2	2	2	2
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

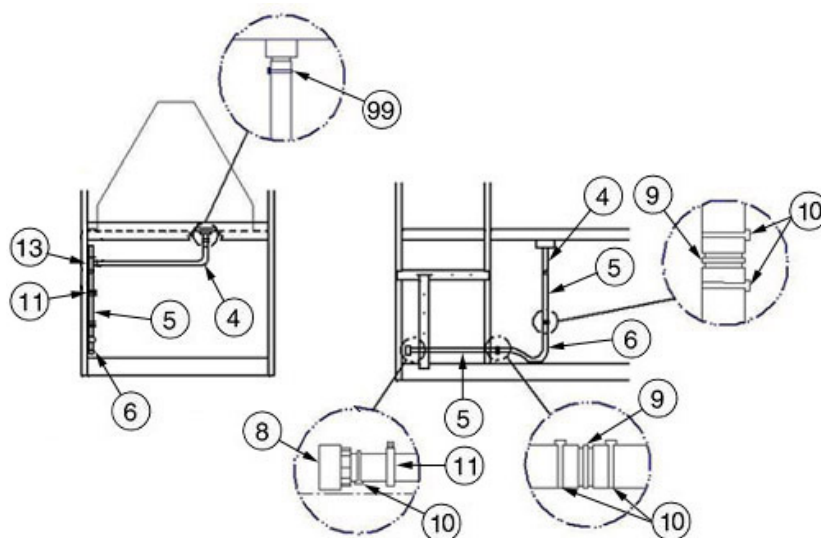
5.2.4. Steam Gen w/ Condensate Pump



Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
8		STEAM GENERATOR HUMIDIFIER ASSEMBLY (See Page 42)								
18	1A21071P1	HOSE STEAM 1.25ID 10PSI	ALL	1	1	1	1	1	1	1
19	P02-0020	CLAMP HOSE WORM DRIVE .75-1.75	ALL	2	2	2	2	2	2	2
20	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	3.5 ft.	4.2 ft.	4.2 ft.	4.2 ft.	4.2 ft.	4.2 ft.	4.2 ft.
21	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
22	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	1	1	1	1	1	1	1
23	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
24	P15-0150	CLAMP WIRE	ALL	14	14	14	14	14	14	14
25	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
26	121965P1	FTG CROSS 3/8HOSE X 3/8TUB STR	ALL	1	1	1	1	1	1	1
27	P-5510	HOSE DRAIN .75 ID FORMED	ALL	1	1	1	1	1	1	1
29	P-229A	CLAMP	ALL	1	1	1	1	1	1	1

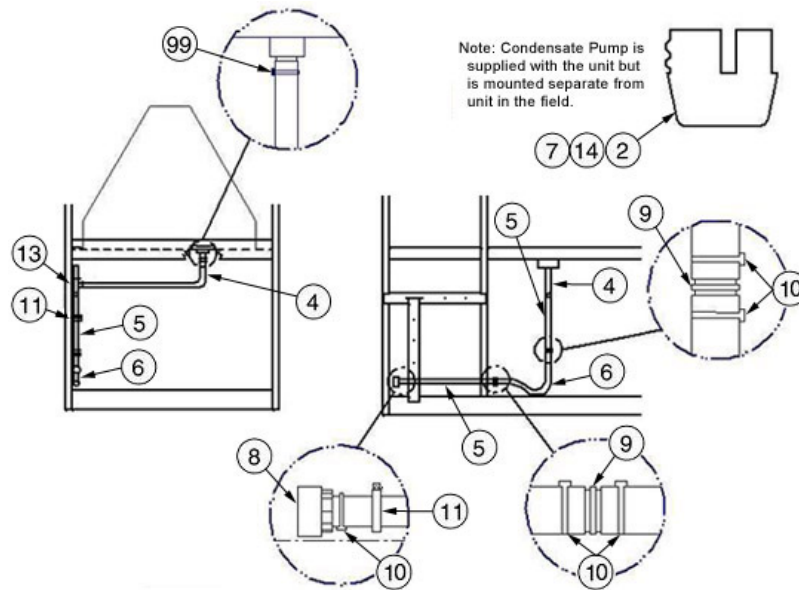
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
		INSULATED METAL 1/4"								
30	S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8"	ALL	4	4	4	4	4	4	4
31	H-0390	STRAINER"Y" BRASS 1/4FPT	ALL	1	1	1	1	1	1	1
32	127781P1	ADAPTER BRASS 1/4COMx1/4MPT	ALL	2	2	2	2	2	2	2
45	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575-3-60Hz	1	1	1	1	1	1	1
	NOTE: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1C19034P1	PUMP CONDENSATE 460 W/WIRE	380//460-3-50/60Hz	1	1	1	1	1	1	1
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230/575-3-60Hz	1	1	1	1	1	1	1
	NOTE: 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.									
46	123560G1	HUMDFR MANIFOLD STEAM SYS3 V	ALL				1	1	1	1
	123560G2	HUMDFR MANIFOLD STEAM SYS3 V	ALL	1	1	1				
47	F20-442300	BRKT COND PUMP ADJ-PART B	ALL	4	4	4	4	4	4	4
49	123564G1	HUMDFR MANIFOLD STEAM SYS3 VRR	ALL	1	1	1				
	123562G2	HUMDFR MANIFOLD STEAM SYS3 VRR	ALL				1	1	1	1
	130916P2	CLAMP NON-INSULATED 1-1/8 DIA	ALL	1	1	1	1	1	1	1
51	P15-0110	ELL NYLON 90 3/4BARB X 3/4BARB	ALL				1	1	1	1
54	1A11359P1	SGH STM SUPPLY HOSE 7/8" ID	ALL	3	3	3	6	6	6	6
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

5.2.5. No Humidifier Drain w/o Condensate Pump



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
4	1C11305P1	HOSE DRAIN .75 ID FORMED	ALL	1	1	1	1	1	1	1
5	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
6	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
8	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
9	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	2	2	2	2	2	2	2
10	P15-0150	CLAMP WIRE	ALL	8	8	8	8	8	8	8
11	S13-0140	S13-0140	ALL	2	2	2	2	2	2	2
13	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

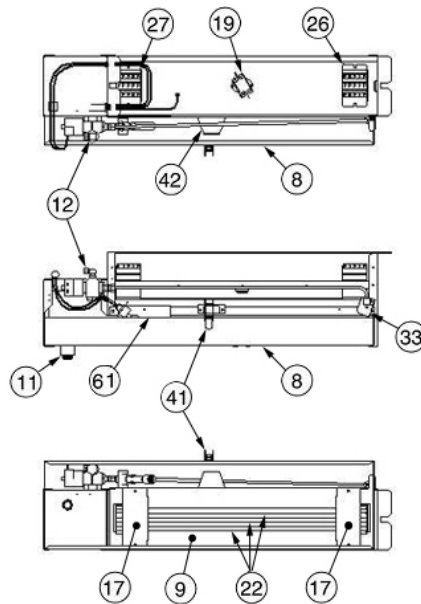
5.2.6. No Humidifier Drain w/ Condensate Pump



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
2	X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575-3-60Hz	1	1	1	1	1	1	1
	NOTE: X-015A Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1C19034P1	PUMP CONDENSATE 460 W/WIRE	380//460-3-50/60Hz	1	1	1	1	1	1	1
	1A19271P1	PUMP CONDENSATE 208/230/1/60DF	208/230/575-3-60Hz	1	1	1	1	1	1	1
	NOTE: 1A19271P1 Condensate Pump requires a step-down XFMR for 575 Volt units.									
	1A19271P2	PUMP CONDENSATE 460/1/60DF	380//460-3-50/60Hz	1	1	1	1	1	1	1
4	1C11305P1	HOSE DRAIN .75 ID FORMED	ALL	1	1	1	1	1	1	1
5	P15-0170	HOSE DRAIN .75 ID STRAIGHT	ALL	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.	1 ft.
6	P-5500	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1	1	1	1
7	P15-0210	ADAPTER HSE NYLON 1/2MPX3/4BRB	ALL	1	1	1	1	1	1	1
8	P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1	1	1	1
9	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	2	2	2	2	2	2	2
	NOTE: 2 Are used on units without Condensate Pumps.									
	P15-0140	UNION NYLON 3/4 BARB x 3/4 BARB	ALL	3	3	3	3	3	3	3
NOTE: 3 Are used on units with Condensate Pumps.										
10	P15-0150	CLAMP WIRE	ALL	8	8	8	8	8	8	8
11	S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8"	ALL	2	2	2	2	2	2	2
13	1A16207P1	TEE BARB 3/4x3/4x3/4	ALL	1	1	1	1	1	1	1
14	F20-2300	BRKT COND PUMP ADJ-PART B	ALL	1	1	1	1	1	1	1
99	124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1	1	1	1

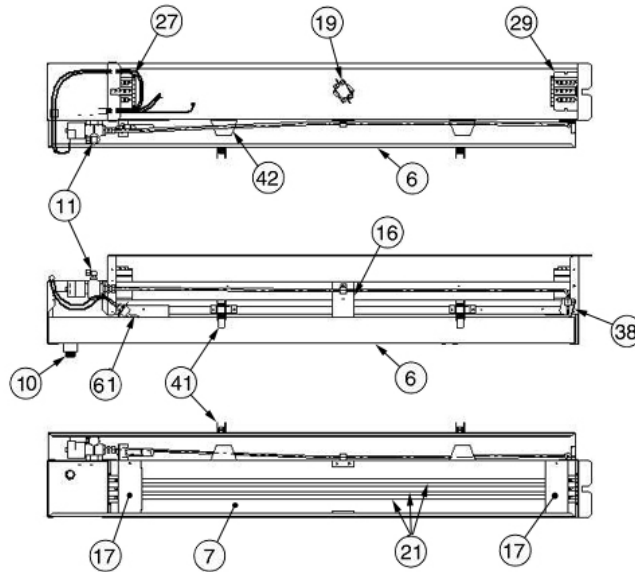
5.3. Humidifier Bulb Assembly (50 Hz)

5.3.1. 6T - 3Bulb Short Pan



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
8	160158G2	PAN WELDMENT HUMIDIFIER	380-3-50/60Hz	1	1	1	1	1	1	1
9	F-600C	REFLECTOR SINGLE	380/415-3-50/60Hz	1						
11	1C18003G2	STANDPIPE ASSY W/NUT	380//575-3-50/60Hz	1	1	1	1	1	1	1
	1C18003G3	STANDPIPE ASSY W/O NUT	380/415-3-50/60Hz	1						
12		SOLENOID VALVE ASSEMBLY (See Page 43)								
17	F-6090	COVER END BLOCK	380//575-3-50/60Hz	2	2	2	2	2	2	2
19	R13-0090	SAFETY SWT THERM 120F TR	380//575-3-50/60Hz	1	1	1	1	1	1	1
22	H-0020	LAMP I/R LINEAR/QRTZ 1600W240V	380/415-3-50/60Hz	3						
26		HUMIDIFIER SOCKET ASSEMBLY 009-0265 (See Page 45)								
27		HUMIDIFIER SOCKET ASSEMBLY 009-0268 (See Page 47)								
33	1C18337P1	PLATE SYS3 HUMID	380//575-3-50/60Hz	1	1	1	1	1	1	1
41	136743P1	LATCH HUMIDIFIER PAN	380//575-3-50/60Hz	1	2	2	2	2	2	2
42	160125P1	BRKT HUMIDIFIER LATCH	380//575-3-50/60Hz	1	2	2	2	2	2	2
61	1C19981G2	ALARM HIGH WATER SYS3	ALL	1	1	1	1	1	1	1

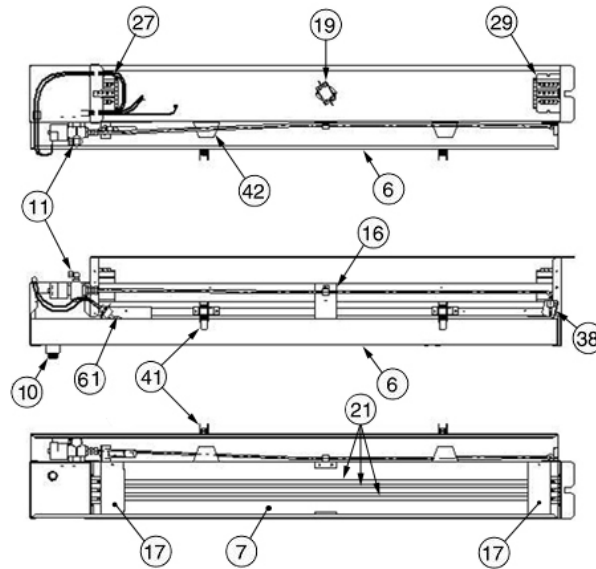
5.3.2. 8/10/15/20/30T – 3 Bulb Long Pan



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
6	160158G1	HUMIDIFIER (LONG)	ALL	1	1	1	1	1	1	1
7	F-602C	REFLECTOR 575 V DOUBLE	380//575-3-50/60Hz		1	1	1	1	1	1
10	1C18003G2	STANDPIPE ASSY W/NUT	380//575-3-50/60Hz	1	1	1	1	1	1	1
11		SOLENOID VALVE ASSEMBLY (See Page 43)								
16	F-6100	SUPPORT REFLECTOR	380//575-3-50/60Hz		2	2	2	2	2	2
17	F-6090	COVER END BLOCK	380//575-3-50/60Hz	2	2	2	2	2	2	2
19	R13-0090	SAFETY SWT THERM 120F TR	380//575-3-50/60Hz	1	1	1	1	1	1	1
21	151187P1	LAMP I/R LINEAR/QRTZ 3200W240V	380/415-3-50/60Hz		3	3	3	3	3	3
	151187P2	LAMP I/R LINEAR/QRTZ 3200W277V	460-3-60Hz					3	3	3
	H-0030	LAMP I/R LINEAR/QRTZ 3800W600V	575-3-60Hz					3	3	3
27		HUMIDIFIER SOCKET ASSEMBLY 009-0268 (See Page 47)								
29		HUMIDIFIER SOCKET ASSEMBLY 009-0262 (See Page 44)								
38	1C18337P1	PLATE SYS3 HUMID	380//575-3-50/60Hz	1	1	1	1	1	1	1
41	136743P1	LATCH HUMIDIFIER PAN	380//575-3-50/60Hz	1	2	2	2	2	2	2
42	160125P1	BRKT HUMIDIFIER LATCH	380//575-3-50/60Hz	1	2	2	2	2	2	2
61	1C19981G2	ALARM HIGH WATER SYS3	ALL	1	1	1	1	1	1	1

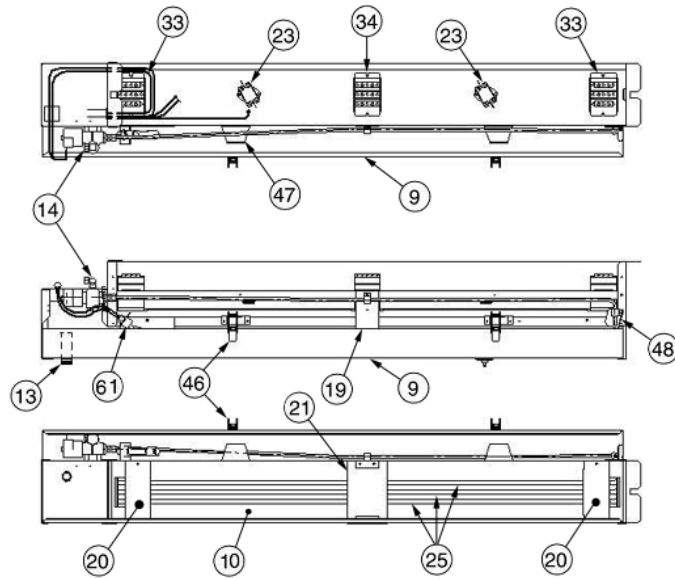
5.4. Humidifier Bulb Assembly (60 Hz)

5.4.1. 6/8/10/15T – 2 Bulb

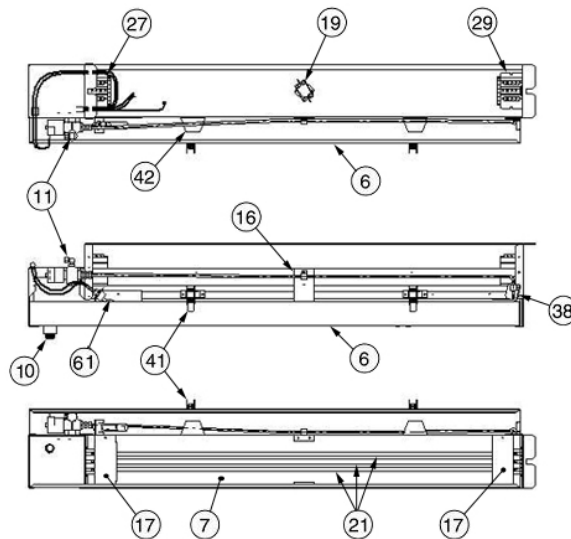


Item #	Part Number	Description	Volts		110G	116G					
					111G	121G					
					114A	125A					
					115A	130A					
					127W	138W					
					128W	143W					
				72G							
				75A							
				86W							
6	160158G1	PAN WELDMENT HUMIDIFIER (LONG)	ALL	1	1	1	1	1	1	1	1
7	F-602C	REFLECTOR 575 V DOUBLE	575-3-60Hz	1	1	1	1				
10	1C18003G2	STANDPIPE ASSY W/NUT	575-3-60Hz	1	1	1	1				
11		SOLENOID VALVE ASSEMBLY (See Page 43)									
16	F-6100	SUPPORT REFLECTOR	575-3-60Hz	2	2	2	2				
17	F-6090	COVER END BLOCK	575-3-60Hz	2	2	2	2				
19	R13-0090	SAFETY SWT THERM 120F TR	575-3-60Hz	1	1	1	1				
21	H-0030	LAMP I/R LINEAR/QRTZ 3800W600V	575-3-60Hz	2	2	2	2				
27		HUMIDIFIER SCKET ASSEMBLY 009-0263 (See Page 44)									
29		HUMIDIFIER SCKET ASSEMBLY 009-0264 (See Page 45)									
38	1C18337P1	PLATE SYS3 HUMID	575-3-60Hz	1	1	1	1				
41	136743P1	LATCH HUMIDIFIER PAN	575-3-60Hz	2	2	2	2				
42	160125P1	BRKT HUMIDIFIER LATCH	575-3-60Hz	2	2	2	2				
61	1C19981G2	ALARM HIGH WATER SYS3	ALL	1	1	1	1	1	1	1	1

5.4.2. 6 / 8 / 10 / 15T – 4 Bulb

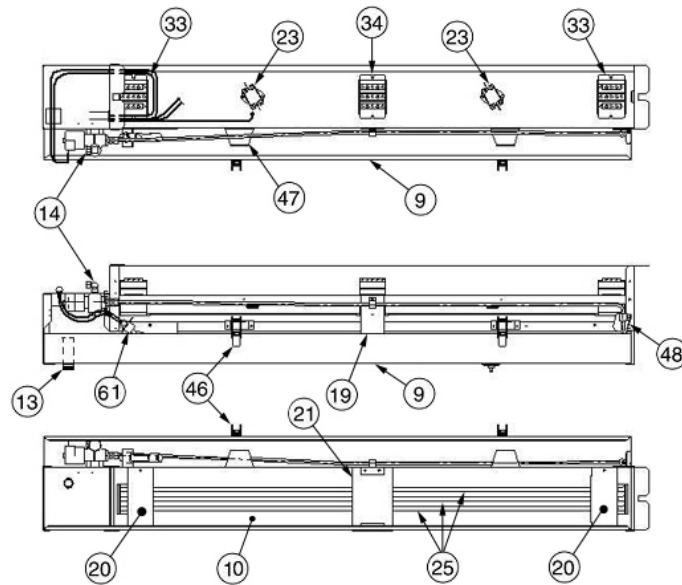


Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
					72G 75A 86W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W	
9	160158G1	PAN WELDMENT HUMIDIFIER (LONG)	ALL	1	1	1	1	1	1	1
10	F-601C	REFLECTOR DOUBLE	208/230/460-3-60Hz	1	1	1	1			
13	1C18003G2	STANDPIPE ASSY W/NUT	208/230/460-3-60Hz	1	1	1	1			
	1C18003G3	STANDPIPE ASSY W/O NUT	208/230/460-3-50/60Hz	1	1	1	1			
14		SOLENOID VALVE ASSEMBLY (See Page 43)								
19	F-6100	SUPPORT REFLECTOR	208/230/460-3-50/60Hz	2	2	2	2			
20	F-6090	COVER END BLOCK	208/230/460-3-50/60Hz	2	2	2	2			
21	F-601D	COVER BLOCK MIDDLE	208/230/460-3-60Hz	1	1	1	1			
23	R13-0090	SAFETY SWT THERM 120F TR	208/230/460-3-60Hz	1	1	1	1	1	1	1
25	H-0020	LAMP I/R LINEAR/QRTZ 1600W240V	230/460-3-60Hz	4	4	4	4			
	H-002A	LAMP I/R LINEAR/QRTZ 1600W208V	208/3-60Hz	4	4	4	4			
33		HUMIDIFIER SOCKET ASSEMBLY 009-0267 (See Page 47)								
34		HUMIDIFIER SOCKET ASSEMBLY 009-0266/009-0298 (See Page 46)								
46	136743P1	LATCH HUMIDIFIER PAN	208/230/460-3-60Hz	2	2	2	2			
47	160125P1	BRKT HUMIDIFIER LATCH	208/460-3-60Hz	2	2	2	2			
48	1C18337P1	PLATE SYS3 HUMID	208/230/460-3-50/60Hz	1	1	1	1			
61	1C19981G2	ALARM HIGH WATER SYS3	ALL	1	1	1	1	1	1	1

5.4.3. 20/30T – 3 Bulb

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
6	160158G1	PAN WELDMENT HUMIDIFIER (LONG)	ALL	1	1	1	1	1	1	1
7	F-602C	REFLECTOR 575 V DOUBLE	380//575-3-50/60Hz		1	1	1	1	1	1
10	1C18003G2	STANDPIPE ASSY W/NUT	380//575-3-50/60Hz	1	1	1	1	1	1	1
11		SOLENOID VALVE ASSEMBLY (See Page 43)								
16	F-6100	SUPPORT REFLECTOR	380//575-3-50/60Hz		2	2	2	2	2	2
17	F-6090	COVER END BLOCK	380//575-3-50/60Hz	2	2	2	2	2	2	2
19	R13-0090	SAFETY SWT THERM 120F TR	380//575-3-50/60Hz	1	1	1	1	1	1	1
21	151187P1	LAMP I/R LINEAR/QRTZ 3200W240V	380/415-3-50/60Hz		3	3	3	3	3	3
	151187P2	LAMP I/R LINEAR/QRTZ 3200W277V	460-3-60Hz					3	3	3
	H-0030	LAMP I/R LINEAR/QRTZ 3800W600V	575-3-60Hz					3	3	3
27		HUMIDIFIER SOCKET ASSEMBLY 009-0268 (See Page 47)								
29		HUMIDIFIER SOCKET ASSEMBLY 009-0262 (See Page 44)								
38	1C18337P1	PLATE SYS3 HUMID	380//575-3-50/60Hz	1	1	1	1	1	1	1
41	136743P1	LATCH HUMIDIFIER PAN	380//575-3-50/60Hz	1	2	2	2	2	2	2
42	160125P1	BRKT HUMIDIFIER LATCH	380//575-3-50/60Hz	1	2	2	2	2	2	2
61	1C19981G2	ALARM HIGH WATER SYS3	ALL	1	1	1	1	1	1	1

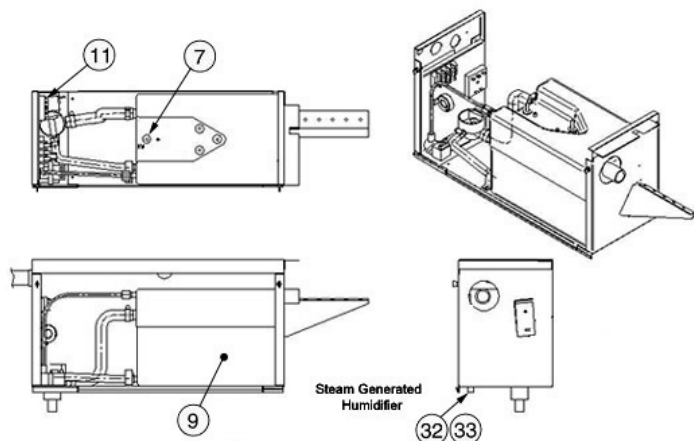
5.4.4. 20/30T – 6 Bulb



Item #	Part Number	Description	Volts		110G	116G					
					111G	121G					
					114A	125A					
					115A	130A	192G	240G	265G	363G	
					127W	138W	199A	245A	290A	380A	
					128W	143W	219W	267W	315W	412W	
9	160158G1	PAN WELDMENT HUMIDIFIER (LONG)	ALL	1	1	1	1	1	1	1	
10	F-601C	REFLECTOR DOUBLE	208/230-3-60Hz					1	1	1	
13	1C18003G2	STANDPIPE ASSY W/NUT	208/230-3-60Hz					1	1	1	
	1C18003G3	STANDPIPE ASSY W/O NUT	208/230-3-60Hz					1	1	1	
14		SOLENOID VALVE ASSEMBLY (See Page 43)									
19	F-6100	SUPPORT REFLECTOR	208/230-3-60Hz					2	2	2	
20	F-6090	COVER END BLOCK	208/230-3-60Hz					2	2	2	
21	F-601D	COVER BLOCK MIDDLE	208/230-3-60Hz					1	1	1	
23	R13-0090	SAFETY SWT THERM 120F TR	208/230-3-60Hz					2	2	2	
25	H-0020	LAMP I/R LINEAR/QRTZ 1600W240V	230-3-60Hz					6	6	6	
	H-002A	LAMP I/R LINEAR/QRTZ 1600W208V	208-3-60Hz					6	6	6	
33		HUMIDIFIER SOCKET ASSEMBLY 009-0265 (See Page 45)									
34		HUMIDIFIER SOCKET ASSEMBLY 009-0297 (See Page 48)									
46	136743P1	LATCH HUMIDIFIER PAN	208/230-3-60Hz					2	2	2	
47	160125P1	BRKT HUMIDIFIER LATCH	208/230-3-60Hz					2	2	2	

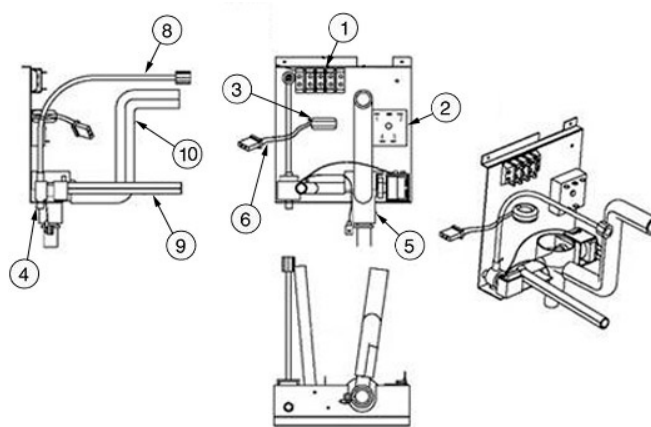
Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
48	1C18337P1	PLATE SYS3 HUMID	208/230-3-60Hz					1	1	1
61	1C19981G2	ALARM HIGH WATER SYS3	ALL	1	1	1	1	1	1	1

5.5. Steam Gen Humidifier Assembly



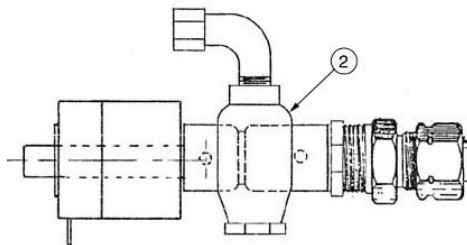
Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
7	128759P1	BOOT RUBBER SG HUM TERM COVER	ALL	4	4	4	4	4	4	4
9	153315P1	TANK HUMIDIFIER 380//480 VOLTS	208/230-3-50/60Hz	1	1	1	1	1	1	1
	153315P2	KIT HUMID TANK 380//480 W/HOSE	380//575-3-50/60Hz	1	1	1	1	1	1	1
11		HUMIDIFIER PLATE VALVE ASSEMBLY (See Page 43)								
32	P-057A	SLEEVE COMPRESSION BRASS 1/4"	ALL	1	1	1	1	1	1	1
33	P-057B	NUT COMPRESSION BRASS 1/4"	ALL	1	1	1	1	1	1	1

5.5.1. Humidifier Plate Valve Assembly



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	128750P1	PWRBLK 3P W/TABS SG HUM	ALL	1	1	1	1	1	1	1
2	136956P1	CYL FULL INTFC SGH C3000	ALL	1	1	1	1	1	1	1
3	128752P1	XFMR TORR010 W/MNL SG HUM	ALL	1	1	1	1	1	1	1
4	128753P1	VALVE FILL SG HUM W/FTG & SCR	ALL	1	1	1	1	1	1	1
5	128754P1	VALVE DRAIN SG HUM W/FTG & HL	ALL	1	1	1	1	1	1	1
6	128758P1	PLATE VALVE HARNESS SG HUM	ALL	1	1	1	1	1	1	1
8	151802P1	HOSE FILL SGH	ALL	1	1	1	1	1	1	1
9	153044P1	HOSE DRAIN SGH	ALL	1	1	1	1	1	1	1
10	153043P1	HOSE OVERFLOW SGH	ALL	1	1	1	1	1	1	1

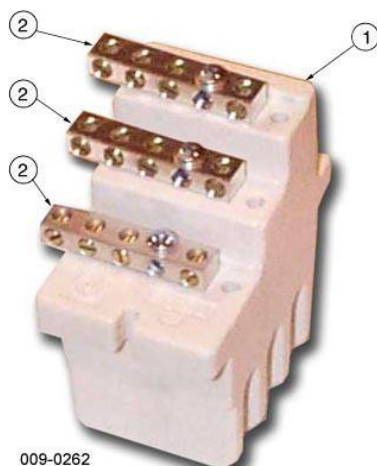
5.5.2. Solenoid Valve Assembly



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
2	P-5590	VALVE SOL/STRNR/FLO-REG .5 GPM	ALL	1	1	1	1	1	2	1

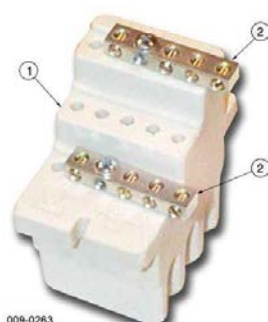
5.6. Humidifier Socket Assembly

5.6.1. 009-0262

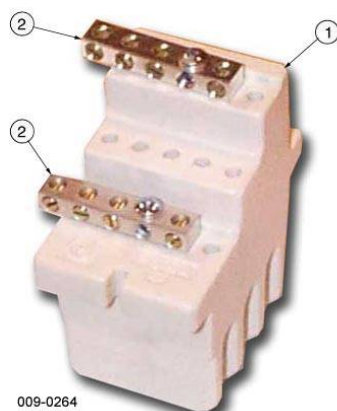


Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	H-014A	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1	1	1	1
2	H-0370	BUSBAR HUMIDIFIER HI-VOLT	ALL	3	3	3	3	3	3	3

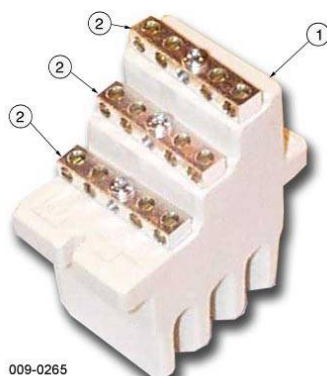
5.6.2. 009-0263



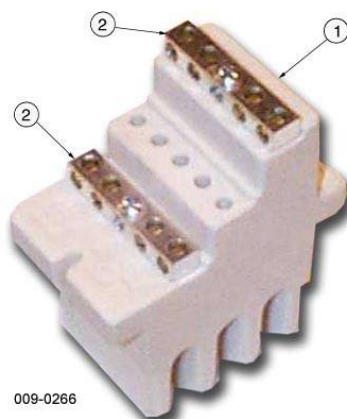
Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	H-014A	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1	1	1	1
2	H-0370	BUSBAR HUMIDIFIER HI- VOLT	208/230/575 -3-60Hz	2	2	2	2			

5.6.3. 009-264


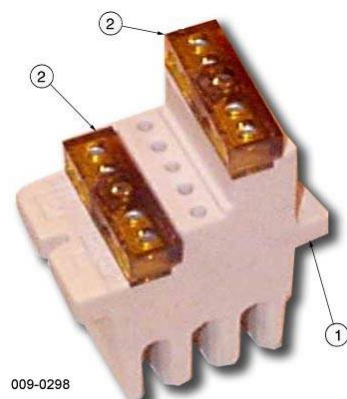
Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
1	H-014A	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1	1	1	1
2	H-0370	BUSBAR HUMIDIFIER HI-VOLT	208/230/575 -3-60Hz	2	2	2	2			

5.6.4. 009-0265


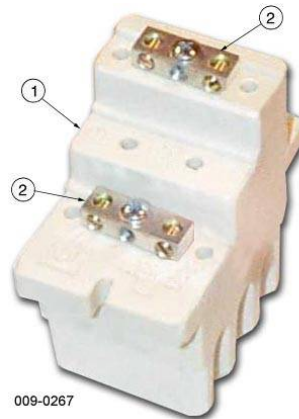
Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
1	H-014A	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1	1	1	1
2	H-0370	BUSBAR HUMIDIFIER HI-VOLT	ALL	3	3	3	3	3	3	3

5.6.5. 009-0266 / 009-0298**208/230V**

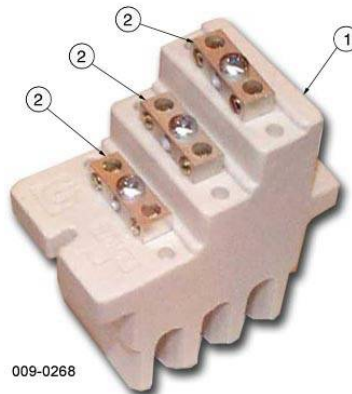
Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	H-014A	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1	1	1	1
2	H-0370	BUSBAR HUMIDIFIER HI-VOLT	208/230/575- 3-60Hz	2	2	2	2	2	2	2

**460V**

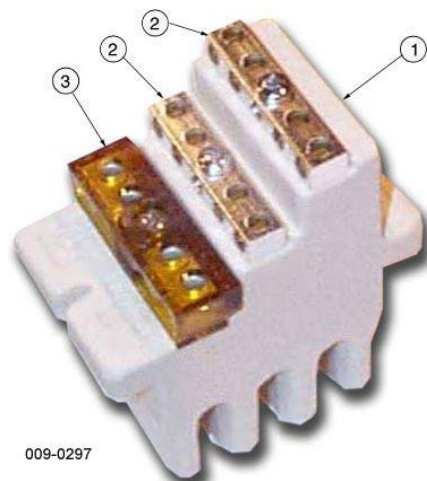
Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	H-014A	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1	1	1	1
2	H-0460	PWRBLK HUMFR 2PL 600V (UL)SPCL	460-3- 60Hz	2	2	2	2			

5.6.6. 009-0267


Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
1	H-014A	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1	1	1	1
2	H-0360	BUSBAR HUMIDIFIER HI-VOLT	208/230/460-3-60Hz	2	2	2	2			

5.6.7. 009-0268


Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
1	H-014A	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1	1	1	1
2	H-0360	BUSBAR HUMIDIFIER HI-VOLT	380/460-3-50/60Hz	3	3	3	3	3	3	3

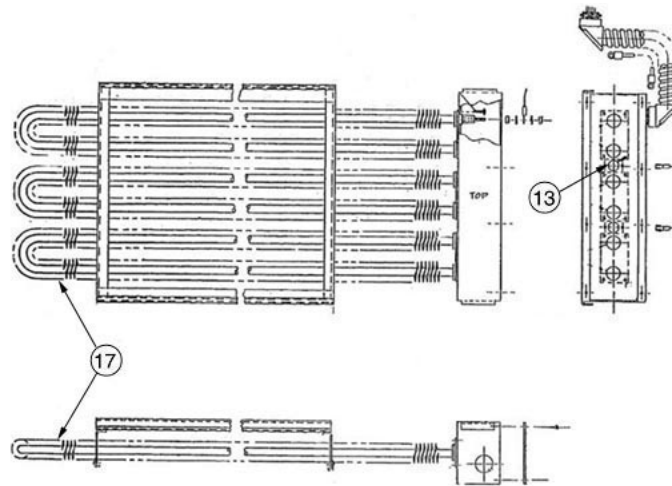
5.6.8. 009-0297

009-0297

Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
					192G	240G				
					199A	245A				
					219W	267W				
					265G	363G				
					290A	412W				
					315W					
1	H-014A	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1	1	1	1
2	H-0370	BUSBAR HUMIDIFIER HI-VOLT	ALL					3	3	3
3	H-0460	PWRBLK HUMFR 2PL 600V (UL)SPCL	208/230-3-60Hz					1	1	1

6. Reheat Section

6.1. Reheat Assembly

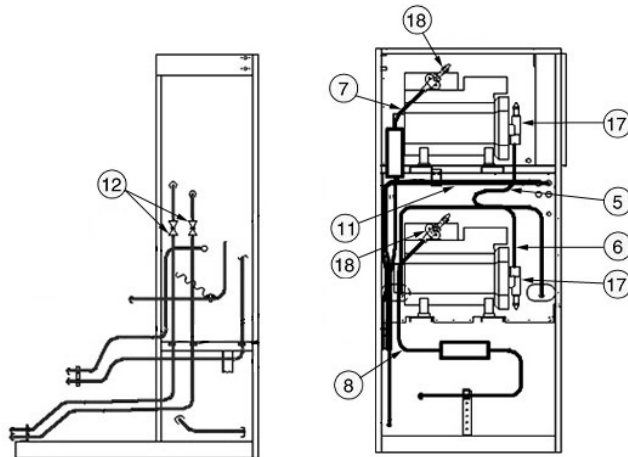


Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
13	R-013A	SAFETY SWT THERM. 125F	ALL	2	2	2	2	2		2
17	148367P1	HEATER 03.3KW 208V SS 304 S/F	208-3-60Hz	3						
	148367P2	HEATER 03.3KW 230V SS 304 S/F	230-3-60Hz	3						
	148367P3	HEATER 03.3KW 400V SS 304 S/F	380/415-3- 50/60Hz	3						
	148367P4	HEATER 03.3KW 460V SS 304 S/F	460-3-60Hz	3						
	148367P5	HEATER 03.3KW 575V SS 304 S/F	575-3-60Hz	3						
	148367P6	HEATER 05.0KW 208V SS 304 S/F	208-3-60Hz		3	3				
	148367P7	HEATER 05.0KW 230V SS 304 S/F	230-3-60Hz		3	3				
	148367P8	HEATER 05.0KW 400V SS 304 S/F	380/415-3- 50/60Hz		3	3				
	148367P9	HEATER 05.0KW 460V SS 304 S/F	460-3-60Hz		3	3				
	148367P10	HEATER 05.0KW 575V SS 304 S/F	575-3-60Hz		3	3				
	148367P16	HEATER 08.3KW 208V SS 304 S/F	208-3-60Hz				3			
	148367P17	HEATER 08.3KW 230V SS 304 S/F	230-3-60Hz				3			
	148367P18	HEATER 08.3KW 400V SS 304 S/F	380/415-3- 50/60Hz				3			
	148367P19	HEATER 08.3KW 460V SS 304 S/F	460-3-60Hz				3			
	148367P20	HEATER	575-3-60Hz				3			

Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
		08.3KW 575V SS 304 S/F								
	148367P21	HEATER 09.5KW 208V SS 304 S/F	208-3-60Hz					3	3	3
	148367P22	HEATER 10.0KW 230V SS 304 S/F	230-3-60Hz					3	3	3
	148367P23	HEATER 10.0KW 400V SS 304 S/F	380/415-3- 50/60Hz					3	3	3
	148367P24	HEATER 10.0KW 460V SS 304 S/F	460-3-60Hz					3	3	3
	148367P25	HEATER 10.0KW 575V SS 304 S/F	575-3-60Hz					3	3	3

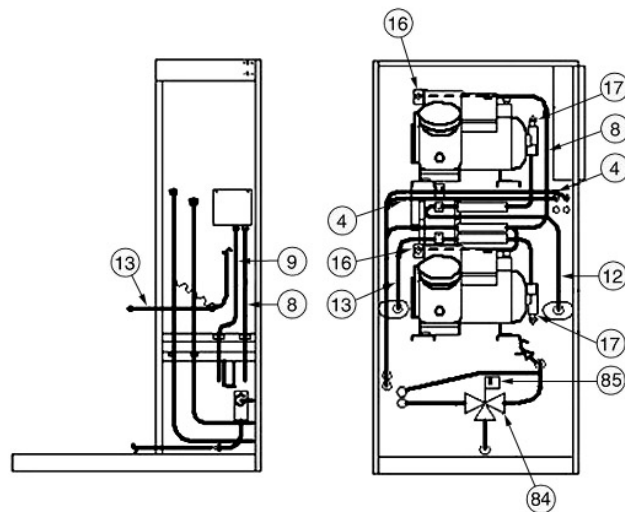
7. Piping Section

7.1. Water / Glycool Cooled



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
					72G 75A 86W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W	
5		#1 Suction Line (See Page 65)								
6		#2 Suction Line (See Page 69)								
7		#1 Discharge Line (See Page 56)								
8		#2 Discharge Line (See Page 61)								
11		Catch Piping Line (See Page 54)								
12		Ball Valve Assembly (See Page 55)								
17 / 18	CARLYLE									
	C-087A	GASKET VALVE COMP SERVICE	ALL	4	2	2	2			
	C-088A	GASKET VALVE COMP SERVICE	ALL		2	2	2	2	2	2
	C-089A	GASKET VALVE COMP SERVICE	ALL				2	2	2	
	S-128A	SCREW CAP HX G8 PO 5/16-18X13/8	ALL	4	4	4				
	S-129A	SCREW CAP HX G8 PO 5/16-18X13/4	ALL	4	4	4	4			
	S-123A	SCREW CAP HX G5 PO 5/16-18 X 2	ALL			4	4	4	4	
	S-125A	SCREW CAP HX G5 PO 1/2-13X2-1/2	ALL				8	8	8	
	COPELAND									
	C-088A	GASKET VALVE COMP SERVICE	ALL	2	2					
	C-080N	GASKET VALVE COMP SERVICE	ALL	2	2	2				
	C-087A	GASKET VALVE COMP SERVICE	ALL			2				
	C-080T	GASKET VALVE COMP SERVICE	ALL			2				
	S-128A	SCREW CAP HX G8 PO 5/16-18X13/8	ALL	4	4	4				
	S-129A	SCREW CAP HX G8 PO 5/16-18X13/4	ALL	4	4					
	5A10728P1	SCREW CAP HX G8 Z 3/8-16X2-1/4	ALL			4				
	S-5810	SCREW CAP HX G8 PO 1/2-13 X 1-3/4	ALL			4				

7.2. Air Cooled



Item #	Part Number	Description	Volts							
				72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
12		#2 Suction Line (See Page 69)								
13		#1 Discharge Line (See Page 56)								
14		#1 Suction Line (See Page 65)								
15		Catch Piping Line (See Page 54)								
16		#2 Discharge Line (See Page 61)								
17 / 18	CARLYLE									
	C-087A	GASKET VALVE COMP SERVICE	ALL	4	2	2	2			
	C-088A	GASKET VALVE COMP SERVICE	ALL		2	2	2	2	2	2
	C-089A	GASKET VALVE COMP SERVICE	ALL					2	2	2
	S-128A	SCREW CAP HX G8 PO 5/16-18X13/8	ALL	4	4	4				
	S-129A	SCREW CAP HX G8 PO 5/16-18X13/4	ALL	4	4	4	4			
	S-123A	SCREW CAP HX G5 PO 5/16-18 X 2	ALL				4	4	4	4
	S-125A	SCREW CAP HX G5 PO 1/2-13X2-1/2	ALL					8	8	8
	COPELAND									
	C-088A	GASKET VALVE COMP SERVICE	ALL	2	2					
	C-080N	GASKET VALVE COMP SERVICE	ALL	2	2	2				
	C-087A	GASKET VALVE COMP SERVICE	ALL				2			
	C-080T	GASKET VALVE COMP SERVICE	ALL			2	2			
	S-128A	SCREW CAP HX G8 PO 5/16-18X13/8	ALL	4	4	4				
	S-129A	SCREW CAP HX G8 PO 5/16-18X13/4	ALL	4	4					
	5A10728P1	SCREW CAP HX G8 Z 3/8-16X2-1/4	ALL				4			
	S-5810	SCREW CAP HX G8 PO 1/2-13 X 1-3/4	ALL				4			

7.3. Hot Gas Bypass

7.3.1. Valve Bypass

Part Number	Description		110G	116G				
			111G	121G				
			114A	125A				
		72G	115A	130A	192G	240G	265G	363G
		75A	127W	138W	199A	245A	290A	380A
		86W	128W	143W	219W	267W	315W	412W
P-0180	VALVE BYPASS/DISCH 1/2ODF SLDR	*	*	*				
P-0190	VALVE BYPASS/DISCH 5/8ODF SLDR				*			
P-018A	VALVE BYPASS/DISCH 7/8ODF SLDR					*	*	*
Qty of (1) is used on 1 circuit Hot Gas Bypass.								
Qty of (2) is used on 2 circuit Hot Gas Bypass.								

7.3.2. Solenoid Valve

Part Number	Description		110G	116G				
			111G	121G				
			114A	125A				
		72G	115A	130A	192G	240G	265G	363G
		75A	127W	138W	199A	245A	290A	380A
		86W	128W	143W	219W	267W	315W	412W
P-0080	VALVE SOLND 1/2MXF 24V-50/60	*	*	*				
P-2870	VALVE SOLND 5/8MXF 24V-50/60				*			
P-287A	VALVE SOLND 7/8FXM 24V-50/60					*	*	*
Qty of (1) is used on 1 circuit Hot Gas Bypass.								
Qty of (2) is used on 2 circuit Hot Gas Bypass.								

7.3.3. Auxiliary Connector

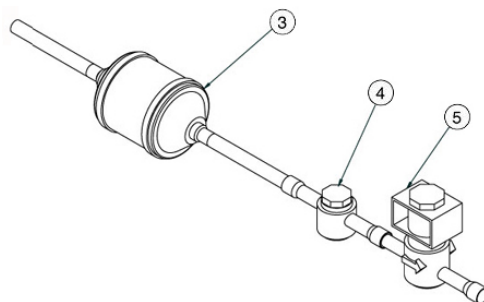
Part Number	Description		110G	116G				
			111G	121G				
			114A	125A				
		72G	115A	130A	192G	240G	265G	363G
		75A	127W	138W	199A	245A	290A	380A
		86W	128W	143W	219W	267W	315W	412W
P-206A	CONN AUX SIDE HOT-GAS	*	*	*				
P-4750	CONN AUX SIDE HOT-GAS 1-1/8				*	*	*	*
Qty of (1) is used on 1 circuit Hot Gas Bypass.								
Qty of (2) is used on 2 circuit Hot Gas Bypass.								

7.4. Extra Muffler

Part Number	Description	Volts		110G	116G				
				111G	121G				
				114A	125A				
			72G	115A	130A	192G	240G	265G	363G
			75A	127W	138W	199A	245A	290A	380A
			86W	128W	143W	219W	267W	315W	412W
123575P3	MUFFLER DISCHARGE 1-1/8"OD HI	ALL					2	2	2
Mufflers are shipped loose, to be Field Installed.									

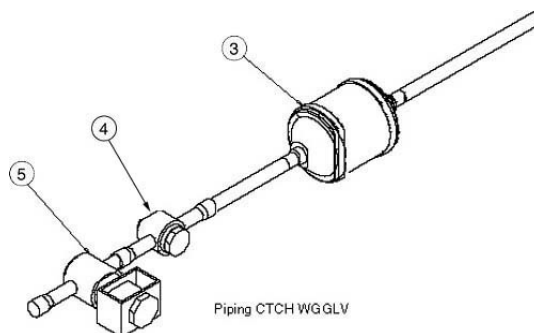
7.5. Catch Piping

7.5.1. 6 / 8 / 10 Ton



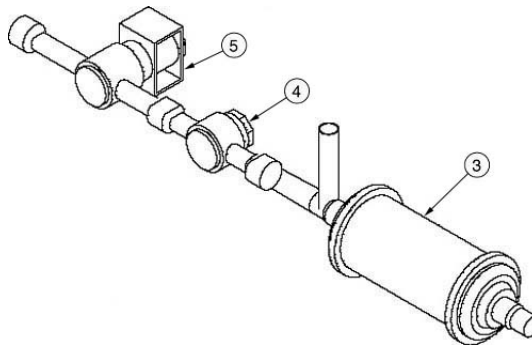
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
3	P-0020	FILTER/DRIER 1/2ODF SLDR	ALL	1	1	1				
4	P-0050	INDICATOR LIQUID 1/2 ODF	ALL	1	1	1				
5	P-0070	VALVE SOLND 1/2ODM X 1/2ODF	ALL	1	1	1				

7.5.2. 15 Ton



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
3	P-0020	FILTER/DRIER 1/2ODF SLDR	ALL				1			
4	P-0050	INDICATOR LIQUID 1/2 ODF	ALL				1			
5	P-0080	VALVE SOLND 1/2MXF 24V- 50/60	ALL				1			

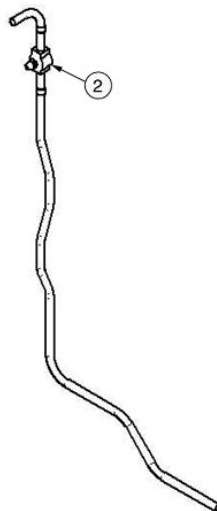
7.5.3. 20/22/30 Ton



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W					
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W	
3	P-2890	FILTER/DRIER 5/8ODF SLDR	ALL					1	1	1	
4	P-2880	INDICATOR LIQUID 5/8 ODF SLDR	ALL					1	1	1	
5	P-2870	VALVE SOLND 5/8MXF 24V- 50/60	ALL					1	1	1	

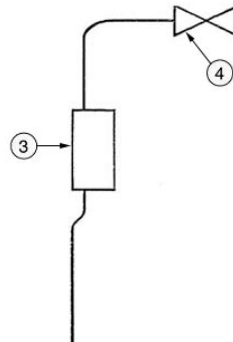
7.6. Ball Valve Assembly

7.6.1. 6/8/10/15 Ton



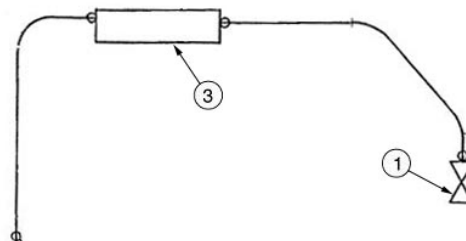
Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W					
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W	
2	P05-4360	VALVE BALL REFRIG 1/2"	ALL	1	1	1	1				
	P05-1370	VALVE BALL REFRIG 5/8"	ALL					1		1	

7.7.1.2. 8 / 10 Ton

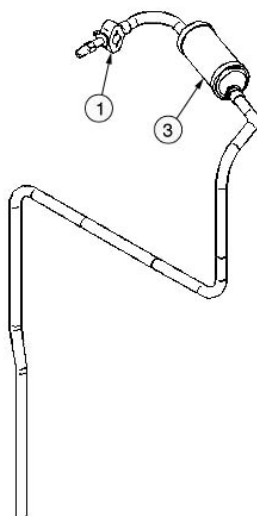


Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A	192G	240G	265G	363G
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
3	123575P1	MUFFLER DISCHARGE 5/8"OD HIEFF	ALL		1	1				
4	C-0930	VALVE COMP SERV 5/8SWT	ALL		1	1				

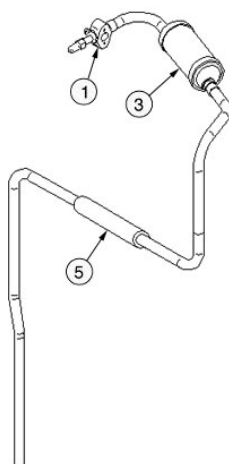
7.7.1.3. 15 Ton



Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A	192G	240G	265G	363G
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
1	C-0870	VALVE COMP SERV DISCH 7/8SWT	ALL				1			
3	123575P2	MUFFLER DISCHARGE 7/8"OD HIEFF	ALL				1			

7.7.1.4. 20/22 Ton

Item #	Part Number	Description	Volts	72G 75A 86W	110G	116G	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
					111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
1	C-0880	VALVE COMP SERV 1-1/8SWT	ALL						1	
3	123575P4	MUFFLER DISCHARGE 1- 1/8"OD HIEFF (High Efficiency)	ALL						1	

7.7.1.5. 30 Ton

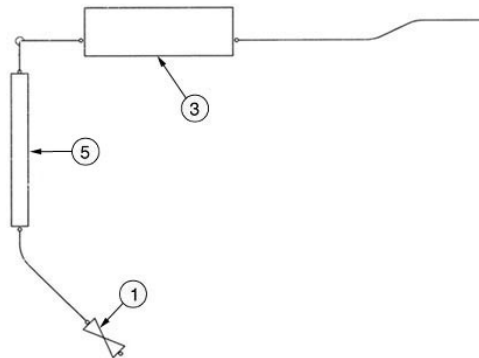
Item #	Part Number	Description	Volts	72G 75A 86W	110G	116G	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
					111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
1	C-0880	VALVE COMP SERV 1-1/8SWT	ALL							1
3	123575P4	MUFFLER DISCHARGE 1- 1/8"OD HIEFF (High Efficiency)	ALL							1
5	P05-169D	ELIMINATOR VIB ISOL 1-1/8 OD	ALL							1

7.7.2. Copeland

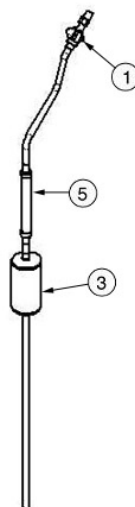
7.7.2.1. 6 Ton

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
C-0930	VALVE COMP SERV 5/8SWT	ALL	1	1	1				
P05-169F	ELIMINATOR VIB ISOL 5/8 ODF	ALL	1	1	1				
1C16401P1	MUFFLER DISCHARGE 5/8"OD	ALL	1	1	1				

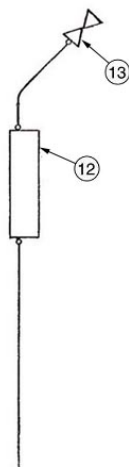
7.7.2.2. 8 Ton



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	C-0930	VALVE COMP SERV 5/8SWT	ALL		1					
3	1C16401P1	MUFFLER DISCHARGE 5/8"OD	ALL		1					
5	P05-169F	ELIMINATOR VIB ISOL 5/8 ODF	ALL		1					

7.7.2.3. 10 Ton

Item #	Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
				75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
1	C-0930	VALVE COMP SERV 5/8SWT	ALL			1				
3	1C16401P1	MUFFLER DISCHARGE 5/8"OD	ALL			1				
5	P05-169F	ELIMINATOR VIB ISOL 5/8 ODF	ALL			1				

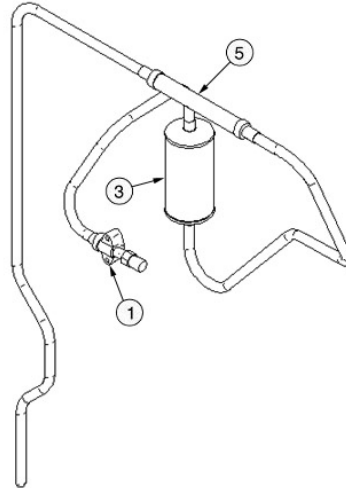
7.7.2.4. 15 Ton

Item #	Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
				75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
12	123575P2	MUFFLER DISCHARGE 7/8"OD HIEFF	ALL				1			
13	C-0870	VALVE COMP SERV DISCH 7/8SWT	ALL				1			

7.8. Discharge Line #2

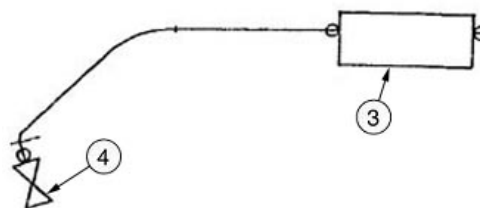
7.8.1. Carlyle

7.8.1.1. 6 Ton

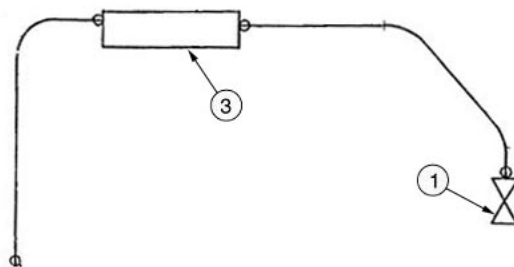


Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	C-0930	VALVE COMP SERV 5/8SWT	ALL	1						
3	1C16401P1	MUFFLER DISCHARGE 5/8"OD	ALL	1						
5	P05-169F	ELIMINATOR VIB ISOL 5/8 ODF	ALL	1						

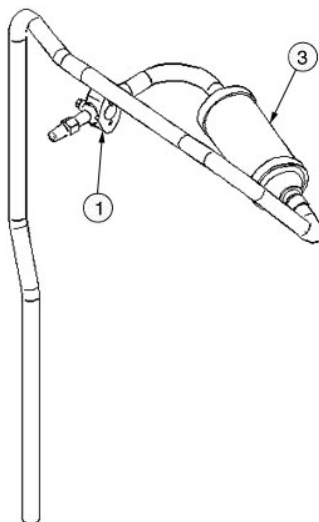
7.8.1.2. 8 / 10 Ton



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
3	123575P1	MUFFLER DISCHARGE 5/8"OD HIEFF	ALL		1	1				
4	C-0930	VALVE COMP SERV 5/8SWT	ALL		1	1				

7.8.1.3. 15 Ton

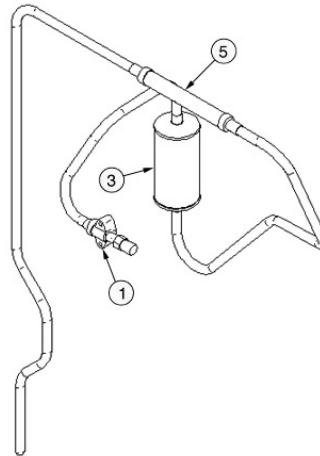
Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	C-0870	VALVE COMP SERV DISCH 7/8SWT	ALL				1			
3	123575P2	MUFFLER DISCHARGE 7/8"OD HIEFF	ALL				1			

7.8.1.4. 20/30 Ton

Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	C-0880	VALVE COMP SERV 1- 1/8SWT	ALL						1	
3	123575P4	MUFFLER DISCHARGE 1- 1/8"OD HIEFF (High Efficiency)	ALL						1	

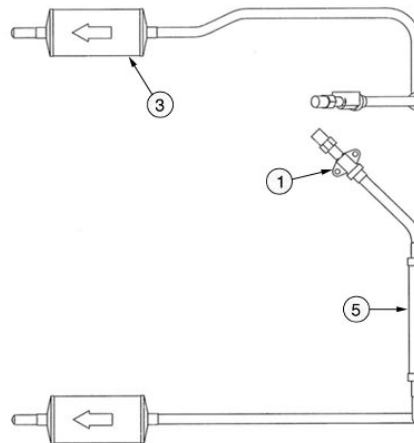
7.8.2. Copeland

7.8.2.1. 6 Ton

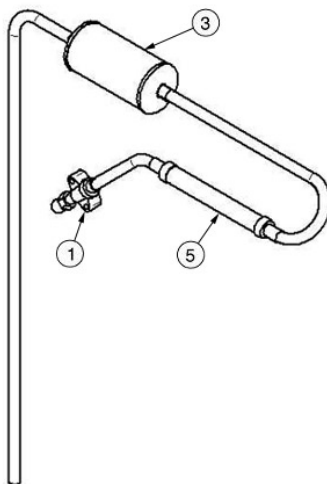


Item #	Part Number	Description	Volts	72G 75A 86W	110G	111G	114A	115A	127W	128W	116G	121G	125A	130A	138W	143W	192G	240G	245A	267W	265G	290A	315W	363G	380A	412W
1	C-0930	VALVE COMP SERV 5/8SWT	ALL	1																						
3	1C16401P1	MUFFLER DISCHARGE 5/8"OD	ALL	1																						
5	P05-169F	ELIMINATOR VIB ISOL 5/8 ODF	ALL	1																						

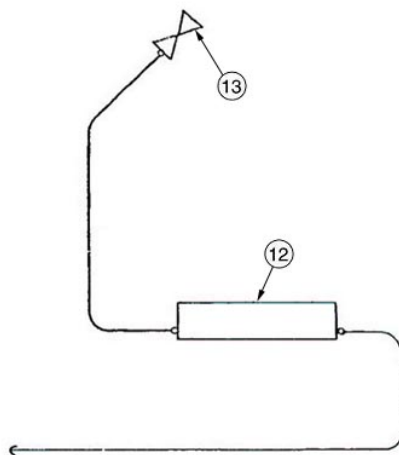
7.8.2.2. 8 Ton



Item #	Part Number	Description	Volts	72G 75A 86W	110G	111G	114A	115A	127W	128W	116G	121G	125A	130A	138W	143W	192G	240G	245A	267W	265G	290A	315W	363G	380A	412W
1	C-0930	VALVE COMP SERV 5/8SWT	ALL																							
3	1C16401P1	MUFFLER DISCHARGE 5/8"OD	ALL																							
5	P05-169F	ELIMINATOR VIB ISOL 5/8 ODF	ALL																							

7.8.2.3. 10 Ton

Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	C-0930	VALVE COMP SERV 5/8SWT	ALL			1				
3	1C16401P1	MUFFLER DISCHARGE 5/8"OD	ALL			1				
5	P05-169F	ELIMINATOR VIB ISOL 5/8 ODF	ALL			1				

7.8.2.4. 15 Ton

Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
12	123575P2	MUFFLER DISCHARGE 7/8"OD HIEFF	ALL				1			
13	C-0870	VALVE COMP SERV DISCH 7/8SWT	ALL				1			

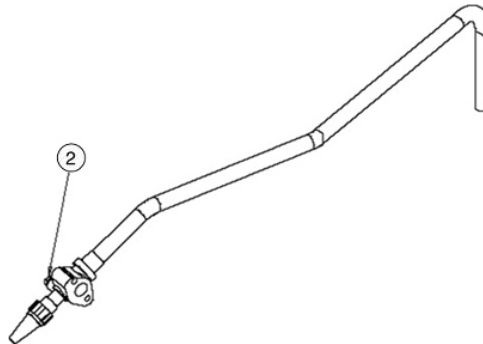
7.9. Suction Line #1

7.9.1. Carlyle

7.9.1.1. 6 Ton

Part Number	Description	Volts		110G	116G				
				111G	121G				
				114A	125A				
			72G	115A	130A	192G	240G	265G	363G
			75A	127W	138W	199A	245A	290A	380A
			86W	128W	143W	219W	267W	315W	412W
C-0870	VALVE COMP SERV DISCH 7/8SWT	ALL	1						

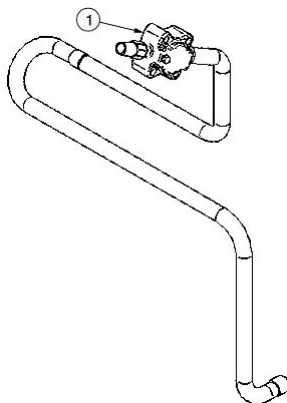
7.9.1.2. 8 / 10 Ton



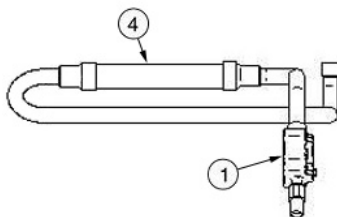
Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
			72G	115A	130A	192G	240G	265G	363G	
			75A	127W	138W	199A	245A	290A	380A	
			86W	128W	143W	219W	267W	315W	412W	
2	C-0910	VALVE COMP SERV 7/8SWT	ALL		1	1				

7.9.1.3. 15 Ton

Part Number	Description	Volts		110G	116G				
				111G	121G				
				114A	125A				
			72G	115A	130A	192G	240G	265G	363G
			75A	127W	138W	199A	245A	290A	380A
			86W	128W	143W	219W	267W	315W	412W
C-0880	VALVE COMP SERV 1-1/8SWT	ALL				1			

7.9.1.4. 20/22 Ton

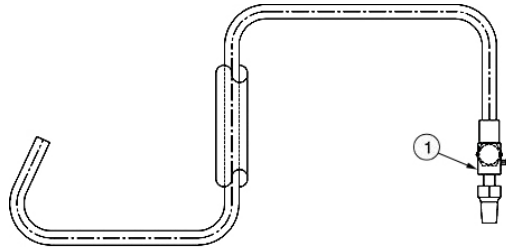
Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	C-0890	VALVE COMP SERV SUCTN 1-1/8SWT	ALL						1	

7.9.1.5. 30 Ton

Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	C-0890	VALVE COMP SERV SUCTN 1- 1/8SWT	ALL							1
4	P05-169C	ELIMINATOR VIB ISOL 1-3/8 OD	ALL							1

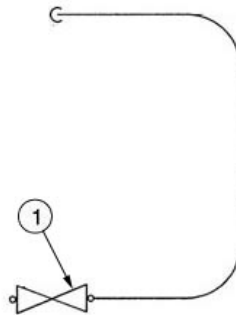
7.9.2. Copeland

7.9.2.1. 6 Ton

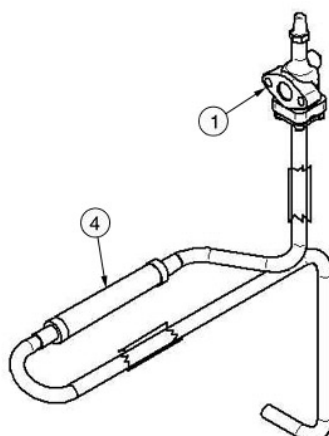


Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A	192G	240G	265G	363G
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
1	C-0870	VALVE COMP SERV DISCH 7/8SWT	ALL	1						

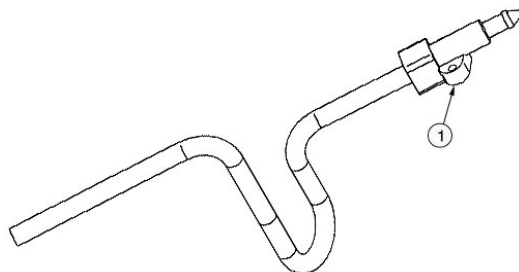
7.9.2.2. 8 Ton



Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A	192G	240G	265G	363G
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
1	C-0870	VALVE COMP SERV DISCH 7/8SWT	ALL	1						

7.9.2.3. 10 Ton

Item #	Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
				75A	111G	121G				
				86W	114A	125A				
					115A	130A				
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
1	C-080K	VALVE COMP SERV DISCH 7/8SWT	ALL			1				
4	P05-169E	ELIMINATOR VIB ISOL 7/8 OD	ALL			1				

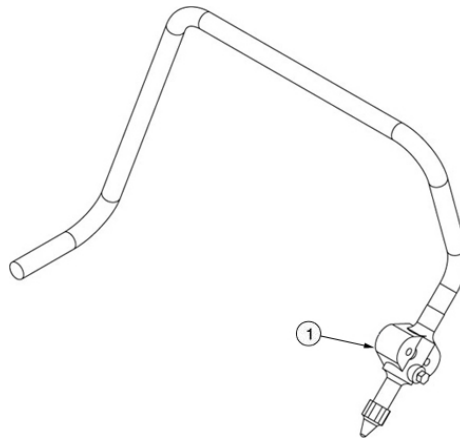
7.9.2.4. 15 Ton

Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
				72G	127W	138W	192G	240G	265G	363G
				75A	127W	138W	199A	245A	290A	380A
				86W	128W	143W	219W	267W	315W	412W
1	C-080W	VALVE COMP SERV SUCTN 1- 1/8SWT	ALL				1			

7.10. Suction Line #2

7.10.1. Carlyle

7.10.1.1. 6 Ton



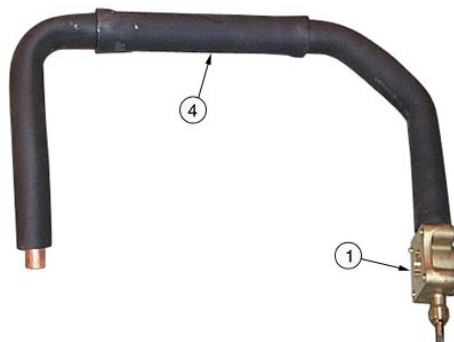
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	C-0870	VALVE COMP SERV DISCH 7/8SWT	ALL	1						

7.10.1.2. 8 / 10 Ton

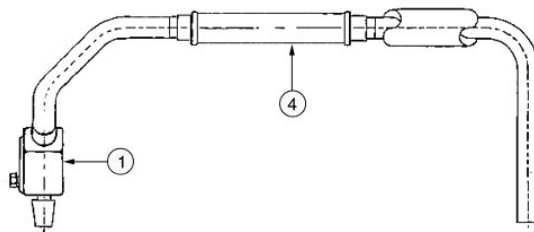
Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
C-0910	VALVE COMP SERV 7/8SWT	ALL		1	1				

7.10.1.3. 15 Ton

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
C-0880	VALVE COMP SERV 1-1/8SWT	ALL				1			

7.10.1.4. 20/22 Ton

Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	C-0890	VALVE COMP SERV SUCTN 1- 1/8SWT	ALL					1	1	
4	P05-169D	ELIMINATOR VIB ISOL 1-1/8 OD	ALL					1	1	

7.10.1.5. 30 Ton

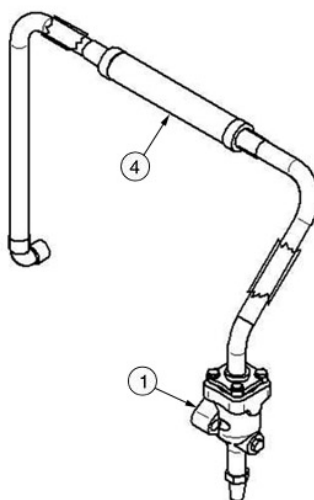
Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	C-0890	VALVE COMP SERV SUCTN 1- 1/8SWT	ALL							1
4	P05-169C	ELIMINATOR VIB ISOL 1-3/8 OD	ALL							1

7.10.2. Copeland

7.10.2.1. 6 / 8 Ton

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
C-0870	VALVE COMP SERV DISCH 7/8SWT	ALL	1	1					

7.10.2.2. 10 Ton



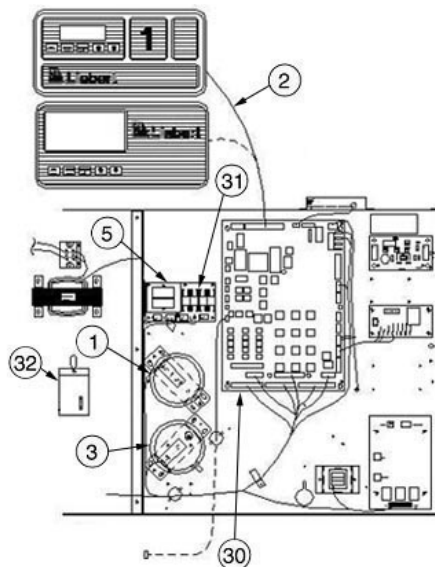
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	C-080K	VALVE COMP SERV DISCH 7/8SWT	ALL			1				
4	P05-169E	ELIMINATOR VIB ISOL 7/8 OD	ALL			1				

7.10.2.3. 15 Ton

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
C-080W	VALVE COMP SERV SUCTN 1- 1/8SWT	ALL				1			

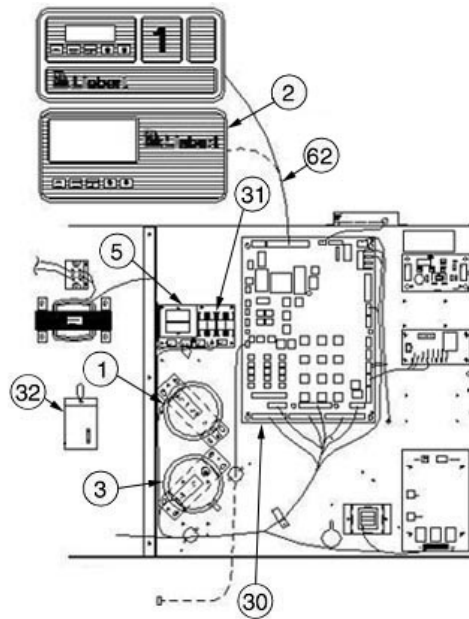
8. Electrical Section

8.1. Advanced Microprocessor



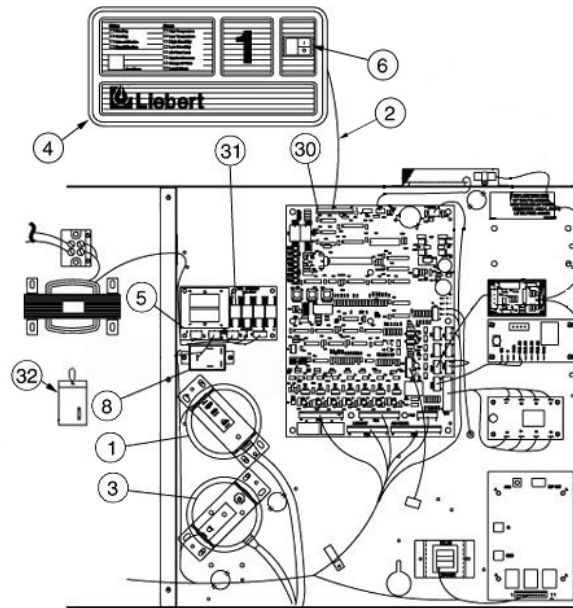
Item #	Part Number	Description	Volts		110G	116G				
				72G	111G	121G				
				75A	114A	125A				
				86W	115A	130A	192G	240G	265G	363G
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
1	B02-0190	SW AIRFLO SENSING	ALL	1	1	1	1	1	1	1
2	166819P1	DISPLAY ASM AM 4X20 UNIV 24/WH	ALL	1	1	1	1	1	1	1
3	128199P1	SW AIR DIFFERENTIAL 2PORTS	ALL	1	1	1	1	1	1	1
5	4C14651G1	PWA ISO XFMR/FUSE INTF	ALL	1	1	1	1	1	1	1
30	415761G2	PWA UNIVERSAL CONTROL AM	ALL	1	1	1	1	1	1	1
31	135409P2	FUSE GLASS 250V 4AMP .25X1.25	230//575-3-60Hz	4	4	4	4	4	4	4
	135409P3	FUSE GLASS 250V 6AMP .25X1.25	380/415-3-50Hz	4	4	4	4	4	4	4
32	135637P3	FUSE KIT QTY 8 6A NON-TD FUSES	230//575-3-60Hz	1	1	1	1	1	1	1
	135637P2	FUSE KIT QTY 8 4A NON-TD FUSES	380/415-3-50Hz	1	1	1	1	1	1	1

8.2. Advanced Graphics



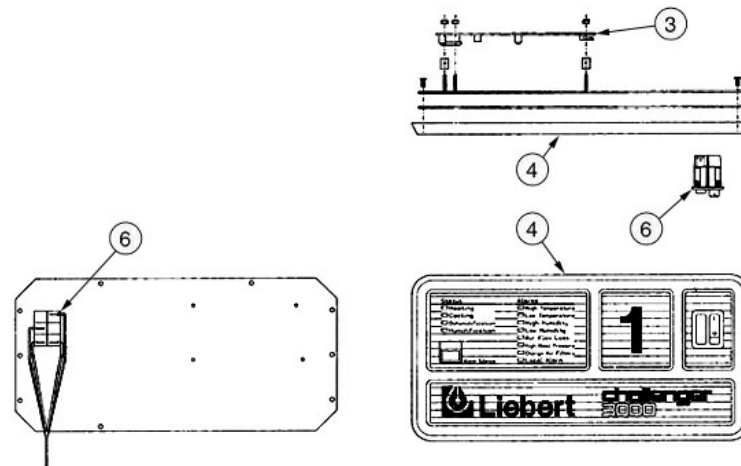
Item #	Part Number	Description	Volts		72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	B02-0190	SW AIRFLO SENSING	ALL	1	1	1	1	1	1	1	1
2	139140G1	DISPLAY ASM L15 GRAPHICS	ALL	1	1	1	1	1	1	1	1
	136600P1	COVER DISPLAY ADVANCE GRAPHICS	ALL	1	1	1	1	1	1	1	1
3	128199P1	SW AIR DIFFERENTIAL 2PORTS	ALL	1	1	1	1	1	1	1	1
5	4C14651G1	PWA ISO XFMR/FUSE INTF	ALL	1	1	1	1	1	1	1	1
30	415761G3	PWA UNIVERSAL CONTROL AG	ALL	1	1	1	1	1	1	1	1
31	135409P2	FUSE GLASS 250V 4AMP .25X1.25	230//575-3-60Hz	4	4	4	4	4	4	4	4
	135409P3	FUSE GLASS 250V 6AMP .25X1.25	380/415-3-50Hz	4	4	4	4	4	4	4	4
32	135637P3	FUSE KIT QTY 8 6A NON-TD FUSES	230//575-3-60Hz	1	1	1	1	1	1	1	1
	135637P2	FUSE KIT QTY 8 4A NON-TD FUSES	380/415-3-50Hz	1	1	1	1	1	1	1	1
62	139147G1	WH DISPLAY AG TO CNTL BD 20"	ALL	1	1	1	1	1	1	1	1

8.3. Standard Microprocessor



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	B02-0190	SW AIRFLO SENSING	ALL	1	1	1	1	1	1	1
2	1C13999G1	CABLE ASSY SYS3 LEVEL 0 RIBBON	ALL	1	1	1	1	1	1	1
3	128199P1	SW AIR DIFFERENTIAL 2PORTS	ALL	1	1	1	1	1	1	1
4		SM Display Assembly (See Page 75)								
5	4C14651G1	PWA ISO XFMR/FUSE INTF	ALL	1	1	1	1	1	1	1
6	140589P1	SW ROCKER W/INDEP 28VDC LAMP	ALL	1	1	1	1	1	1	1
8	E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1
30	4D14331G2	PWA CNTL 00 SM DX	ALL	1	1	1	1	1	1	1
31	135409P2	FUSE GLASS 250V 4AMP .25 x 1.25	230//575- 3-60Hz	4	4	4	4	4	4	4
	135409P3	FUSE GLASS 250V 6AMP .25 x 1.25	380/415- 3-50Hz	4	4	4	4	4	4	4
32	135637P2	FUSE KIT QTY 8 4A NON-TD FUSES	230//575- 3-60Hz	1	1	1	1	1	1	1
	135637P3	FUSE KIT QTY 8 6A NON-TD FUSES	380/415- 3-50Hz	1	1	1	1	1	1	1

8.3.1. Display Assembly

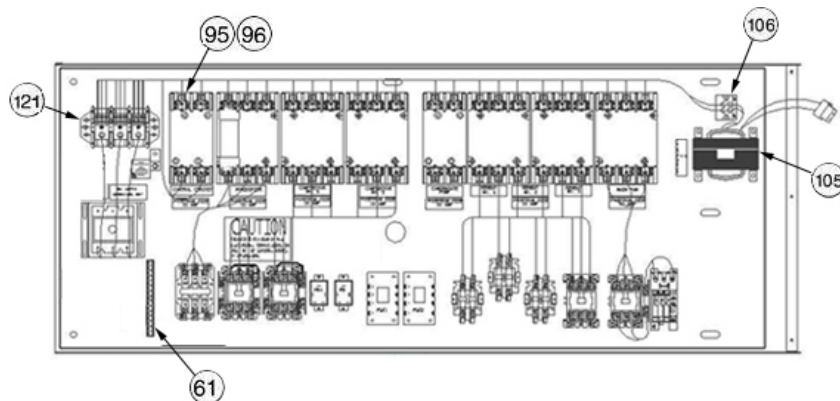


Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W					
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W	
3	4C14591G1	PWA DISPLAY LVL00 W/ALARM	ALL	1	1	1	1	1	1	1	1
4	4D10399P1	BEZEL CNTR DISP SG/AM/00	ALL	1	1	1	1	1	1	1	1
6	140589P1	SW ROCKER W/INDEP 28VDC LAMP	ALL	1	1	1	1	1	1	1	1

8.4. Back Panel

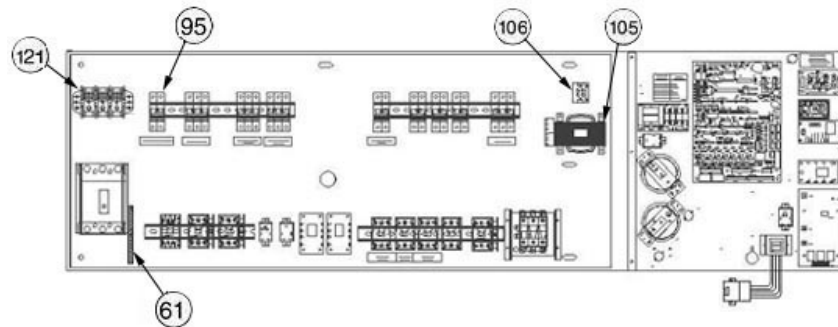
8.4.1. 50 Hz

8.4.1.1. Fused



Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
				72G	114A	125A	192G	240G	265G	363G
				75A	115A	130A	199A	245A	290A	380A
				86W	127W	138W	219W	267W	315W	412W
61	E-3620	GROUND LUG STRIP 13POS	ALL	1	1	1	1	1	1	1
95	E-6030	FUSEBLOCK 600V 2P 030A	380/415-3-50/60	1	1	1	1	1	1	1
96	E-194C	FUSE DUAL ELMNT 600V 01.25AMP	380/415-3-50/60	2	2	2	2	2	2	2
105	136203P2	XFMR 400VA 380-415/2450	380/415-3-50/60	1	1	1	1	1	1	1
	E-330B	XFMR 075VA 50/60 400//I-24V	380/415-3-50/60	1	1	1	1	1	1	1
NOTE: E-330B is used with Standard Microprocessor Controls with 2 Circuit Hot Gas Bypass.										
106	136205P1	PWRBLK 2PL 600V 65A TCHPRF	380/415-3-50/60	1	1	1	1	1	1	1
121	140653P1	POWERBLOCK 3PL COVER 4X2.5	380/415-3-50/60	1	1	1	1	1	1	1

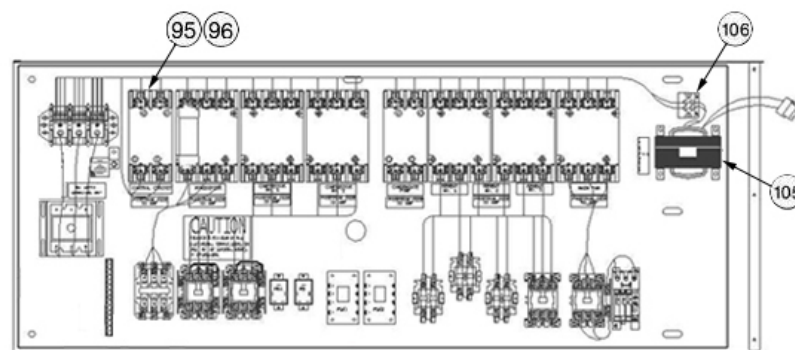
8.4.1.2. Circuit Breaker



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
61	E-3620	GROUND LUG STRIP 13POS	ALL	1	1	1	1	1	1	1
95	136240P5	CB MCB 2P 240/415V ABBS272-K3	380//415-3-50/60	1	1	1	1	1	1	1
105	136203P2	XFMR 400VA 380-415/2450	380//415	1	1	1	1	1	1	1
106	136205P1	PWRBLK 2PL 600V 65A TCHPRF	380/415-3-50/60	1	1	1	1	1	1	1
121	140653P1	POWERBLOCK 3PL COVER 4X2.5	380/415-3-50/60	1	1	1	1	1	1	1

8.4.2. 60 Hz

8.4.2.1. 208/230/460/575 Volts

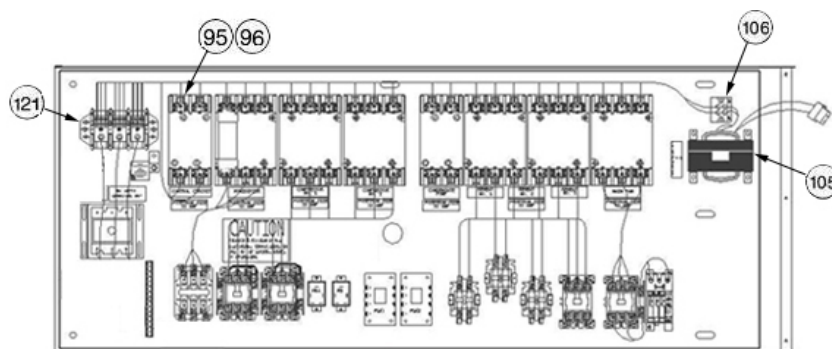


Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
95	E-6030	FUSEBLOCK 600V 2P 030A	460/575	1	1	1	1	1	1	1
	E-6040	FUSEBLOCK 250V 2P 030A	208/230	1	1	1	1	1	1	1
96	E-194C	FUSE DUAL ELMNT 600V 01.25AMP	460/575	2	2	2	2	2	2	2
	E-203D	FUSE DUAL	208/230	2	2	2	2	2	2	2

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
		ELMNT 250V 02.8AMP								
105	136202P1	XFMR 300VA 460- 615/2460	460/575V	1	1	1	1	1	1	1
	136203P1	XFMR 400VA 200-240/24V	208/230V	1	1	1	1	1	1	1
	E-007A	XFMR 075VA 60 230-24	208/230V	1	1	1	1	1	1	1
	E-007B	XFMR 075VA 60 460-24	460V	1	1	1	1	1	1	1
	E-007C	XFMR 075VA 60 575-24	575V	1	1	1	1	1	1	1
	E-276C	CB 3.2A BRKT MNT ETA	208/230460/575V	1	1	1	1	1	1	1
	NOTE: Transformers are used with Standard Microprocessor Controls with 2 Circuit Hot Gas Bypass.									
106	136205P1	PWRBLK 2PL 600V 65A TCHPRF	208//575-3-60Hz	1	1	1	1	1	1	1

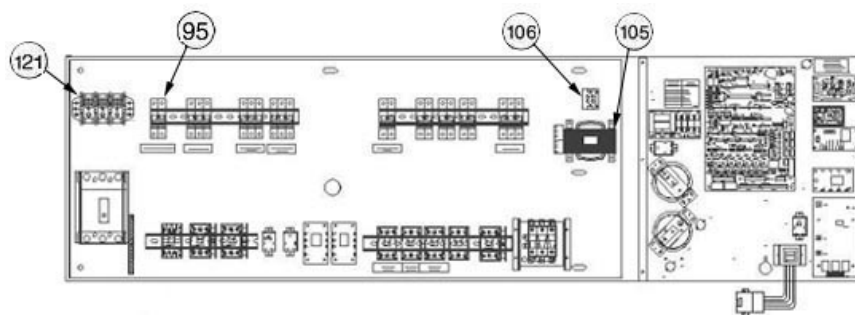
8.4.2.2. 380 Volts

8.4.2.2.1. Fused



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
95	E-6030	FUSEBLOCK 600V 2P 030A	380-3-60Hz	1	1	1	1	1	1	1
96	E-194C	FUSE DUAL ELMNT 600V 01.25AMP	380	2	2	2	2	2	2	2
105	136203P2	XFMR 400VA 380-415/2450	380-3-60Hz	1	1	1	1	1	1	1
	E-330B	XFMR 075VA 50/60 400/-24V	380-3-60Hz	1	1	1	1	1	1	1
NOTE: E-330B is used with Standard Microprocessor Controls with 2 Circuit Hot Gas Bypass.										
106	136205P1	PWRBLK 2PL 600V 65A TCHPRF	380-3-60Hz	1	1	1	1	1	1	
121	140653P1	POWERBLOCK 3PL COVER 4X2.5	380-3-60Hz	1	1	1	1	1	1	1

8.4.2.2.2. Circuit Breaker

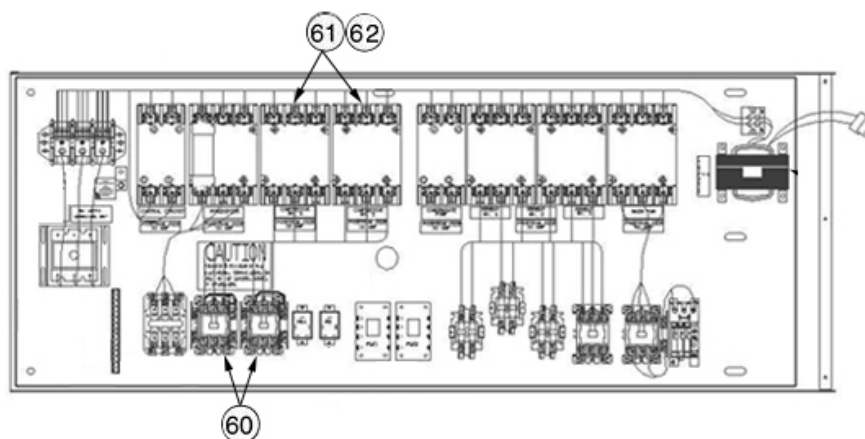


Item #	Part Number	Description	Volts		110G	116G				
					72G 75A 86W	121G 125A 130A 138W 143W				
95	136240P5	CB MCB 2P 240/415V ABBS272-K3	380-3-60Hz	1	1	1	1	1	1	
105	136203P2	XFMR 400VA 380-415/2450	380-3-60Hz	1	1	1	1	1	1	
106	136205P1	PWRBLK 2PL 600V 65A TCHPRF	380-3-60Hz	1	1	1	1	1	1	
121	140653P1	POWERBLOCK 3PL COVER 4X2.5	380//415	1	1	1	1	1	1	

8.5. Compressor

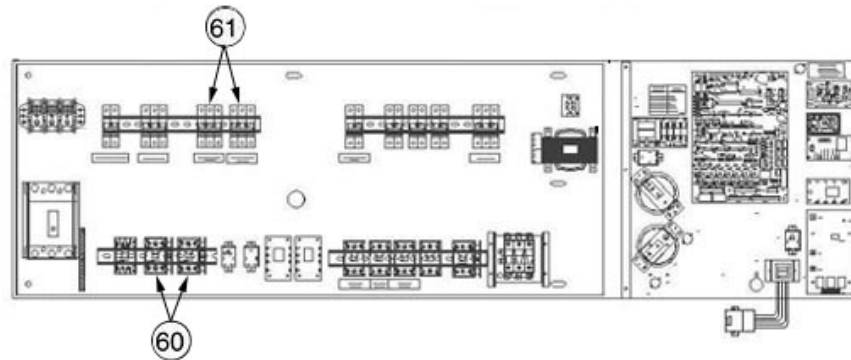
8.5.1. 50 Hz

8.5.1.1. Fused

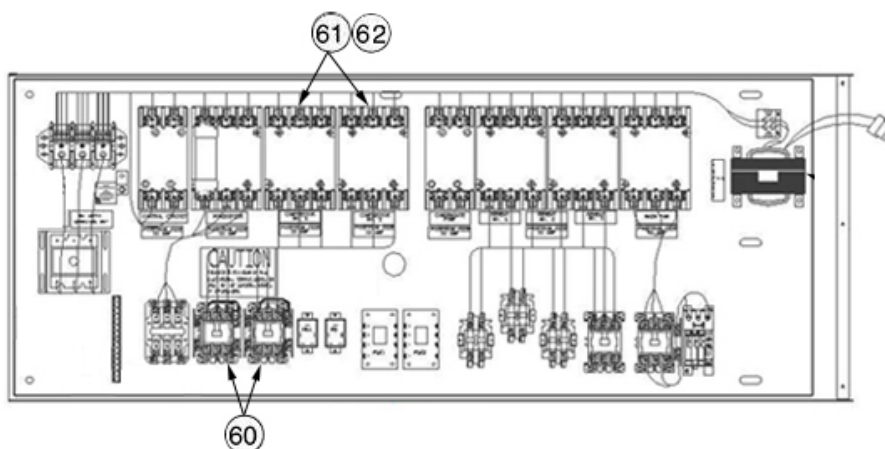


Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
				72G			192G	240G	265G	363G
				75A			199A	245A	290A	380A
				86W			219W	267W	315W	412W
60	123273P1	CONTACTOR 3PL 25/30 NO/NC AUX	380/415-3-50/60	2	2	2	2	2	2	2
61	E-1050	FUSEBLOCK 600V 3P 030A	380/415-3-50/60	2	2	2	2	2		
	E-105A	FUSEBLOCK 600V 3P 060A	380/415-3-50/60						2	2
62	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380//415	6	6					
	E-3050	FUSE DUAL ELMNT 600V 25.0AMP	380//415			6	6			
	E-1100	FUSE DUAL ELMNT 600V 30.0AMP	380//415					6		
	E-2021	FUSE DUAL ELMNT 600V 35.0AMP	380//415						6	6

8.5.1.2. Circuit Breaker



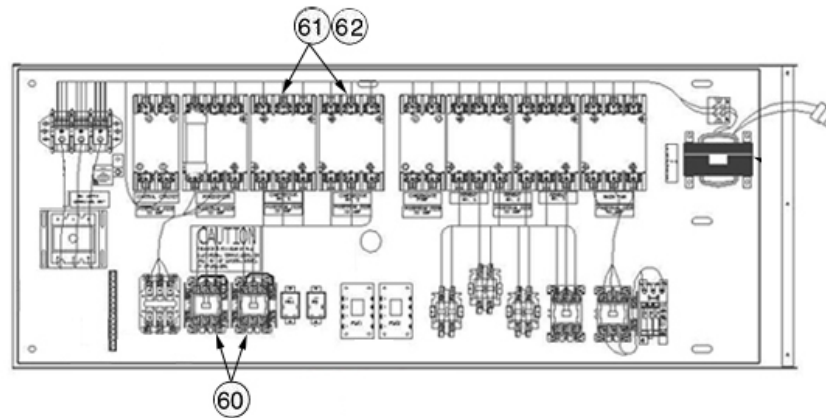
Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W	192G	240G	265G	363G
					128W	143W	199A	245A	290A	380A
					86W		219W	267W	315W	412W
60	136232P1	CONTACTOR 3P23IND32RES24/50AUX	380/415- 3-50/60	2	2	2	2	2		
	136233P1	CONTACTOR 3P30IND40RES24/50AUX	380/415- 3-50/60						2	2
	136235P1	CONTACTOR 3P60IND75RES24 AUX	208/230- 3-50/60						2	2
61	136241P10	CB MCB 3P 240/415V ABBS273-K16	380/415- 3-50/60	2	2					
	136241P12	CB MCB 3P 240/415V ABBS273-K25	380/415- 3-50/60			2	2			
	136241P13	CB MCB 3P 240/415V ABBS273-K32	380/415- 3-50/60					2	2	2

8.5.2. 60 Hz**8.5.2.1. 208/230/460/575 Volts**

Item #	Part Number	Description	Volts		110G	116G				
				72G 75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
60	123273P1	CONTACTOR 3PL 25/30 NO/NC AUX	208/230 460/575	2 2	2 2	2 2				
	123281P1	CONTACTOR 3PL 40/50 NO/NC AUX	208/230				2		2	
	123282P1	CONTACTOR 3PL 50/63 NO/NC AUX	208/230					2		
	123283P1	CONTACTOR 3PL 65/75 NO/NC AUX	208/230						2	2
	123280P1	CONTACTOR 3PL 30/40 NO/NC AUX	460/575							2
61	E-1020	FUSEBLOCK 250V 3P 030A	208/230	2	2	2				
	E-1050	FUSEBLOCK 600V 3P 030A	460/575	2	2	2	2	2		
	E-1040	FUSEBLOCK 250V 3P 060A	208/230				2	2		
	E-1041	FUSEBLOCK 250V 3P 100A	208/230						2	2
	E-105A	FUSEBLOCK 600V 3P 060A	460/575						2	2

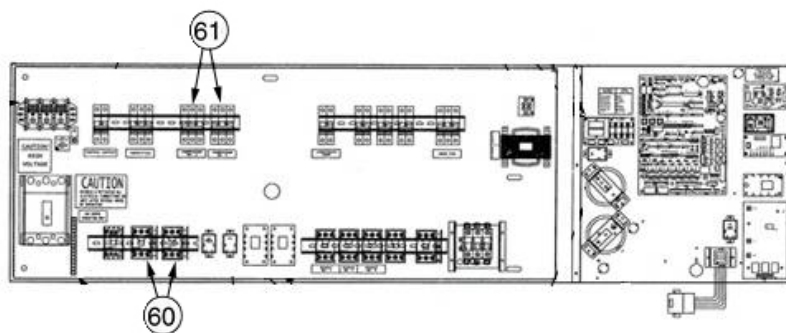
8.5.2.2. 380 Volts

8.5.2.2.1. Fused



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
60	123273P1	CONTACTOR 3PL 25/30 NO/NC AUX	380-3- 60Hz	2	2	2	2	2	2	
61	E-1050	FUSEBLOCK 600V 3P 030A	380-3- 60Hz	2	2	2	2			
	E-105A	FUSEBLOCK 600V 3P 060A	380-3- 60Hz					2	2	
62	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380-3- 60Hz	6	6	6				
	E-1100	FUSE DUAL ELMNT 600V 30.0AMP	380-3- 60Hz				6			
	E-2021	FUSE DUAL ELMNT 600V 35.0AMP	380-3- 60Hz					6		
	E-2023	FUSE DUAL ELMNT 600V 40.0AMP	380-3- 60Hz						6	

8.5.2.2.2. Circuit Breaker

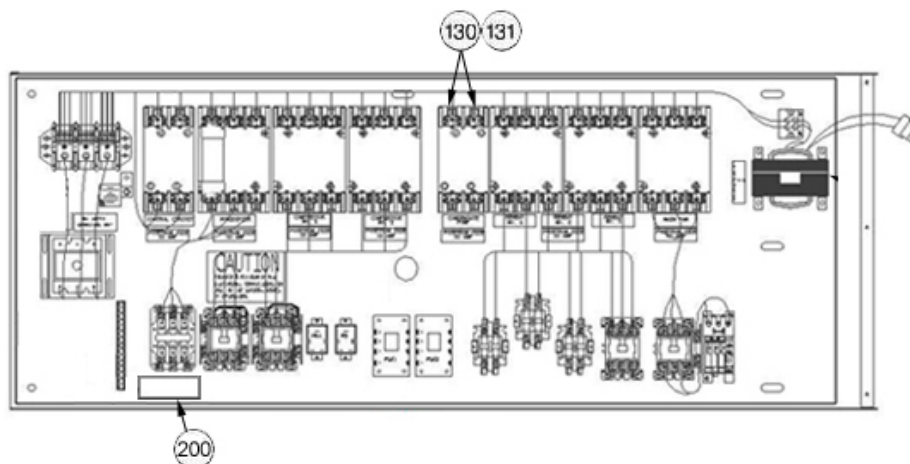


Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
					72G	192G	240G	265G	363G	
					75A	199A	245A	290A	380A	
					86W	219W	267W	315W	412W	
60	136232P1	CONTACTOR 3P23IND32RES24/50AUX	380-3- 60Hz	2						
61	136241P10	CB MCB 3P 240/415V ABBS273-K16	380-3- 60Hz	2						

8.6. Condensate Pump

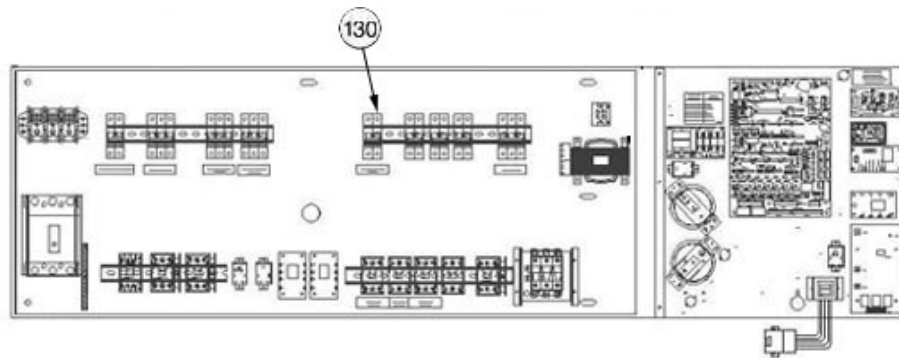
8.6.1. 50 Hz

8.6.1.1. Fused



Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
					72G	192G	240G	265G	363G	
					75A	199A	245A	290A	380A	
					86W	219W	267W	315W	412W	
130	E-6030	FUSEBLOCK 600V 2P 030A	380/415- 3-50/60	1	1	1	1	1	1	1
131	E-1951	FUSE DUAL ELMNT 600V 02.8AMP	380/415- 3-50/60	2	2	2	2	2	2	2
200	E-0130	RELAY 2P2T 24VAC COIL	380/415- 3-50/60	1	1	1	1	1	1	1
	E-2440	RELAY 3P2T 24VAC 125V MAXLOAD	380/415- 3-50/60	1	1	1	1	1	1	1

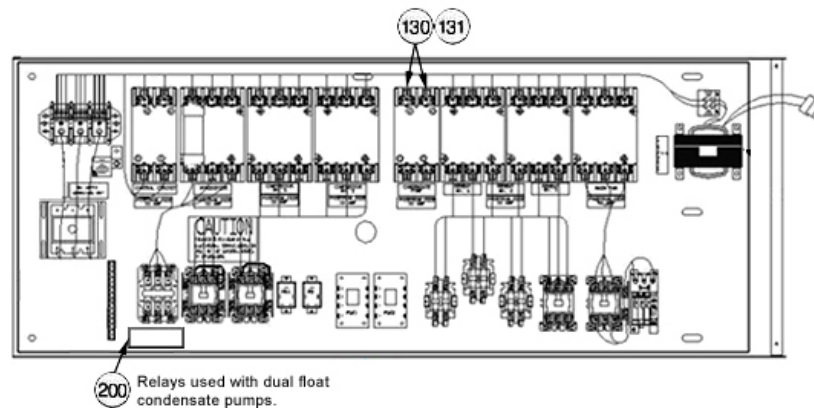
8.6.1.2. Circuit Breaker



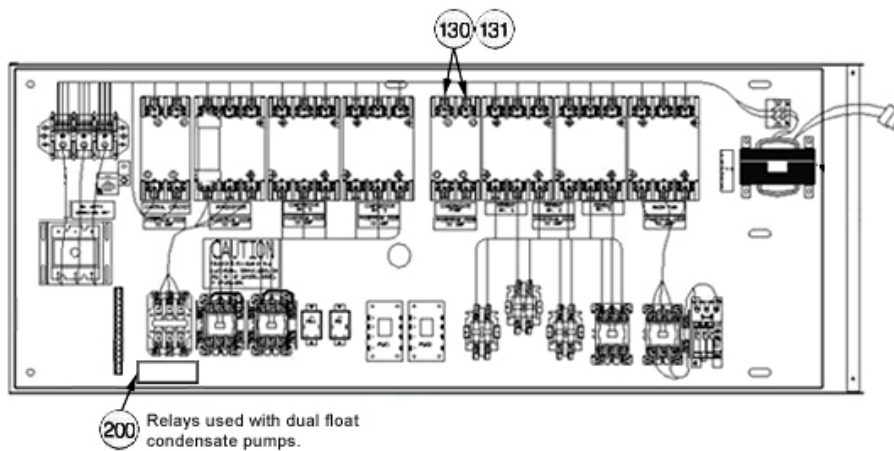
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
130	136240P5	CB MCB 2P 240/415V ABBS272- K3	380//415- 3-50/60	1	1	1	1	1	1	1

8.6.2. 60 Hz

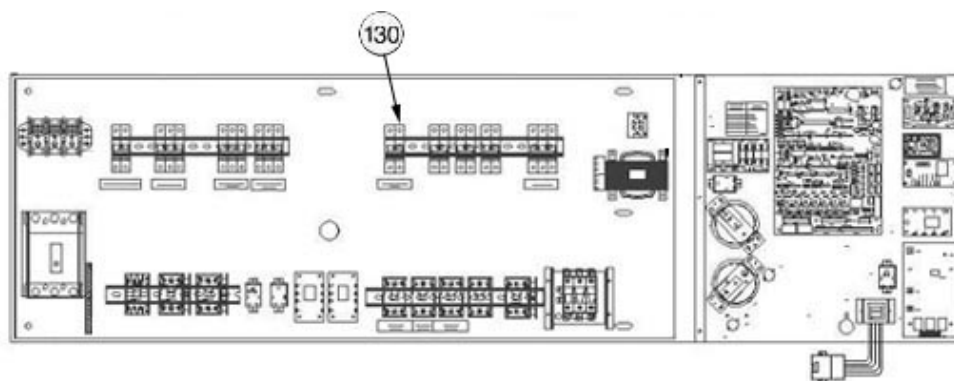
8.6.2.1. 208/230/460/575 Volts



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
130	E-6040	FUSEBLOCK 250V 2P 030A	208/230V	1	1	1	1	1	1	1
	E-6030	FUSEBLOCK 600V 2P 030A	460/575V	1	1	1	1	1	1	1
131	E-203D	FUSE DUAL ELMNT 250V 02.8AMP	208/230	2	2	2	2	2	2	2
	E-1951	FUSE DUAL ELMNT 600V 02.8AMP	460	2	2	2	2	2	2	2
	E-194C	FUSE DUAL ELMNT 600V 01.25AMP	575	2	2	2	2	2	2	2
200	E-0130	RELAY 2P2T 24VAC COIL	ALL	1	1	1	1	1	1	1
	Relay E-0130 is used with dual float condensate pumps on AM controls.									
	E-2440	RELAY 3P2T 24VAC 125V MAXLOAD	ALL	1	1	1	1	1	1	1
Relay E-2440 is used with dual float condensate pumps on SM controls.										

8.6.2.2. 380 Volts**8.6.2.2.1. Fused**

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
130	E-6030	FUSEBLOCK 600V 2P 030A	380-3-60Hz	1	1	1	1	1	1	1
131	E-1951	FUSE DUAL ELMNT 600V 02.8AMP	380-3-60Hz	2	2	2	2	2	2	
200	E-0130	RELAY 2P2T 24VAC COIL	208//575-3-60Hz	1	1	1	1	1	1	
	Relay E-0130 is used with dual float condensate pumps on AM controls.									
	E-2440	RELAY 3P2T 24VAC 125V MAXLOAD	380-3-60Hz	1	1	1	1	1	1	
Relay E-2440 is used with dual float condensate pumps on SM controls.										

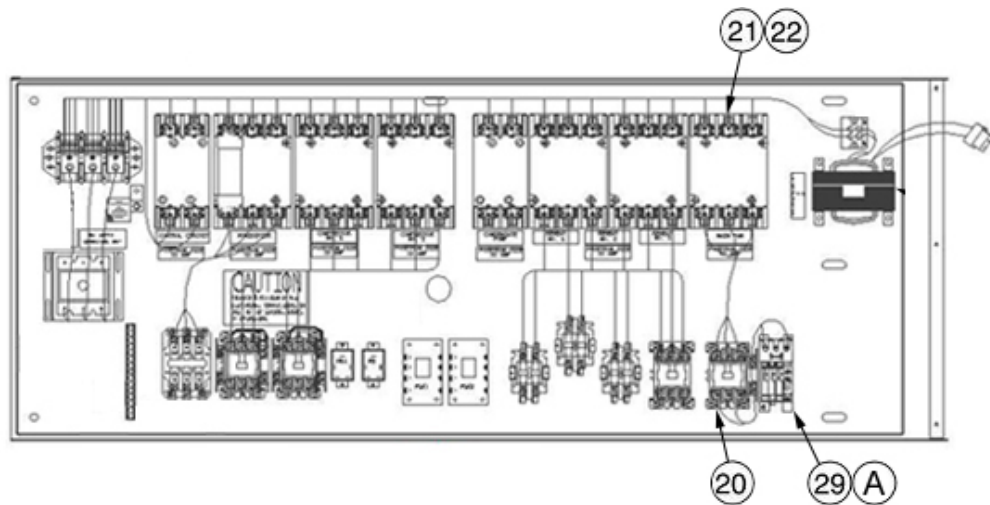
8.6.2.2.2. Circuit Breaker

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
130	136240P5	CB MCB 2P 240/415V ABBS272-K3	380-3-60Hz	1	1	1	1	1	1	

8.7. Motor

8.7.1. 50 Hz

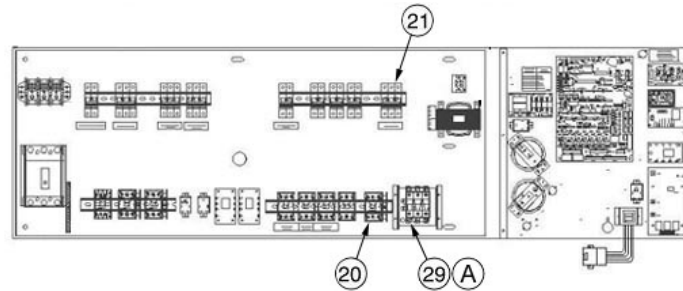
8.7.1.1. Fused



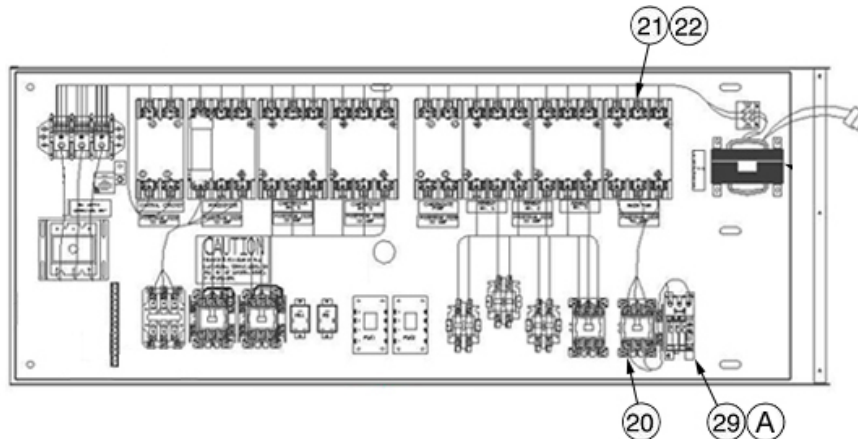
Item #	Part Number	Description	HP	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
20	124501P1	CONTACTOR 3PL 24VCOIL 15/20AMP	1.5HP	380/415- 3-50/60	1	1	1	1	1	1	1
	124503P1	CONTACTOR 3PL 24V 15/20 1NO1NC	1.5HP	380/415- 3-50/60	1	1	1	1	1	1	1
	123280P1	CONTACTOR 3PL 30/40 NO/NC AUX	7.5- 15HP	380/415- 3-50/60		1	1	1	1	1	1
	E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	7.5- 15HP	380/415- 3-50/60		1	1	1	1	1	1
	123282P1	CONTACTOR 3PL 50/63 NO/NC AUX	20HP	380/415- 3-50/60				1	1	1	1
	E-2500	CONTACTOR 3PL 24VCOIL 50/63AMP	20HP	380/415- 3-50/60				1	1	1	1
21	E-1050	FUSEBLOCK 600V 3P 030A	1- 10HP	380/415- 3-50/60	1	1	1	1	1	1	1
	E-105A	FUSEBLOCK 600V 3P 060A	15- 20HP	380/415- 3-50/60	1	1	1	1	1	1	1
22	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	1- 5HP	380/415- 3-50/60	3	3	3	3	3	3	3
	E-2020	FUSE DUAL ELMNT 600V 20.0AMP	7.5HP	380/415- 3-50/60	3	3	3	3	3	3	3
	E-3050	FUSE DUAL ELMNT 600V 25.0AMP	10HP	380/415- 3-50/60	3	3	3	3	3	3	3
	E-2023	FUSE DUAL ELMNT 600V 40.0AMP	15HP	380/415- 3-50/60	3	3	3	3	3	3	3
	E05-4170	FUSE DUAL ELMNT 600V 50.0AMP	20HP	380/415- 3-50/60	3	3	3	3	3	3	3
29	124547P1	OVERLOAD	N/A	380//415-	1	1	1	1	1	1	1

Item #	Part Number	Description	HP	Volts	72G 75A 86W	110G	111G	114A	115A	127W	128W	116G	121G	125A	130A	138W	143W	192G	240G	245A	267W	265G	290A	315W	363G	380A	412W
		RELAY W/B MNT 32A C-H		3-50/60																							
A	124549P1	HEATER CLASS 10 .283A-.420A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P2	HEATER CLASS 10 .384A-.623A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P3	HEATER CLASS 10 .570A-.924A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P4	HEATER CLASS 10 .846A-1.37A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P5	HEATER CLASS 10 1.28A-2.10A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P6	HEATER CLASS 10 1.92A-3.15A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P7	HEATER CLASS 10 2.30A-3.77A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P8	HEATER CLASS 10 3.38A-5.54A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P9	HEATER CLASS 10 4.96A-8.16A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P10	HEATER CLASS 10 7.07A-11.6A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P11	HEATER CLASS 10 9.6A-14.4A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P12	HEATER CLASS 10 14.4A-23.8A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P13	HEATER CLASS 10 18.7A-28.1A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	124549P14	HEATER CLASS 10 23.5A-34.8A C-H	N/A	208//575V	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
NOTE: The Heaters are selected based on the motor's Full Load Amps for the line voltage of the unit.																											

8.7.1.2. Circuit Breaker



Item #	Part Number	Description	HP	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
20	136221P1	CONTACTOR 3P16IND/21RES24/50	1.5HP	380/415- 3-50/60	1	1	1	1	1	1	1
	136223P1	CONTACTOR 3P30IND/40RES24	7.5- 10HP	380/415- 3-50/60	1	1	1	1	1	1	1
	136224P1	CONTACTOR 3P40IND/55RES24	15- 20HP	380/415- 3-50/60	1	1	1	1	1	1	1
	136231P1	CONTACTOR 3P16IND21RES24/50 AUX	1- 5HP	380/415- 3-50/60	1	1	1	1	1	1	1
	136233P1	CONTACTOR 3P30IND40RES24/50 AUX	7.5- 10HP	380/415- 3-50/60	1	1	1	1	1	1	1
	136234P1	CONTACTOR 3P40IND55RES24 AUX	15- 20HP	380/415- 3-50/60	1	1	1	1	1	1	1
NOTE: Contactor has external contact closure.											
21	136241P10	CB MCB 3P 240/415V ABBS273-K16	1- 5HP	380/415- 3-50/60	1	1	1	1	1	1	1
	136241P11	CB MCB 3P 240/415V ABBS273-K20	7.5HP	380/415- 3-50/60	1	1	1	1	1	1	1
	136241P12	CB MCB 3P 240/415V ABBS273-K25	10HP	380/415- 3-50/60	1	1	1	1	1	1	1
	136241P14	CB MCB 3P 240/415V ABBS273-K40	15- 20HP	380/415- 3-50/60	1	1	1	1	1	1	1
29	124547P1	OVERLOAD RELAY W/B MNT 32A C-H	N/A	380//415- 3-50/60	1	1	1	1	1	1	1
A	124549P1	HEATER CLASS 10 .283A-.420A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P2	HEATER CLASS 10 .384A-.623A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P3	HEATER CLASS 10 .570A-.924A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P4	HEATER CLASS 10 .846A-1.37A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P5	HEATER CLASS 10 1.28A-2.10A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P6	HEATER CLASS 10 1.92A-3.15A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P7	HEATER CLASS 10 2.30A-3.77A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P8	HEATER CLASS 10 3.38A-5.54A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P9	HEATER CLASS 10 4.96A-8.16A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P10	HEATER CLASS 10 7.07A-11.6A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P11	HEATER CLASS 10 9.6A-14.4A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P12	HEATER CLASS 10 14.4A-23.8A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P13	HEATER CLASS 10 18.7A-28.1A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P14	HEATER CLASS 10 23.5A-34.8A C-H	N/A	208//575V	3	3	3	3	3	3	3
NOTE: The Heaters are selected based on the motor's Full Load Amps for the line voltage of the unit.											

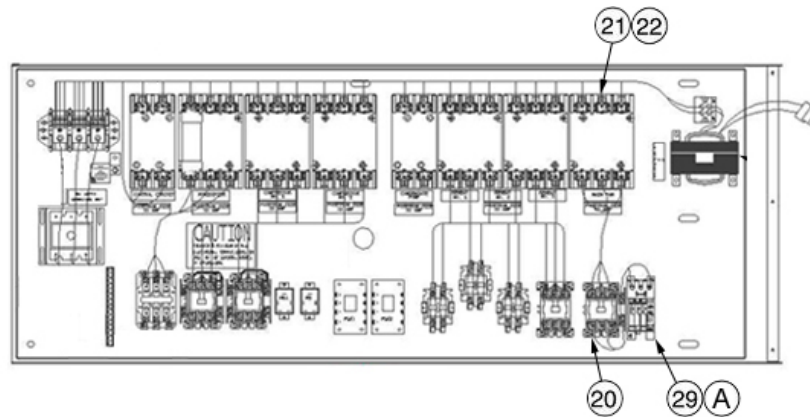
8.7.2. 60 Hz**8.7.2.1. 208/230/460/575**

Item #	Part Number	Description	HP	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
20	124501P1	CONTACTOR 3PL 24VCOIL 15/20AMP	1.3HP	208/230/ 460/575V	1	1	1	1	1	1	1
	E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	5HP	208/230/ 460/575V	1	1	1	1	1	1	1
	E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	10HP	208/230/ 460/575V	1	1	1	1	1	1	1
	E-0100	CONTACTOR 3PL 24VCOIL 65/75AMP	10- 15HP	208/230/ 460/575V	1	1	1	1	1	1	1
	E-2500	CONTACTOR 3PL 24VCOIL 50/63AMP	15HP	208/230/ 460/575V	1	1	1	1	1	1	1
	E-009H	CONTACTOR 3PL 24VCOIL 65/75AMP	20HP	208/230/ 460/575V	1	1	1	1	1	1	1
21	E-1020	FUSEBLOCK 250V 3P 030A	1- 5HP	208/230	1	1	1	1	1	1	1
	E-1040	FUSEBLOCK 250V 3P 060A	7.5- 10HP	208/230	1	1	1	1	1	1	1
	E-1041	FUSEBLOCK 250V 3P 100A	15- 20HP	208/230	1	1	1	1	1	1	1
	E-1050	FUSEBLOCK 600V 3P 030A	1- 10HP	460/575V	1	1	1	1	1	1	1
	E-105A	FUSEBLOCK 600V 3P 060A	15- 20HP	460/575V	1	1	1	1	1	1	1
22	E-2070	FUSE DUAL ELMNT 250V 15.0AMP	1- 3HP	208/230	3	3	3	3	3	3	3
	E-2080	FUSE DUAL ELMNT 250V 25.0AMP	5HP	208/230	3	3	3	3	3	3	3
	E-1200	FUSE DUAL ELMNT 250V 35.0AMP	7.5HP	208/230	3	3	3	3	3	3	3
	E-6050	FUSE DUAL ELMNT 250V 45.0AMP	10HP	208/230	3	3	3	3	3	3	3
	E-116A	FUSE DUAL ELMNT 250V 70.0AMP	15HP	208/230	3	3	3	3	3	3	3
	E-1120	FUSE DUAL ELMNT 250V 90.0AMP	20HP	208/230	3	3	3	3	3	3	3
	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	1- 7.5HP	460/575	3	3	3	3	3	3	3
	E-2020	FUSE DUAL ELMNT 600V 20.0AMP	10HP	460	3	3	3	3	3	3	3
	E-2021	FUSE DUAL ELMNT 600V 35.0AMP	15HP	460/575	3	3	3	3	3	3	3
	E05-3810	FUSE DUAL ELMNT 600V 45.0AMP	20HP	460	3	3	3	3	3	3	3
	E-2730	FUSE DUAL ELMNT 600V 17.5AMP	10HP	575	3	3	3	3	3	3	3
	E-3050	FUSE DUAL ELMNT 600V 25.0AMP	15HP	575	3	3	3	3	3	3	3
29	124547P1	OVERLOAD RELAY W/B MNT 32A C-H	-	208//575V	1	1	1	1	1	1	1
	124549P1	HEATER CLASS 10	N/A	208//575V	3	3	3	3	3	3	3

Item #	Part Number	Description	HP	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
					72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
A		.283A-.420A C-H									
	124549P2	HEATER CLASS 10 .384A-.623A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P3	HEATER CLASS 10 .570A-.924A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P4	HEATER CLASS 10 .846A-1.37A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P5	HEATER CLASS 10 1.28A-2.10A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P6	HEATER CLASS 10 1.92A-3.15A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P7	HEATER CLASS 10 2.30A-3.77A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P8	HEATER CLASS 10 3.38A-5.54A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P9	HEATER CLASS 10 4.96A-8.16A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P10	HEATER CLASS 10 7.07A-11.6A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P11	HEATER CLASS 10 9.6A-14.4A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P12	HEATER CLASS 10 14.4A-23.8A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P13	HEATER CLASS 10 18.7A-28.1A C-H	N/A	208//575V	3	3	3	3	3	3	3
	124549P14	HEATER CLASS 10 23.5A-34.8A C-H	N/A	208//575V	3	3	3	3	3	3	3
NOTE: The Heaters are selected based on the motor's Full Load Amps for the line voltage of the unit.											

8.7.2.2. 380

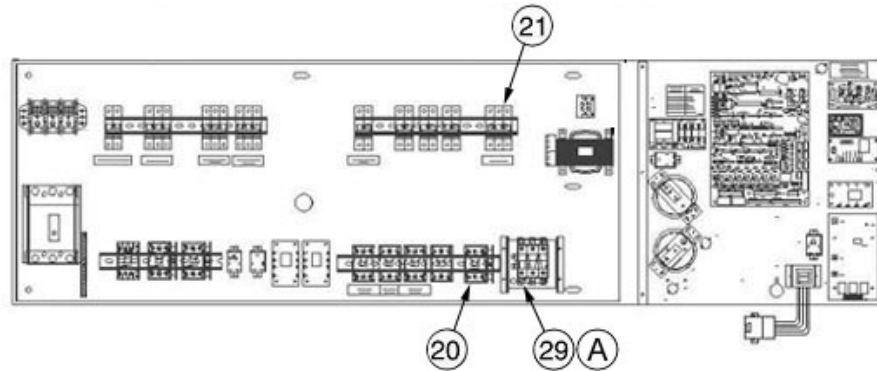
8.7.2.2.1. Fused



Item #	Part Number	Description	HP	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
					72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
20	124503P1	CONTACTOR 3PL 24V 15/20 1NO1NC	1-5HP	380-3- 60Hz	1	1	1	1	1	1	
	124501P1	CONTACTOR 3PL 24VCOIL 15/20AMP	1-5HP	380-3- 60Hz	1	1	1	1	1	1	
	E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	7.5- 15Hp	380-3- 60Hz	1	1	1	1	1	1	
	123280P1	CONTACTOR 3PL 30/40 NO/NC AUX	7.5- 15Hp	380-3- 60Hz	1	1	1	1	1	1	
	E-2500	CONTACTOR 3PL 24VCOIL 40/50AMP	20Hp	380-3- 60Hz	1	1	1	1	1	1	
	123282P1	CONTACTOR 3PL 24VCOIL 50/63AMP	20Hp	380-3- 60Hz	1	1	1	1	1	1	
	NOTE: 124503P1, 123280P1, 123282P1 Contactors have external contact closure.										
21	E-1050	FUSEBLOCK 600V 3P 030A	1- 10HP	380-3- 60Hz	1	1	1	1	1	1	

Item #	Part Number	Description	HP	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
	E-105A	FUSEBLOCK 600V 3P 060A	15-20HP	380-3-60Hz	1	1	1	1	1	1	
22	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	1-5HP	380-3-60Hz	3	3	3	3	3	3	
	E-2020	FUSE DUAL ELMNT 600V 20.0AMP	7.5HP	380-3-60Hz	3	3	3	3	3	3	
	E-3050	FUSE DUAL ELMNT 600V 25.0AMP	10HP	380-3-60Hz	3	3	3	3	3	3	
	E-2023	FUSE DUAL ELMNT 600V 40.0AMP	15HP	380-3-60Hz	3	3	3	3	3	3	
	E05-4170	FUSE DUAL ELMNT 600V 50.0AMP	20HP	380-3-60Hz	3	3	3	3	3	3	
29	124547P1	OVERLOAD RELAY W/B MNT 32A C-H	-	380-3-60Hz	1	1	1	1	1	1	
A	124549P1	HEATER CLASS 10 .283A-.420A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P2	HEATER CLASS 10 .384A-.623A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P3	HEATER CLASS 10 .570A-.924A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P4	HEATER CLASS 10 .846A-1.37A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P5	HEATER CLASS 10 1.28A-2.10A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P6	HEATER CLASS 10 1.92A-3.15A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P7	HEATER CLASS 10 2.30A-3.77A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P8	HEATER CLASS 10 3.38A-5.54A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P9	HEATER CLASS 10 4.96A-8.16A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P10	HEATER CLASS 10 7.07A-11.6A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P11	HEATER CLASS 10 9.6A-14.4A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P12	HEATER CLASS 10 14.4A-23.8A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P13	HEATER CLASS 10 18.7A-28.1A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
	124549P14	HEATER CLASS 10 23.5A-34.8A C-H	N/A	380-3-60Hz	3	3	3	3	3	3	3
NOTE: The Heaters are selected based on the motor's Full Load Amps for the line voltage of the unit.											

8.7.2.2.2. Circuit Breaker



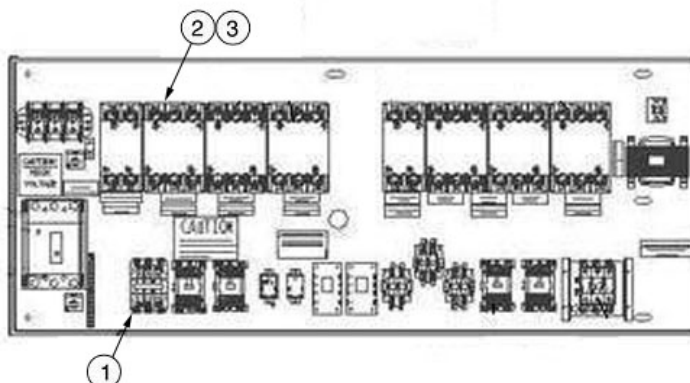
Item #	Part Number	Description	HP	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
20	136221P1	CONTACTOR 3P16IND/21RES24/50	1- 5HP	380-3- 60Hz	1	1	1	1	1	1	
	136223P1	CONTACTOR 3P30IND/40RES24	7.5- 10H P	380-3- 60Hz	1	1	1	1	1	1	
	136224P1	CONTACTOR 3P40IND/55RES24	15- 20H P	380-3- 60Hz	1	1	1	1	1	1	
	136231P1	CONTACTOR 3P16IND21RES24/50A UX	1.5H P	380-3- 60Hz	1	1	1	1	1	1	
	136233P1	CONTACTOR 3P30IND40RES24/50A UX	7.5- 10H P	380-3- 60Hz	1	1	1	1	1	1	
	136234P1	CONTACTOR 3P40IND55RES24 AUX	15- 20H P	380-3- 60Hz	1	1	1	1	1	1	
NOTE: Contactor has external contact closure.											
21	136241P10	CB MCB 3P 240/415V ABBS273-K16	1- 5HP	380-3- 60Hz	1	1	1	1	1	1	
	136241P11	CB MCB 3P 240/415V ABBS273-K20	7.5H P	380-3- 60Hz	1	1	1	1	1	1	
	136241P12	CB MCB 3P 240/415V ABBS273-K25	10H P	380-3- 60Hz	1	1	1	1	1	1	
	136241P14	CB MCB 3P 240/415V ABBS273-K40	15- 20H P	380-3- 60Hz	1	1	1	1	1	1	
29	124547P1	OVERLOAD RELAY W/B MNT 32A C-H		380-3- 60Hz	1	1	1	1	1	1	
A	124549P1	HEATER CLASS 10 .283A-.420A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P2	HEATER CLASS 10 .384A-.623A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P3	HEATER CLASS 10 .570A-.924A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P4	HEATER CLASS 10 .846A-1.37A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P5	HEATER CLASS 10 1.28A-2.10A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P6	HEATER CLASS 10 1.92A-3.15A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P7	HEATER CLASS 10 2.30A-3.77A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P8	HEATER CLASS 10 3.38A-5.54A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P9	HEATER CLASS 10 4.96A-8.16A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P10	HEATER CLASS 10 7.07A-11.6A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P11	HEATER CLASS 10 9.6A-14.4A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P12	HEATER CLASS 10	N/A	208//57	3	3	3	3	3	3	3

Item #	Part Number	Description	HP	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
		14.4A-23.8A C-H		5V							
	124549P13	HEATER CLASS 10 18.7A-28.1A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
	124549P14	HEATER CLASS 10 23.5A-34.8A C-H	N/A	208//57 5V	3	3	3	3	3	3	3
NOTE: The Heaters are selected based on the motor's Full Load Amps for the line voltage of the unit.											

8.8. Humidifier IR

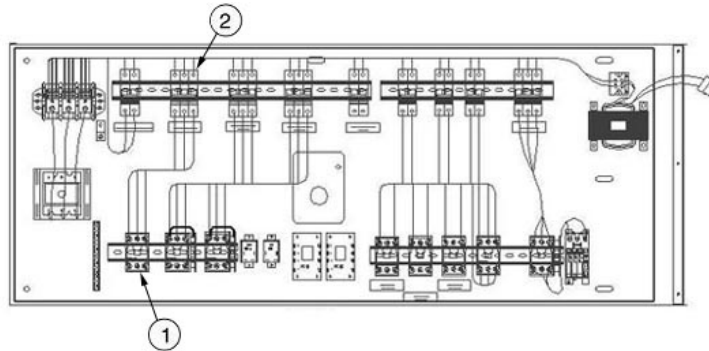
8.8.1. 50 Hz

8.8.1.1. Fused



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380/415-3- 50/60	1						
	E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	380/415-3- 50/60		1	1	1	1	1	1
2	E-1050	FUSEBLOCK 600V 3P 030A	380/415-3- 50/60	1	1	1	1	1	1	1
3	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/415-3- 50/60	3						
	E-2020	FUSE DUAL ELMNT 600V 20.0AMP	380/415-3- 50/60		3	3	3	3	3	3

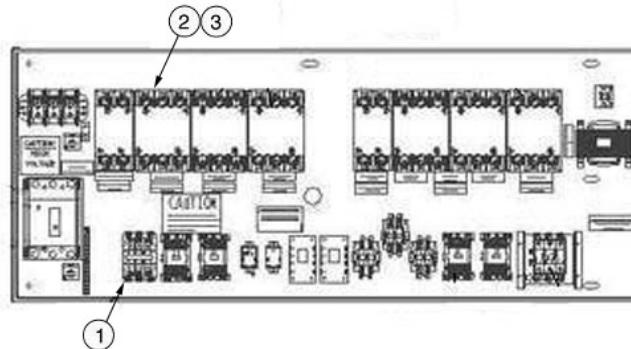
8.8.1.2. Circuit Breaker



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	136222P1	CONTACTOR 3P23IND/32RES24/50	380/415-3-50/60	1						
	136224P1	CONTACTOR 3P40IND/55RES24	380/415-3-50/60		1	1	1	1	1	1
2	136241P10	CB MCB 3P 240/415V ABBS273-K16	380/415-3-50/60	1						
	136241P11	CB MCB 3P 240/415V ABBS273-K20	380/415-3-50/60		1	1	1	1	1	1

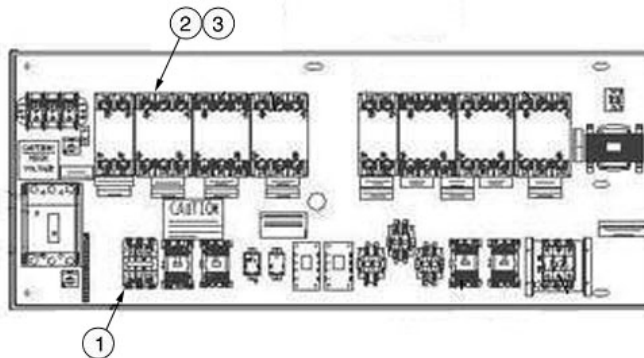
8.8.2. 60 Hz

8.8.2.1. 208/230/460/575 V



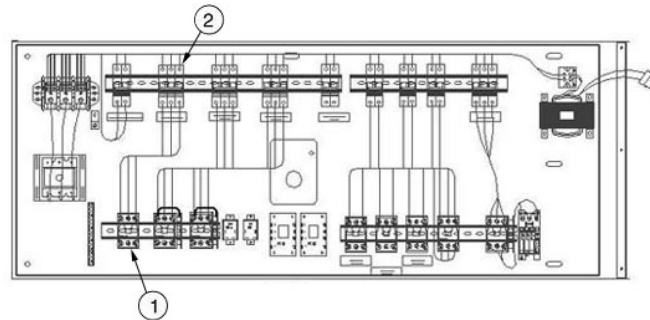
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	E-011C	CONTACTOR 2PL 24VCOIL 40/50AMP	575	1	1	1	1			
	E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	208/230/460	1	1	1	1	1	1	1
			575					1	1	1
2	E-1040	FUSEBLOCK 250V 3P 060A	208	1	1	1	1	1	1	1
	E-1020	FUSEBLOCK 250V 3P 030A	230	1	1	1	1	1	1	1
	E-1050	FUSEBLOCK 600V 3P 030A	460	1	1	1	1	1	1	
			575					1	1	1
	E-6030	FUSEBLOCK 600V 2P 030A	575	1	1	1	1			

Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
3	E-1200	FUSE DUAL ELMNT 250V 35.0AMP	208	3	3	3	3	3	3	3
	E-2090	FUSE DUAL ELMNT 250V 30.0AMP	230	3	3	3	3	3	3	3
	E-2020	FUSE DUAL ELMNT 600V 20.0AMP	460	3	3	3	3			
			575	3	3	3	3			
	E-2730	FUSE DUAL ELMNT 600V 17.5AMP	460					3	3	3
	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	575					3	3	3

8.8.2.2. 380 V**8.8.2.2.1. Fused**

Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380-3- 60Hz	1						
	E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	380-3- 60Hz		1	1	1	1	1	
2	E-1050	FUSEBLOCK 600V 3P 030A	380-3- 60Hz	1	1	1	1	1	1	
3	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380-3- 60Hz	3						
	E-2020	FUSE DUAL ELMNT 600V 20.0AMP	380-3- 60Hz		3	3	3	3	3	

8.8.2.2.2. Circuit Breaker

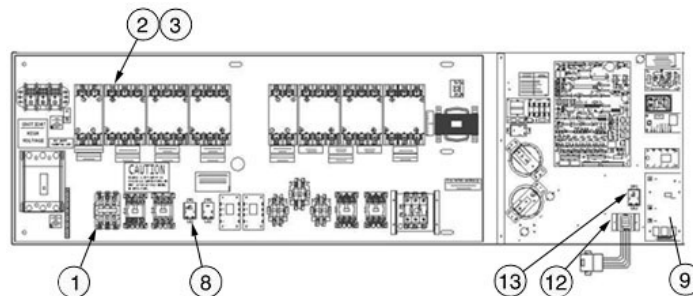


Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	136222P1	CONTACTOR 3P23IND/32RES24/50	380-3-60Hz	1						
	136224P1	CONTACTOR 3P40IND/55RES24	380-3-60Hz		1	1	1	1	1	
2	136241P10	CB MCB 3P 240/415V ABBS273-K16	380-3-60Hz	1						
	136241P11	CB MCB 3P 240/415V ABBS273-K20	380-3-60Hz		1	1	1	1	1	

8.9. Humidifier SG

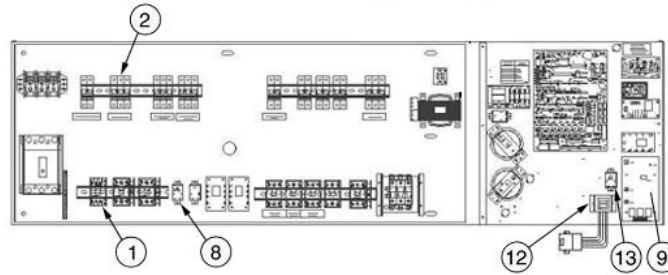
8.9.1. 50Hz

8.9.1.1. Fused



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380//415	1	1	1	1	1	1	1
2	E-1050	FUSEBLOCK 600V 3P 030A	380/415-3-50/60	1	1	1	1	1	1	1
3	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/415-3-50/60	3						
	E-2730	FUSE DUAL ELMNT 600V 17.5AMP	380/415-3-50/60		3	3	3	3	3	3
8	E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1
9	183116P1S	KIT HUMIDIFIER CONTROL BOARD	380/415-3-50/60	1	1	1	1	1	1	1
12	121794P1	SW MANUAL DRAIN HUM(H-TYPE)	380/415-3-50/60	1	1	1	1	1	1	1
13	E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1

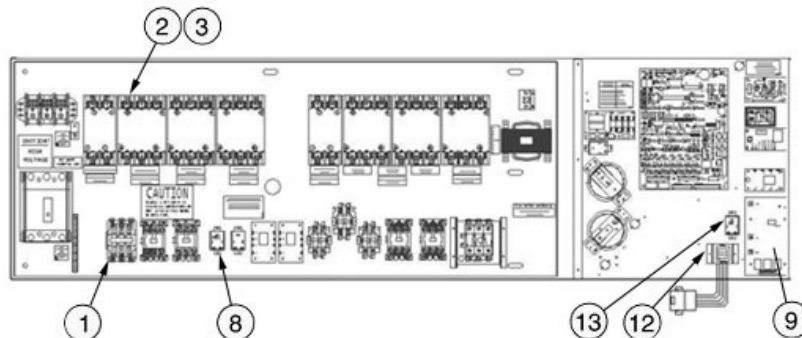
8.9.1.2. Circuit Breaker



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	136222P1	CONTACTOR 3P23IND/32RES24/50	380/415-3-50/60	1	1	1	1	1	1	1
2	136241P10	CB MCB 3P 240/415V ABBS273-K16	380/415-3-50/60	1						
	136241P11	CB MCB 3P 240/415V ABBS273-K20	380/415-3-50/60		1	1	1	1	1	1
8	E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1
9	140654P1	PWA CNTL STM GEN HUM 2	380/415-3-50/60	1	1	1	1	1	1	1
12	121794P1	SW MANUAL DRAIN HUM(H-TYPE)	380/415-3-50/60	1	1	1	1	1	1	1
13	E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1

8.9.2. 60Hz

8.9.2.1. 208/230/460/575 Volts

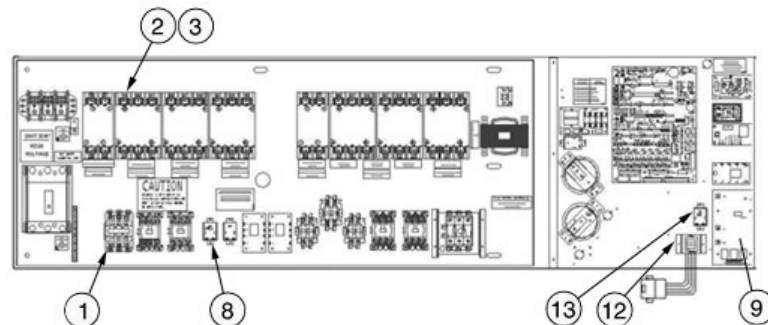


Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	208				1	1	1	1
	E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	208 230/ 460/575	1 1	1 1	1 1	1 1	1 1	1 1	1 1
2	E-1020	FUSEBLOCK 250V 3P 030A	208	1	1	1				
			230	1	1	1	1	1	1	1
	E-1040	FUSEBLOCK 250V 3P 060A	208V				1	1	1	1
	E-1050	FUSEBLOCK 600V 3P 030A	460/575V	1	1	1	1	1	1	1
3	E-2740	FUSE DUAL	208	3	3	3				

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
		ELMNT 250V 17.5AMP								
	E-2070	FUSE DUAL ELMNT 250V 15.0AMP	230	3	3	3				
	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	460/575	3	3	3	3	3	3	3
	E-1200	FUSE DUAL ELMNT 250V 35.0AMP	280				3	3	3	3
	E-2090	FUSE DUAL ELMNT 250V 30.0AMP	230				3	3	3	3
8	E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1
9	140654P1	PWA CNTL STM GEN HUM 2	208/575V	1	1	1	1	1	1	1
12	121794P1	SW MANUAL DRAIN HUM(H- TYPE)	208//575V	1	1	1	1	1	1	1
13	E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1

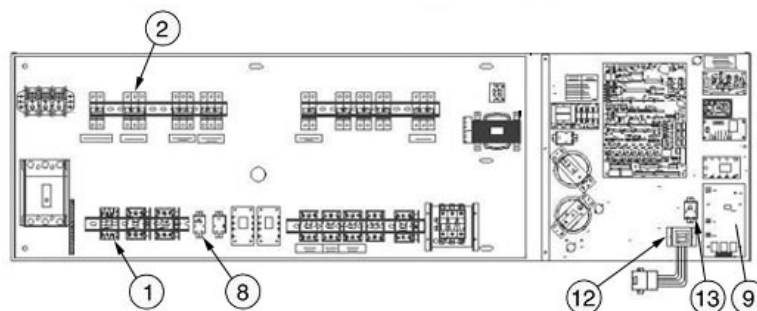
8.9.2.2. 380 Volts

8.9.2.2.1. Fused



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380-3-60Hz	1	1	1	1	1	1	
2	E-1050	FUSEBLOCK 600V 3P 030A	380-3-60Hz	1	1	1	1	1	1	
3	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380-3-60Hz	3						
	E-2730	FUSE DUAL ELMNT 600V 17.5AMP	380-3-60Hz		3	3	3	3	3	3
8	E03-0170	RELAY 1P2T 24V 50/60HZ	380-3-60Hz	1	1	1	1	1	1	
9	140654P1	PWA CNTL STM GEN HUM 2	380-3-60Hz	1	1	1	1	1	1	
12	121794P1	SW MANUAL DRAIN HUM(H- TYPE)	380-3-60Hz	1	1	1	1	1	1	
13	E03-0170	RELAY 1P2T 24V 50/60HZ	380-3-60Hz	1	1	1	1	1	1	

8.9.2.2.2. Circuit Breaker

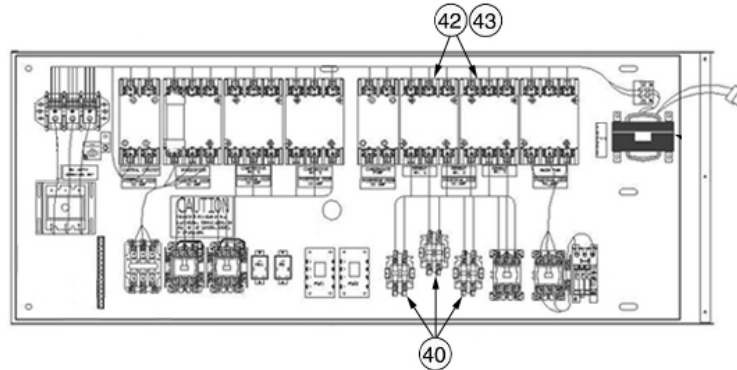


Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	136222P1	CONTACTOR 3P23IND/32RES24/50	380-3- 60Hz	1	1	1	1	1	1	
2	136241P10	CB MCB 3P 240/415V ABBS273-K16	380-3- 60Hz	1						
	136241P11	CB MCB 3P 240/415V ABBS273-K20	380-3- 60Hz		1	1	1	1	1	
8	E03-0170	RELAY 1P2T 24V 50/60HZ	380-3- 60Hz	1	1	1	1	1	1	
9	140654P1	PWA CNTL STM GEN HUM 2	380-3- 60Hz	1	1	1	1	1	1	
12	121794P1	SW MANUAL DRAIN HUM(H-TYPE)	380-3- 60Hz	1	1	1	1	1	1	
13	E03-0170	RELAY 1P2T 24V 50/60HZ	380-3- 60Hz	1	1	1	1	1	1	

8.10. Reheat 1st Stage

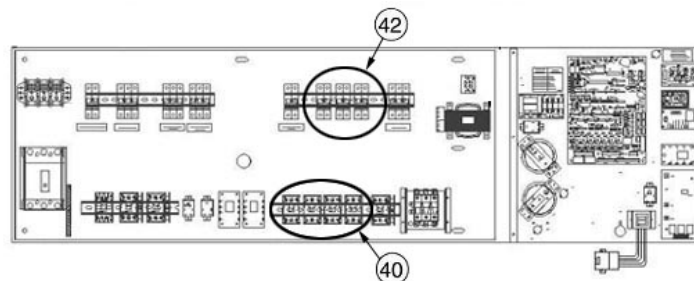
8.10.1. 50 Hz

8.10.1.1. Fused

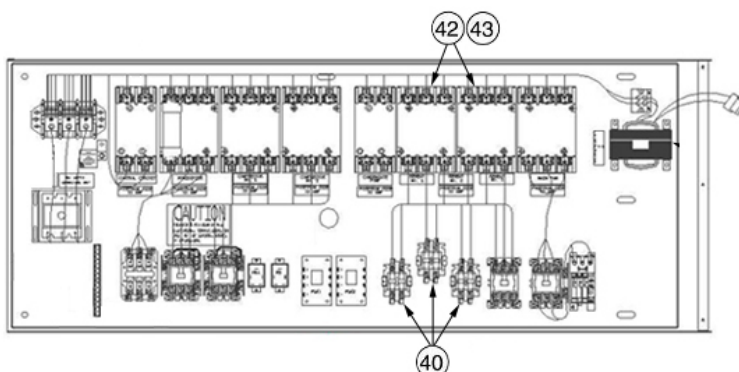


Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
40	E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	380/415-3-50/60	2	2	2	2	2	2	2
42	E-6030	FUSEBLOCK 600V 2P 030A	380/415-3-50/60	1	1	1	1	1	1	1
43	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/415-3-50/60	2	2	2				
	E-1100	FUSE DUAL ELMNT 600V 30.0AMP	380/415-3-50/60				2	2	2	2

8.10.1.2. Circuit Breaker



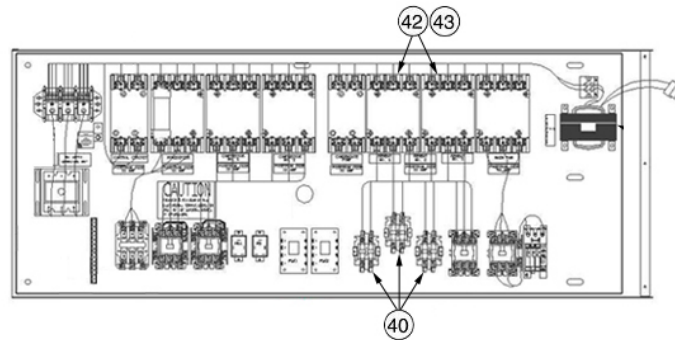
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
40	136222P1	CONTACTOR 3P23IND/32RES24/50	380/415-3-50/60	2	2	2	2	2	2	2
42	136240P10	CB MCB 2P 240/415V ABBS272-K16	380//415-3-50/60	1	1	1				
	136240P13	CB MCB 2P 240/415V ABBS272-K32	380//415-3-50/60				1			
	136240P14	CB MCB 2P 240/415V ABBS272-K40	380//415-3-50/60					1	1	1

8.10.2. 60Hz**8.10.2.1. 208/230/460/575 Volts**

Item #	Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
				75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
40	E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	208/230	2	2	2				
	E-011C	CONTACTOR 2PL 24VCOIL 40/50AMP	460/575	2	2	2	2	2	2	2
42	E-6040	FUSEBLOCK 250V 2P 030A	208	1						
			230	1	1	1				
	E-6030	FUSEBLOCK 600V 2P 030A	460/575	1	1	1	1	1	1	1
	129629P1	FUSEBLOCK 250V 2P 060A	208		1	1	1	1	1	1
43			230				1	1	1	1
	E-1230	FUSE DUAL ELMNT 250V 20.0AMP	208/230	2						
	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	460/575	2	2	2				
	E-1200	FUSE DUAL ELMNT 250V 35.0AMP	208		2	2				
	E-2090	FUSE DUAL ELMNT 250V 30.0AMP	230		2	2				
	E-3060	FUSE DUAL ELMNT 250V 50.0AMP	230				2			
	E-2020	FUSE DUAL ELMNT 600V 20.0AMP	575				2			
	E-1160	FUSE DUAL ELMNT 250V 60.0AMP	208				2	2	2	2
			230					2	2	2
	E-1100	FUSE DUAL ELMNT 600V 30.0AMP	460					2	2	2
E-3050			460				2			
			575					2	2	2

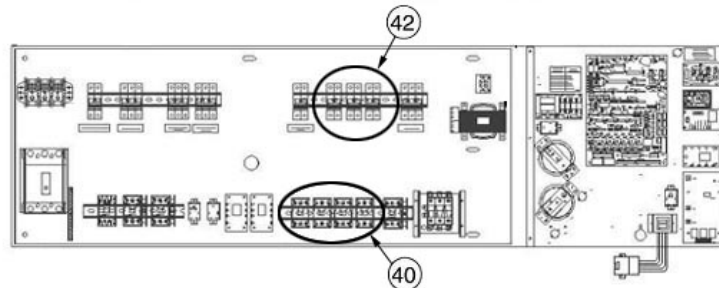
8.10.2.2. 380 Volts

8.10.2.2.1. Fused



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
40	E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	380-3- 60Hz	2	2	2	2	2	3	
42	E-6030	FUSEBLOCK 600V 2P 030A	380-3- 60Hz	1	1	1	1	1	1	
43	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380-3- 60Hz	2	2	2				
	E-1100	FUSE DUAL ELMNT 600V 30.0AMP	380-3- 60Hz				2	2	2	

8.10.2.2.2. Circuit Breaker

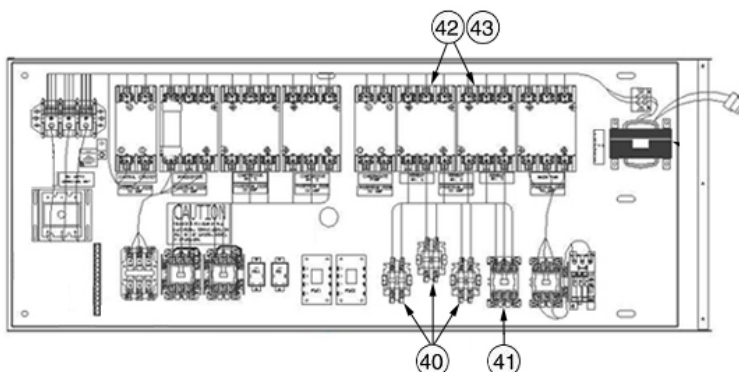


Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
40	136222P1	CONTACTOR 3P23IND/32RES24/50	380-3- 60Hz	2	2	2	2	2	2	
42	136240P10	CB MCB 2P 240/415V ABBS272-K16	380-3-60	1	1	1				
	136240P13	CB MCB 2P 240/415V ABBS272-K32	380-3-60				1			
	136240P14	CB MCB 2P 240/415V ABBS272-K40	380-3-60					1	1	1

8.11. Reheat 3 Stage

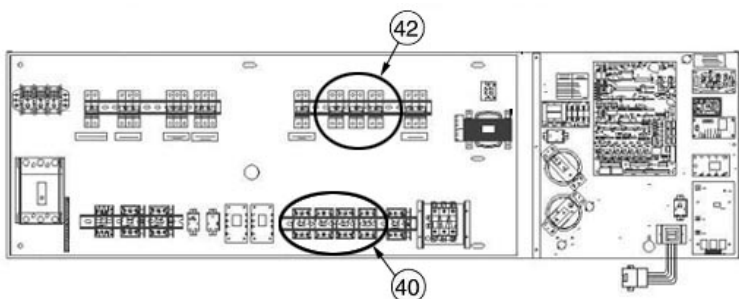
8.11.1. 50 Hz

8.11.1.1. Fused



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
40	E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	380/415-3-50/60	3	3	3	3	3	3	3
41	E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380//415	1	1	1	1	1	1	1
42	E-1050	FUSEBLOCK 600V 3P 030A	380//415-3-50/60	2	2	2	2			
	E-105A	FUSEBLOCK 600V 3P 060A	380//415-3-50/60					2	2	2
43	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380//415-3-50/60	6	6	6				
	E-1100	FUSE DUAL ELMNT 600V 30.0AMP	380//415-3-50/60				6			
	E-2021	FUSE DUAL ELMNT 600V 35.0AMP	380//415-3-50/60					6	6	6

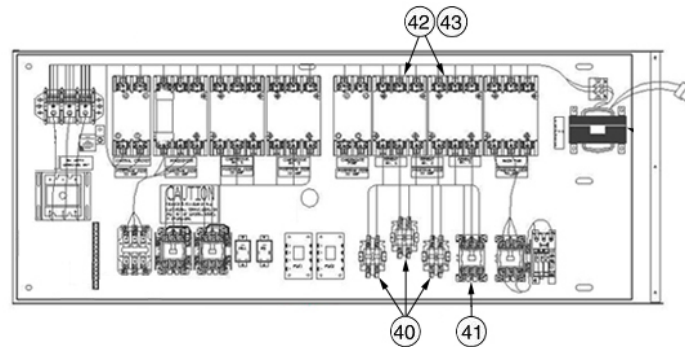
8.11.1.2. Circuit Breaker



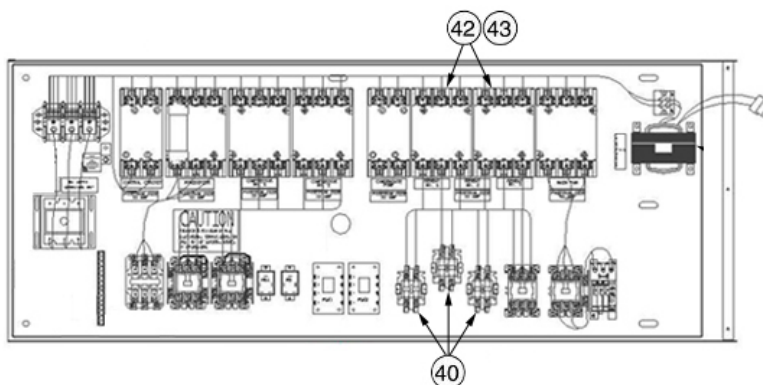
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
40	136222P1	CONTACTOR 3P23IND/32RES24/50	380/415-3-50/60	4	4	4	4	4	4	4
42	136240P10	CB MCB 2P 240/415V ABBS272-K16	380//415-3-50	3	3	3				
	136240P13	CB MCB 2P 240/415V ABBS272-K32	380//415-3-50				3			
	136240P14	CB MCB 2P 240/415V ABBS272-K40	380//415-3-50					3	3	3

8.11.2. 60 Hz

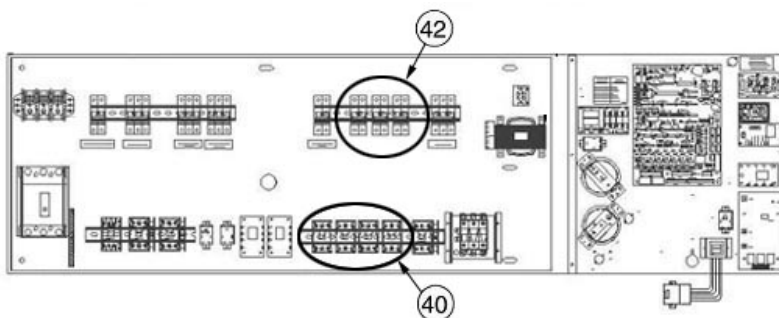
8.11.2.1. 208/230/460/575 Volts



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
					72G 75A 86W		192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
40	E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	208/230 460/575	3 3	3 3	3 3	3 3	3 3	3 3	3 3
	E-011C	CONTACTOR 2PL 24VCOIL 40/50AMP	208/230				3	3	3	3
41	E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	208/230 460/575V	1 1	1 1	1 1	1 1	1 1	1 1	1 1
	E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	208/230V				1	1	1	1
42	E-1020	FUSEBLOCK 250V 3P 030A	208 230	2 2		2 2				
			208 230				2 2	2 2	2 2	2 2
	E-1040	FUSEBLOCK 250V 3P 060A	208 230				2 2	2 2	2 2	2 2
			208 230				2 2	2 2	2 2	2 2
43	E-1050	FUSEBLOCK 600V 3P 030A	460/575	2	2	2	2	2	2	2
	E-1230	FUSE DUAL ELMNT 250V 20.0AMP	208/230	6						
	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	460/575	6	6	6				
	E-1200	FUSE DUAL ELMNT 250V 35.0AMP	208		6	6				
	E-2090	FUSE DUAL ELMNT 250V 30.0AMP	230		6	6				
	E-1160	FUSE DUAL ELMNT 250V 60.0AMP	208 230				6 6	6 6	6 6	6 6
			230				6			
	E-3060	FUSE DUAL ELMNT 250V 50.0AMP	230				6			
	E-1100	FUSE DUAL ELMNT 600V 30.0AMP	460					6	6	6
	E-3050	FUSE DUAL ELMNT 600V 25.0AMP	460 575				6 6			6 6
			575				6			
	E-2020	FUSE DUAL ELMNT 600V 20.0AMP	575				6			

8.11.2.2. 380 Volts**8.11.2.2.1. Fused**

Item #	Part Number	Description	Volts		110G	116G					
					111G	121G					
				72G	114A	125A					
				75A	115A	130A	192G	240G	265G	363G	
				86W	127W	138W	199A	245A	290A	380A	
					128W	143W	219W	267W	315W	412W	
40	E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	380-3-60Hz	3	3	3	3	3	3		
	E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380-3-60Hz	1	1	1	1	1	1		
42	E-1050	FUSEBLOCK 600V 3P 030A	380-3-60Hz	2	2	2	2				
	E-105A	FUSEBLOCK 600V 3P 060A	380-3-60Hz					2	2		
43	E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380-3-60Hz	6	6	6					
	E-1100	FUSE DUAL ELMNT 600V 30.0AMP	380-3-60Hz				6				
	E-2021	FUSE DUAL ELMNT 600V 35.0AMP	380-3-60Hz					6	6		

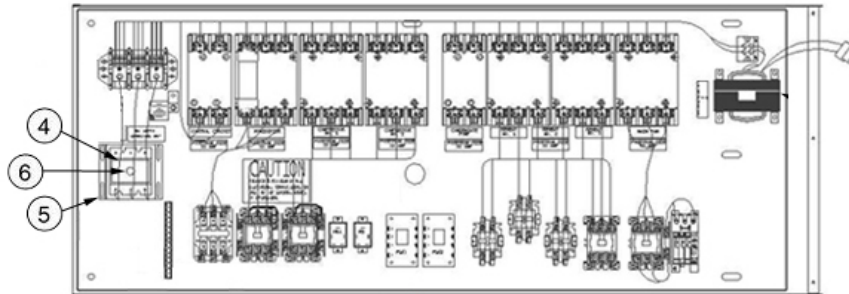
8.11.2.2.2. Circuit Breaker

Item #	Part Number	Description	Volts		110G	116G					
					111G	121G					
				72G	114A	125A					
				75A	115A	130A	192G	240G	265G	363G	
				86W	127W	138W	199A	245A	290A	380A	
					128W	143W	219W	267W	315W	412W	
40	136222P1	CONTACTOR 3P23IND/32RES24/50	380-3-60Hz	4	4	4	4	4	4		
42	136240P10	CB MCB 2P 240/415V ABBS272-K16	380/415-3-50	3	3	3					
	136240P13	CB MCB 2P 240/415V ABBS272-K32	380/415-3-50				3				
	136240P14	CB MCB 2P 240/415V ABBS272-K40	380/415-3-50					3	3	3	

8.12. Panel Disconnect

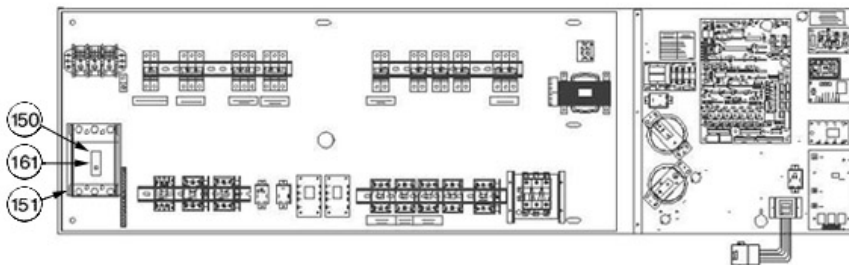
8.12.1. 50 Hz Fused / CB

8.12.1.1. Klockner Moeller Disconnect

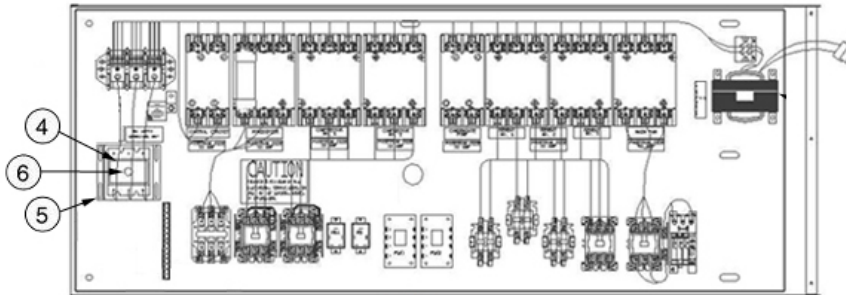


Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
					72G	192G				
					75A	199A				
					86W	219W				
						240G				
						245A				
						267W				
						265G				
						290A				
						315W				
						363G				
						380A				
						412W				
4	1C18354P1	COLLAR LKG DISC W/2 SCREWS KM	380/415-3- 50/60	1	1	1	1	1	1	1
5	1C18603P1	BRKT DISC K/M	380/415-3- 50/60	1	1	1	1	1	1	1
6	1C18351P2	SW DISC 600V 3PL 60A	380/415-3- 50/60	1	1	1				
	1C18351P1	SW DISC 600V 3PL 100A	380/415-3- 50/60				1	1	1	1

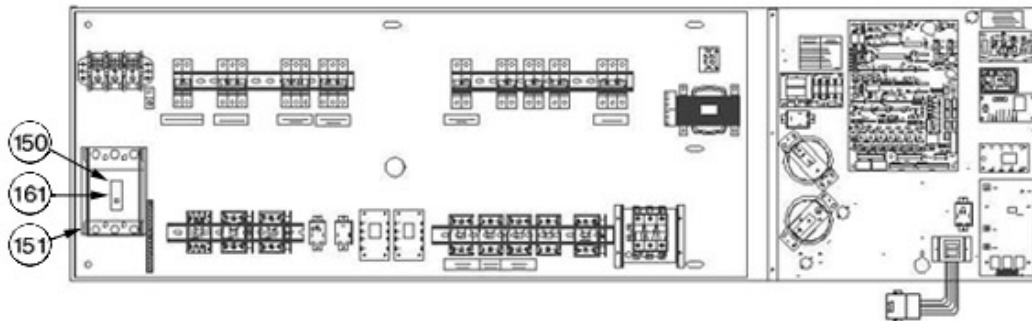
8.12.1.2. General Electric Disconnect



Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A				
					127W	138W				
					128W	143W				
					72G	192G				
					75A	199A				
					86W	219W				
						240G				
						245A				
						267W				
						265G				
						290A				
						315W				
						363G				
						380A				
						412W				
150	E02-2880	SW DISC 480V 3PL 100A 120V	380/415- 3-50/60	1	1	1	1	1	1	1
151	F02-2130	BRKT LKDISC OPER 100	380/415- 3-50/60	1	1	1	1	1	1	1
	F02-2150	BRKT NON LKDISC OPER 100	380/415- 3-50/60	1	1	1	1	1	1	1
161	E-288A	SW DISC LOKG HANDLE ROTARY	380/415- 3-50/60	1	1	1	1	1	1	1
	E-288B	SW DISC LOKG RING CATCH	380/415- 3-50/60	1	1	1	1	1	1	1

8.12.2. 60 Hz**8.12.2.1. 208/230/460/575V****8.12.2.1.1. Klockner Moeller Disconnect**

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
4	1C18354P1	COLLAR LKG DISC W/2 SCREWS KM	208//575	1	1	1	1	1	1	1
5	1C18603P1	BRKT DISC K/M	208//575	1	1	1	1	1	1	1
6	1C18351P2	SW DISC 600V 3PL 60A	460/575	1	1	1				
	1C18351P1	SW DISC 600V 3PL 100A	208/230 460/575	1	1	1	1	1	1	1

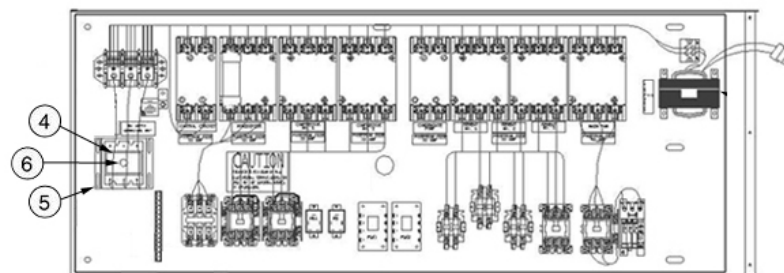
8.12.2.1.2. General Electric Disconnect

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
150	E02-2890	SW DISC 240V 3PL 100A 120V	208/230	1	1	1				
	NOTE: E02-2890 is used on 208/230 Volt 110G, 114A, 127W, 116G, 125A and 138W units with 1.5 to 5 Hp Fan Motors.									
	E-2900	SW DISC 240V 3PL 225A	208 230			1 1	1 1	1 1	1 1	1 1
	E02-2880	SW DISC 480V 3PL 100A 120V	460	1	1	1	1	1	1	1
	E02-2910	SW DISC 600V 3PL 100A 120V	575	1	1	1	1	1	1	1
	E02-2900	SW DISC 240V 3PL 225A 120V	208 230			1 1	1 1	1 1	1 1	1 1
	NOTE: E02-2900 is used on 208/230 Volt 110G, 114A, 127W, 116G, 125A and 138W units with 7.5 & 10 Hp Fan Motors.									
151	F02-2140	BRKT LKDISC OPER 225	208 230			1 1	1 1	1 1	1 1	1 1
	F02-2160	BRKT NON LKDISC OPER 225	208 230			1 1	1 1	1 1	1 1	1 1
	F02-2130	BRKT LKDISC	208/230	1	1	1				

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
	F02-2150	OPER 100	460/575	1	1	1	1	1	1	1
		BRKT NON LKDISC	208/230	1	1	1				
		OPER 100	460/575	1	1	1	1	1	1	1
161	E-288A	SW DISC LOKG	208/230V	1	1	1				
		HANDLE ROTARY	460/575V	1	1	1	1	1	1	1
	E-288B	SW DISC LOKG	208/230V	1	1	1	1	1	1	1
		RING CATCH	460/575V	1	1	1	1	1	1	1
	E-290A	SW DISC LOKG	208		1	1	1	1	1	
		HANDLE ROTARY	230			1	1	1	1	1

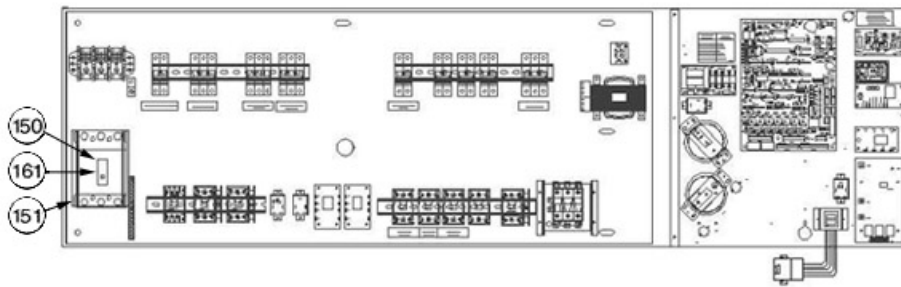
8.12.3. 380 Volts Fused|CB

8.12.3.1. Klockner Moeller Disconnect



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
4	1C18354P1	COLLAR LKG DISC W/2 SCREWS KM	380-3- 60Hz	1	1	1	1	1	1	
5	1C18603P1	BRKT DISC K/M	380	1	1	1	1	1	1	
6	1C18351P2	SW DISC 600V 3PL 60A	380-3- 60Hz	1	1	1				
	1C18351P1	SW DISC 600V 3PL 100A	380-3- 60Hz				1	1	1	

8.12.3.2. General Electric Disconnect

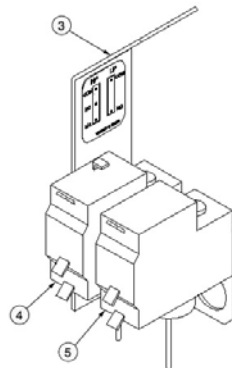


Item #	Part Number	Description	Volts		110G	116G				
				72G 75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
150	E02-2880	SW DISC 480V 3PL 100A 120V	380-3-60Hz	1	1	1	1	1	1	
151	F02-2130	BRKT LKDISC OPER 100	380-3-60Hz	1	1	1	1	1	1	
	F02-2150	BRKT NON LKDISC OPER 100	380-3-60Hz	1	1	1	1	1	1	
161	E-288A	SW DISC LOKG HANDLE ROTARY	380-3-60Hz	1	1	1	1	1	1	
	E-288B	SW DISC LOKG RING CATCH	380-3-60Hz	1	1	1	1	1	1	

9. Compressor Section

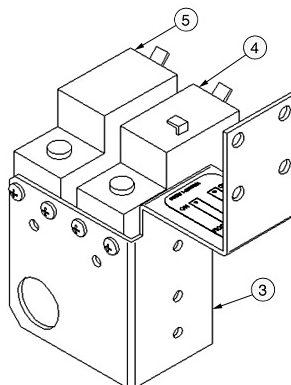
9.1. Pressure Switch

9.1.1. Carlyle



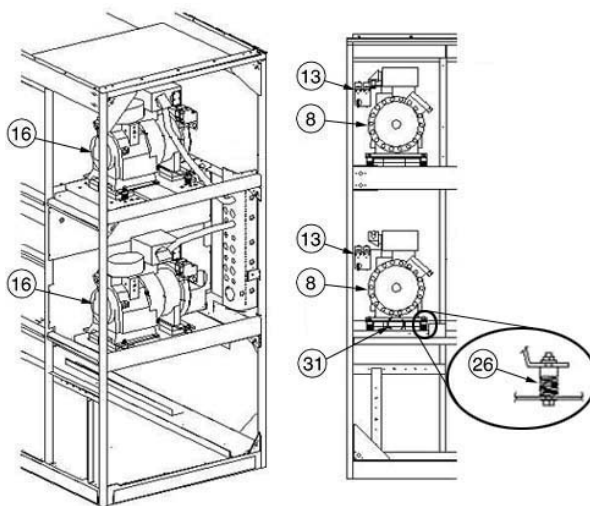
Item #	Part Number	Description	Volts		110G	116G				
				72G 75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
3	1C16719P1	BRKT PRESS SW CARLYLE	ALL		1	1	1	1	1	1
4	1D15060P1	SW PRES HI 360PSI	ALL		1	1	1	1	1	1
5	1D15059P1	SW PRES LOW 15/35PSI	ALL		1	1	1	1	1	1
	NOTE: 1D15059P1 is used on Air-Cooled units with Fan Speed Control Condensers.									
	1D16206P1	SW PRES LOW 20/65PSI	ALL		1	1	1	1	1	1
	NOTE: 1D16206P1 is used on Air-Cooled units with Lee-Temp Receiver's and Water/Glycol/Glycool Cooled units.									

9.1.2. Copeland



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
3	1C16720P1	BRKT PRESS SW COPELAND	ALL	1	1	1	1			
4	1D15060P1	SW PRES HI 360PSI	ALL	1	1	1	1			
5	1D15059P1	SW PRES LOW 15/35PSI	ALL		1	1	1			
	NOTE: 1D15059P1 is used on Air-Cooled units with Fan Speed Control Condensers.									
	1D16206P1	SW PRES LOW 20/65PSI	ALL		1	1	1			
NOTE: 1D16206P1 is used on Air-Cooled units with Lee-Temp Receiver's and Water/Glycol/Glycool Cooled units.										

9.2. 72-86



Item #	Part Number	Remanufactured Compressor Part #	Description	Volts	Compressor Type
8	1C16603P1	06DA8086GC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE
	1C16603P2	06DA8086GC3600	COMP S/HERM 460-3-60	380/460-3-50/60Hz	CARLYLE
	1C16603P3	06DA8086GC3100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE
	1C16603P5	N/A	COMP S/HERM 380-3-60	380-3-60Hz	CARLYLE
	C-050A	N/A	COMP S/HERM 400/60-3-5/6	380/460-3-50/60Hz	COPELAND
	C-050B	N/A	COMP S/HERM 200/30-3-5/6	208/230-3-60Hz	COPELAND
	C-050C	N/A	COMP S/HERM 575-3-60 ERF1-0300	575-3-60Hz	COPELAND

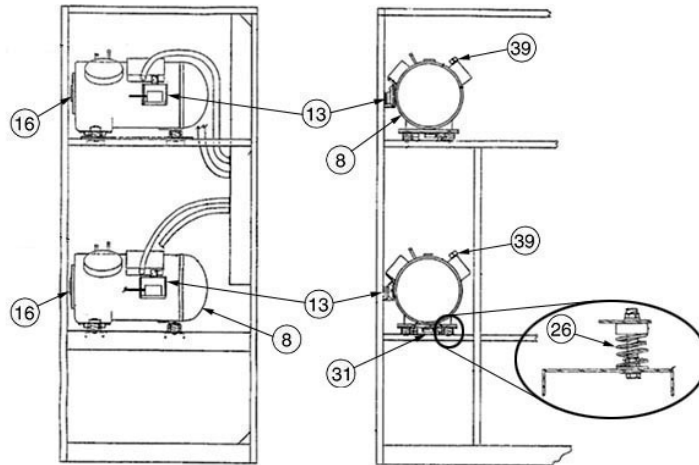
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
13		PRESSURE SWITCH ASSEMBLY (See Page 110)								
16	C-080N	GASKET VALVE COMP SERVICE	ALL	2	2	2				
	C-087A	GASKET VALVE COMP SERVICE	ALL	2	2	2	2			
	S-128A	SCREW CAP HX G8 PO 5/16-18X13/8	ALL	4	4	4				
	S-129A	SCREW CAP HX G8 PO 5/16-18X13/4	ALL	4	4	4	4			
26	C-0840	SPRING COMP MTG	Carlyle					8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	8	8	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	8	8	4	4	4	4
	C-0720	KIT SPRING COMP MTG 1/2-13	Copeland	2						
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					

Item #	Part Number	Description	Volts	Quantity	Compressor Type
31	C06-0010	CRANKCASE HEATER 240V 50W	208/230-3-60Hz	2	CARLYLE
	C06-0020	CRANKCASE HEATER 440//480 50W	380//460-3-50/60Hz	2	CARLYLE
	C06-0030	CRANKCASE HEATER 550V 50W	575-3-60Hz	2	CARLYLE
	C05-3010	CRANKCASE HEATER 240V 65W	208/230-3-60Hz	2	COPELAND
	C05-3020	CRANKCASE HEATER 480V 65W	380//575-3-50/60Hz	2	COPELAND

NOTE: The following part is Required when adding Crankcase Heaters to Carlyle Compressors.

Part Number	Description	Quantity
C-1310	BRKT CCH CARLYLE 808 & 313	4

9.3. 110-128



Item #	Part Number	Remanufactured Compressor Part #	Description	Volts	Compressor Type
8	1C16604P1	06DS3136AC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE
	1C16604P2	06DS3136AC3600	COMP S/HERM 460-3-60	380/460-3-50/60Hz	CARLYLE
	1C16604P3	06DS3136AC3100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE
	1C16604P5	N/A	COMP S/HERM 380-3-60	380-3-60Hz	CARLYLE
	1C18809P1	06DS3136AC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE w/UNLOADER
	1C18809P2	06DS3136AC3600	COMP S/HERM 460-3-60	380//460-3-50/60Hz	CARLYLE w/UNLOADER
	1C18809P3	06DS3136AC3100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE w/UNLOADER
	C-050D	N/A	COMP S/HERM 208/30-3-5/6	208/230-3-60Hz	COPELAND
	C-050E	N/A	COMP S/HERM 460-3-60	380//460-3-50/60Hz	COPELAND
	C-050F	N/A	COMP S/HERM 575-3-60	575-3-60Hz	COPELAND

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
13		PRESSURE SWITCH ASSEMBLY (See Page 110)								
16	C-080N	GASKET VALVE COMP SERVICE	ALL	2	2	2				
	C-087A	GASKET VALVE COMP SERVICE	ALL	2	2	2	2			
	S-128A	SCREW CAP HX G8 PO 5/16-18X13/8	ALL	4	4	4				
	S-129A	SCREW CAP HX G8 PO 5/16-18X13/4	ALL	4	4	4	4			
39	178545P1	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2
	P-5520	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2

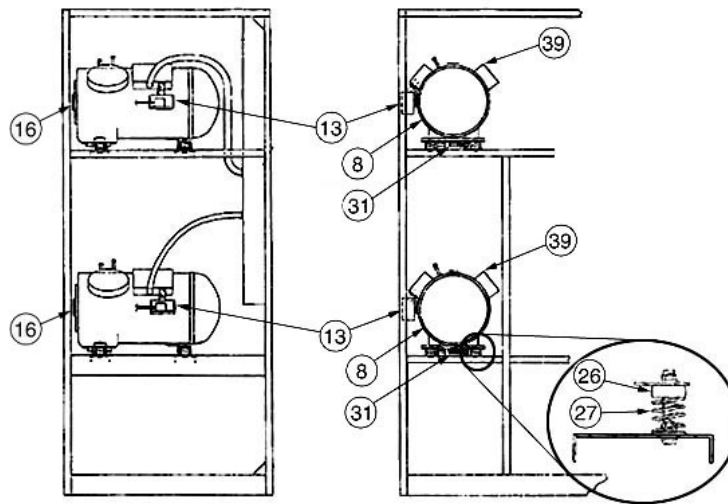
Item #	Part Number	Description	Compressor Type	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
26	C-0840	SPRING COMP MTG	Carlyle					8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	8	8	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	8	8	8	4	4	4
	C-0720	KIT SPRING COMP MTG 1/2-13	Copeland	2						
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					

Item #	Part Number	Description	Volts	Quantity	Compressor Type
31	C06-0010	CRANKCASE HEATER 240V 50W	208/230-3-60Hz	2	CARLYLE
	C06-0020	CRANKCASE HEATER 440/480 50W	380//460-3-50/60Hz	2	CARLYLE
	C06-0030	CRANKCASE HEATER 550V 50W	575-3-60Hz	2	CARLYLE
	C05-3010	CRANKCASE HEATER 240V 65W	208/230-3-60Hz	2	COPELAND
	C05-3020	CRANKCASE HEATER 480V 65W	380//575-3-50/60Hz	2	COPELAND

NOTE: The following part is required when adding Crankcase Heaters to Carlyle Compressors.

Part Number	Description	Quantity
C-1310	BRKT CCH CARLYLE 808 & 313	4

9.4. 116-143



Item #	Part Number	Remanufactured Compressor Part #	Description	Volts	Compressor Type
8	131120P2	N/A	COMP S/HERM 460-3-60	380/415-3-50Hz	CARLYLE
	1C16604P1	06DS3136AC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE
	1C16604P2	06DS3136AC3600	COMP S/HERM 460-3-60	460-3-60Hz	CARLYLE
	1C16604P3	06DS3136AC3100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE
	1C16604P5	N/A	COMP S/HERM 380-3-60	380-3-60Hz	CARLYLE
	1C18809P1	06DS3136AC3200	COMP S/HERM 208/230-3-60	208/230-	CARLYLE

Item #	Part Number	Remanufactured Compressor Part #	Description	Volts	Compressor Type
				3-60Hz	w/UNLOADER
	1C18809P2	06DS3136AC3600	COMP S/HERM 460-3-60	460-3-60Hz	CARLYLE w/UNLOADER
	1C18809P3	06DS3136AC3100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE w/UNLOADER
	141487P2	N/A	COMP S/HERM 460 2DD3-0500-TFD	380/415-3-50Hz	COPELAND
	151030P1	N/A	COMP S/HERM 208/230 2DC3-0500	208/230-3-60Hz	COPELAND
	151030P2	N/A	COMP S/HERM 460 2DC3-0500	460-3-60Hz	COPELAND
	151030P3	N/A	COMP S/HERM 575 2DC3-0500	575-3-60Hz	COPELAND
	1C23269P2	N/A	COMP S/HERM 400-3-50	380/415-3-50Hz	COPELAND

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
13		PRESSURE SWITCH ASSEMBLY (See Page 110)								
16	C-080N	GASKET VALVE COMP SERVICE	ALL	2	2	2				
	C-087A	GASKET VALVE COMP SERVICE	ALL	2	2	2	2			
	S-128A	SCREW CAP HX G8 PO 5/16-18X13/8	ALL	4	4	4				
	S-129A	SCREW CAP HX G8 PO 5/16-18X13/4	ALL	4	4	4	4			
39	178545P1	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2
	P-5520	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2

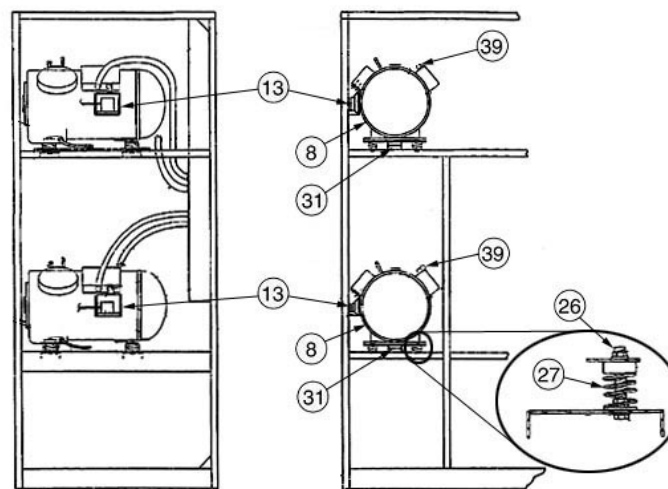
Item #	Part Number	Description	Compressor Type	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
26	C-0840	SPRING COMP MTG	Carlyle					8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	8	8	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	8	8	4	4	4	4
	C-0720	KIT SPRING COMP MTG 1/2-13	Copeland	2						
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					
27	C-0840	SPRING COMP MTG	Carlyle					8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	8	8	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	8	8	7	4	4	4
	C-0720	KIT SPRING COMP MTG 1/2-13	Copeland	2						
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					

Item #	Part Number	Description	Volts	Quantity	Compressor Type
31	C06-0010	CRANKCASE HEATER 240V 50W	208/230-3-60Hz	2	CARLYLE
	C06-0020	CRANKCASE HEATER 440//480 50W	380//460-3-50/60Hz	2	CARLYLE
	C06-0030	CRANKCASE HEATER 550V 50W	575-3-60Hz	2	CARLYLE
	C05-3010	CRANKCASE HEATER 240V 65W	208/230-3-60Hz	2	COPELAND
	C05-3020	CRANKCASE HEATER 480V 65W	380//575-3-50/60Hz	2	COPELAND
	C05-3030	CRANKCASE HEATER 550V 65W	575-3-60Hz	2	COPELAND

NOTE: The following part is required when adding Crankcase Heaters to Carlyle Compressors.

Part Number	Description	Quantity
C-1310	BRKT CCH CARLYLE 808 & 313	4

9.5. 192-219



Item #	Part Number	Remanufactured Compressor Part #	Description	Volts	Compressor Type
8	1C16605P1	06DS8186AC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE
	1C16605P2	06DS8186AC3600	COMP S/HERM 460-3-60	380//460-3-50/60Hz	CARLYLE
	1C16605P3	06DS8186AC3100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE
	1C16605P5	N/A	COMP S/HERM 380-3-60	380-3-60Hz	CARLYLE
	1C18810P1	06DS8186AC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE w/UNLOADER
	1C18810P2	06DS8186AC3600	COMP S/HERM 460-3-60	380//460-3-50/60Hz	CARLYLE w/UNLOADER
	1C18810P3	06DS8186AC3100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE w/UNLOADER
	1D22600P1	N/A	COMP S/HERM 208/230-3-60	208/230-3-60Hz	COPELAND
	1D22600P2	N/A	COMP S/HERM 460-3-60	380//460-3-50/60Hz	COPELAND
	1D22600P3	N/A	COMP S/HERM 575-3-60	575-3-60Hz	COPELAND

Note: When replacing a Compressor w/ Unloaders with a Remanufactured Compressor, you will also need Part# 1C16988P1.

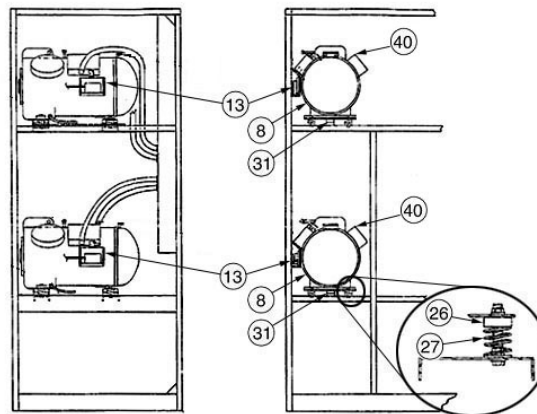
Item #	Part Number	Description	Compressor Type	72G	110G	116G	192G	240G	265G	363G
				75A	111G	121G				
26	C-0840	SPRING COMP MTG	Carlyle	86W	114A	125A		8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	115A	130A	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	127W	138W	4	4	4	4
	C-0720	KIT SPRING	Copeland	2	128W	143W				

Item #	Part Number	Description	Compressor Type	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
		COMP MTG 1/2-13								
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					
27	C-0840	SPRING COMP MTG	Carlyle					8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	8	8	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	8	8	4	4	4	4
	C-0720	KIT SPRING COMP MTG 1/2-13	Copeland	2						
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					

Item #	Part Number	Description	Volts	Quantity	Compressor Type
31	C-0820	CRANKCASE HEATER 480V 75W	380//460-3-50/60Hz	2	Carlyle
	C-0830	CRANKCASE HEATER 575V 75W	575-3-60Hz	2	Carlyle
	C05-0360	CRANKCASE HEATER PKG NO CARR	208/230-3-60Hz	2	Carlyle
	C05-3100	CRANKCASE HEATER 240V 65W	208/230-3-60Hz	2	Copeland
	C05-3110	CRANKCASE HEATER 480V 65W	380//460-3-50/60Hz	2	Copeland
	C05-3120	CRANKCASE HEATER 600V 65W	575-3-60Hz	2	Copeland
	P-035A	CLIP CRANKCASE HEATER	ALL	2	Carlyle

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
13		PRESSURE SWITCH ASSEMBLY (See Page 110)								
39	178545P1	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2
	P-5520	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2

9.6. 240-267



Item #	Part Number	Remanufactured Compressor Part #	Description	Volts	Compressor Type
8	175023P1	06DS8256BC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE
	175023P2	06DS8256BC3600	COMP S/HERM 460-3-60	380//460-3-50/60Hz	CARLYLE
	175023P3	06DS8256BC3100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE
	175023P5	N/A	COMP S/HERM 380-3-60	380/460-3-60Hz	CARLYLE
	175024P1	06DS8256BC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE w/UNLOADER
	175024P2	06DS8256BC3600	COMP S/HERM 460-3-60	380//460-3-50/60Hz	CARLYLE w/UNLOADER
	175024P3	06DS8256BC3100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE w/UNLOADER
	1C18811P1	06DS8246BC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE
	1C18811P2	06DS8246BC3600	COMP S/HERM 460-3-60	380//460-3-50/60Hz	CARLYLE
	1C18811P3	06DS8246BC3100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE
	1C16606P1	06DS8246BC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE
	1C16606P2	06DS8246BC3600	COMP S/HERM 460-3-60	380//460-3-50/60Hz	CARLYLE
	1C16606P3	06DS8246BC3100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE
	1C16606P5	N/A	COMP S/HERM 380-3-60	380/460-3-60Hz	CARLYLE

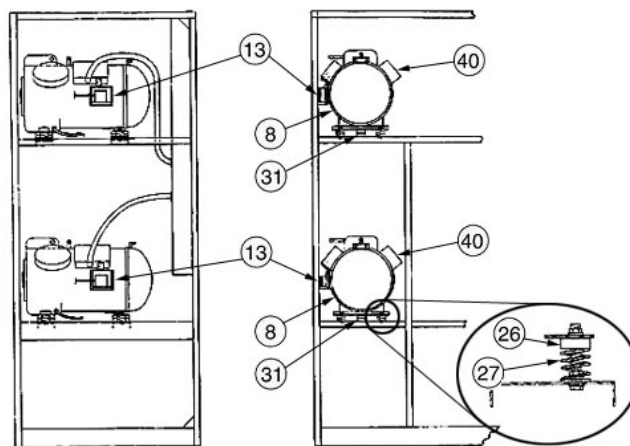
Note: When replacing a Compressor w/ Unloaders with a Remanufactured Compressor, you will also need Part# 1C16988P1.

Item #	Part Number	Description	Compressor Type	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
26	C-0840	SPRING COMP MTG	Carlyle					8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	8	8	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	8	8	4	4	4	4
	C-0720	KIT SPRING COMP MTG 1/2-13	Copeland	2						
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					
27	C-0840	SPRING COMP MTG	Carlyle					8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	8	8	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	8	8	4	4	4	4
	C-0720	KIT SPRING COMP MTG 1/2-13	Copeland	2						
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					

Item #	Part Number	Description	Volts	Quantity	Compressor Type
31	C-0820	CRANKCASE HEATER 480V 75W	380//460-3-50/60Hz	2	Carlyle
	C-0830	CRANKCASE HEATER 575V 75W	575-3-60Hz	2	Carlyle
	C05-0360	CRANKCASE HEATER PKG NO CARR	208/230-3-60Hz	2	Carlyle
	P-035A	CLIP CRANKCASE HEATER	ALL	2	Carlyle

Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
					72G 75A 86W		192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
13		PRESSURE SWITCH ASSEMBLY (See Page 110)								
40	178545P1	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2
	P-5520	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2

9.7. 265-315



Item #	Part Number	Remanufactured Compressor Part #	Description	Volts	Compressor Type
8	1C18259P1	06DS5376BC1200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE
	1C18259P2	06DS5376BC0600	COMP S/HERM 460-3-60	380//460-3-50/60Hz	CARLYLE
	1C18259P3	06DS5376BC0100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE
	1C16607P5	N/A	COMP S/HERM 380-3-60	380-3-60Hz	CARLYLE
	125680P1	06DS5376BC1200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE w/UNLOADER
	125680P2	06DS5376BC0600	COMP S/HERM 460-3-60	380//575-3-50/60Hz	CARLYLE w/UNLOADER
	125680P3	06DS5376BC0100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE w/UNLOADER

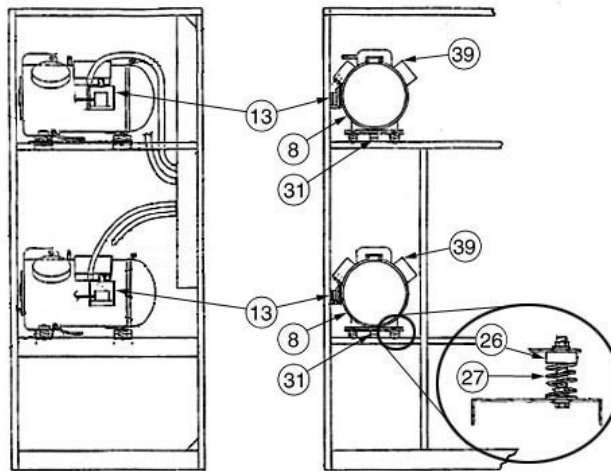
Note: When replacing a Compressor w/ Unloaders with a Remanufactured Compressor, you will also need Part# 1C16988P1.

Item #	Part Number	Description	Compressor Type	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
26	C-0840	SPRING COMP MTG	Carlyle					8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	8	8	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	8	8	4	4	4	4
	C-0720	KIT SPRING COMP MTG 1/2-13	Copeland	2						
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					
27	C-0840	SPRING COMP MTG	Carlyle					8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	8	8	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	8	8	4	4	4	4
	C-0720	KIT SPRING COMP MTG 1/2-13	Copeland	2						
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					

Item #	Part Number	Description	Volts	Quantity	Compressor Type
31	C-0820	CRANKCASE HEATER 480V 75W	380//460-3-50/60Hz	2	Carlyle
	C-0830	CRANKCASE HEATER 575V 75W	575-3-60Hz	2	Carlyle
	C05-0360	CRANKCASE HEATER PKG NO CARR	208/230-3-60Hz	2	Carlyle
	P-035A	CLIP CRANKCASE HEATER	ALL	2	Carlyle

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
13		PRESSURE SWITCH ASSEMBLY (See Page 110)								
40	178545P1	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2
	P-5520	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2

9.8. 363-412



Item #	Part Number	Remanufactured Compressor Part #	Description	Volts	Compressor Type
8	1C18259P1	06DS5376BC1200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE
	1C18259P2	06DS5376BC0600	COMP S/HERM 460-3-60	380//460-3-50/60Hz	CARLYLE
	1C18259P3	06DS5376BC0100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE
	125680P1	06DS5376BC1200	COMP S/HERM 208/230-3-60	208/230-3-60Hz	CARLYLE w/UNLOADER
	125680P2	06DS5376BC0600	COMP S/HERM 460-3-60	380//575-3-50/60Hz	CARLYLE w/UNLOADER
	125680P3	06DS5376BC0100	COMP S/HERM 575-3-60	575-3-60Hz	CARLYLE w/UNLOADER

Note: When replacing a Compressor w/ Unloaders with a Remanufactured Compressor, you will also need Part# 1C16988P1.

Item #	Part Number	Description	Compressor Type	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
26	C-0840	SPRING COMP MTG	Carlyle					8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	8	8	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	8	8	4	4	4	4
	C-0720	KIT SPRING COMP MTG 1/2-13	Copeland	2						
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					
27	C-0840	SPRING COMP MTG	Carlyle					8	8	8
	C-0850	SPRING COMP MTG	Carlyle	8	8	8	8			
	C-0860	SPRING RETAINER MTG	Carlyle	8	8	8	4	4	4	4
	C-0720	KIT SPRING COMP MTG 1/2-13	Copeland	2						
	C-0770	KIT SPRING COMP MTG 1/2-13	Copeland		2					

Item #	Part Number	Description	Volts	Quantity	Compressor Type
31	C-0820	CRANKCASE HEATER 480V 75W	380//460-3-50/60Hz	2	Carlyle
	C-0830	CRANKCASE HEATER 575V 75W	575-3-60Hz	2	Carlyle
	C05-0360	CRANKCASE HEATER PKG NO CARR	208/230-3-60Hz	2	Carlyle
	P-035A	CLIP CRANKCASE HEATER	ALL	2	Carlyle

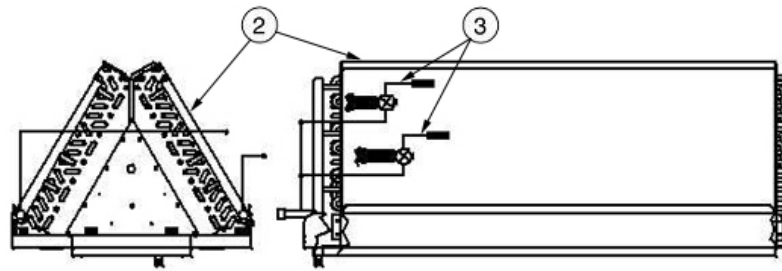
Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
13		PRESSURE SWITCH ASSEMBLY (See Page 110)								
39	178545P1	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2
	P-5520	COIL 24V SPADE CONNECTOR	ALL		2	2	2	2	2	2

9.9. Unloader Parts

Part Number	Description	Quantity / Compressor
178545P1	COIL 24V SPADE CONNECTOR	1
100067	SCREW CAP HX G8 PO 3/8-16 x 3"	16
1C16777P1	GASKET COMPRESSOR CYL HD UNLOADER	2
1C16778P2	COMPRESSOR CYL HD SCT CUTOFF UNLOADER	2
1C16987P1	GASKET COMPRESSOR STEM ASSY SUCT HD	2
1C16988P1	STEM ASSY COMPRESSOR SUCT HD	2
P-5520	COIL 24V SPADE CONNECTOR	2

10. Coil Section

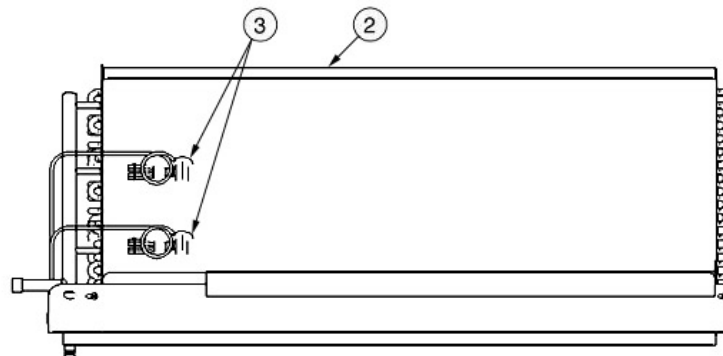
10.1. 6 Ton DX



Item #	Part Number	Description	Step	Quantity
2	163005G20	COIL 6TON DX 2STEP A/W/G	2	1

Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A	192G	240G	265G	363G
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
3	P02-0180	VALVE EXP 1/2X5/8X1/4ODF 60"	ALL	2						

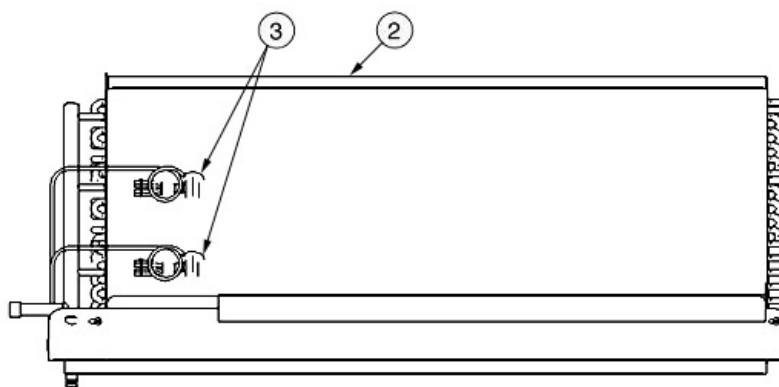
10.2. 8 Ton DX



Item #	Part Number	Description	Step	Quantity
2	163005G2	COIL 8TON DX 2STEP A/W/G	2	1
	163005G11	COIL 8TON DX 4STEP A/W/G	4	1

Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A	192G	240G	265G	363G
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
3	P02-0170	VALVE EXP 1/2X5/8X1/4ODF 60"	ALL	2						

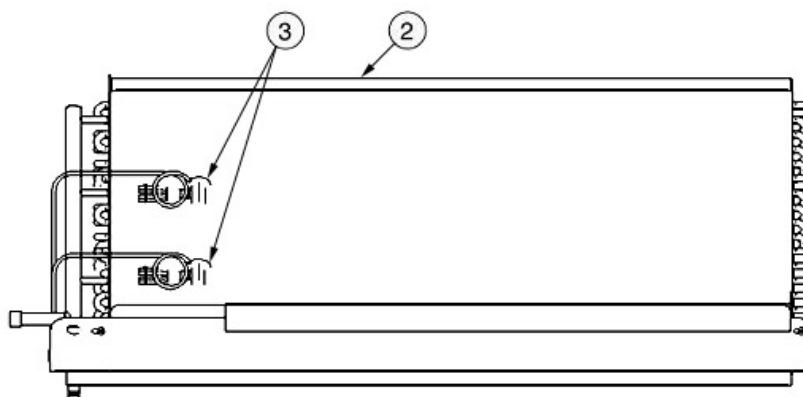
10.3. 10 Ton DX



Item #	Part Number	Description	Step	Quantity
2	163005G3	COIL 10TON DX 2STEP A/W/G	2	1
	163005G12	COIL 10TON DX 4STEP A/W/G	4	1

Item #	Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
				75A	111G	121G				
3	P02-0170	VALVE EXP 1/2X5/8X1/4ODF 60"	ALL	127W	114A	125A	199A	245A	290A	380A
				86W	115A	130A				
					127W	138W	219W	267W	315W	412W
					128W	143W				

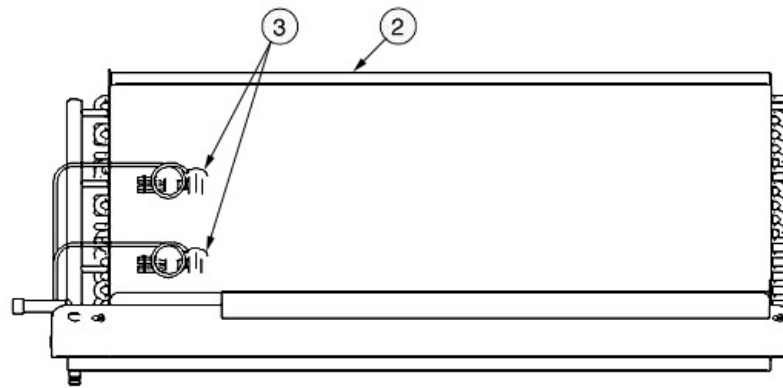
10.4. 15 Ton DX



Item #	Part Number	Description	Step	Quantity
2	163005G3	COIL 10TON DX 2STEP A/W/G	2	1
	163005G12	COIL 10TON DX 4STEP A/W/G	4	1

Item #	Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
				75A	111G	121G				
3	P02-0170	VALVE EXP 1/2X5/8X1/4ODF 60"	ALL	127W	114A	125A	199A	245A	290A	380A
				86W	115A	130A				
					127W	138W	219W	267W	315W	412W
					128W	143W				

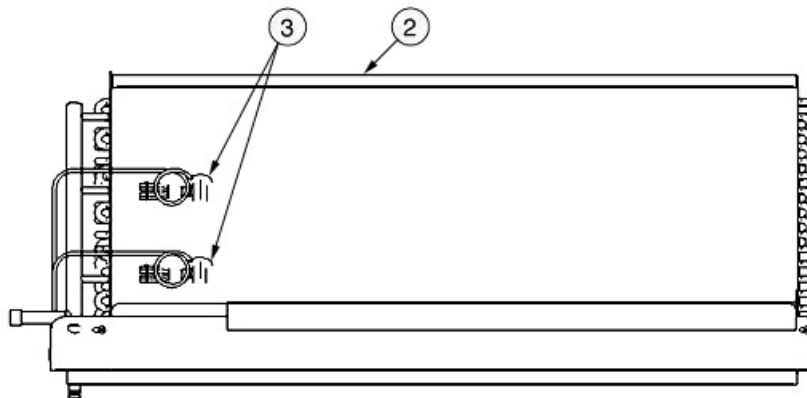
10.5. 20 Ton DX



Item #	Part Number	Description	Step	Quantity
2	163005G5	COIL 20TON DX 2STEP A/W/G	2	1
	163005G14	COIL 20TON DX 4STEP A/W/G	4	1

Item #	Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
				75A	111G	121G				
				86W	114A	125A				
					115A	130A				
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
3	P02-0220	VALVE EXP 5/8x1-1/8x1/4ODF 60"	ALL					2		

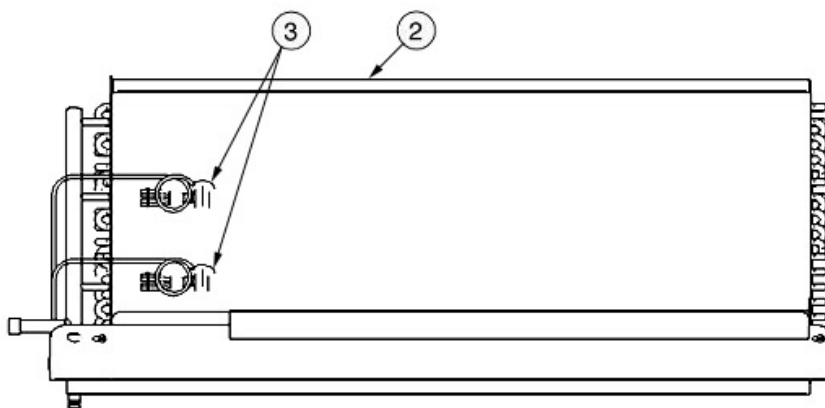
10.6. 22 Ton DX



Item #	Part Number	Description	Step	Quantity
2	163005G6	COIL 22TON DX 2STEP A/W/G	2	1
	163005G15	COIL 22TON DX 4STEP A/W/G	4	1

Item #	Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
				75A	111G	121G				
				86W	114A	125A				
					115A	130A				
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
3	P02-0220	VALVE EXP 5/8x1-1/8x1/4ODF 60"	ALL						2	

10.7. 30 Ton DX

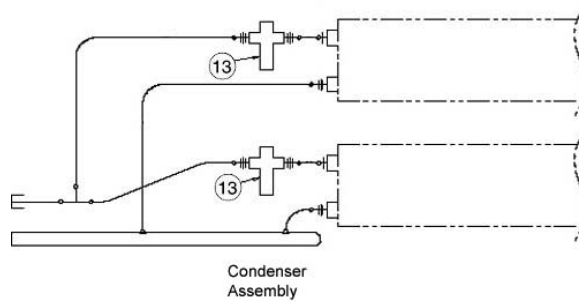


Item #	Part Number	Description	Step	Quantity
2	163005G7	COIL 30TON DX 2STEP A/W/G	2	1
	163005G16	COIL 30TON DX 4STEP A/W/G	4	1

Item #	Part Number	Description	Volts							
				72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
3	130992P2	VALVE EXP 5/8x1-1/8x1/4ODF 60"	ALL							2

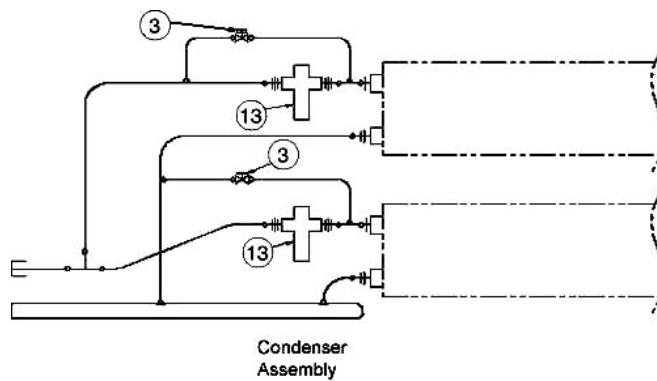
11. Condenser Section

11.1. 2-Way Condenser



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
13	131852P1	VALVE H2O REG 2WAY 1" UB	ALL	2	2	2	2			
	Standard Pressure Water or Glycol Models.									
	131852P2	VALVE H2O REG 2WAY 1-1/4" UB	ALL					2	2	2
	Standard Pressure Water or Glycol Models.									
	171819P4	VALVE H2O REG 2WAY 1" 350#	ALL	2	2	2	2			
	High Pressure Water or Glycol Models.									
	P-311A	VALVE H2O REG 2WAY 1" 300#	ALL					2	2	2
	High Pressure Water or Glycol Models.									

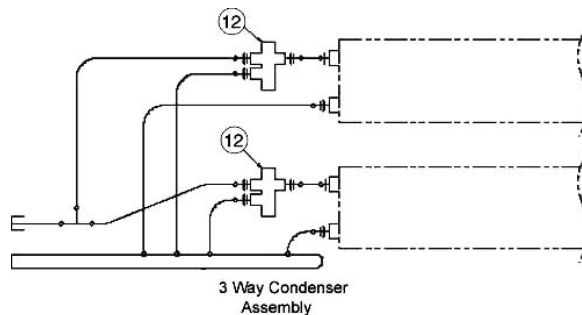
11.2. 2-Way Condenser with Bypass



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
3	P-3020	VALVE GATE 3/4" SWT	ALL	2	2	2	2	2	2	2
	Standard Pressure Models.									
	P02-0130	VALVE GATE 3/4" THD 300#WOG	ALL					2	2	2
13	High Pressure Models.									
	131852P1	VALVE H2O REG 2WAY 1" UB	ALL	2	2	2	2			
	Standard Pressure Water or Glycol Models.									
	131852P2	VALVE H2O REG 2WAY 1-1/4" UB	ALL					2	2	2
	High Pressure Water or Glycol Models.									

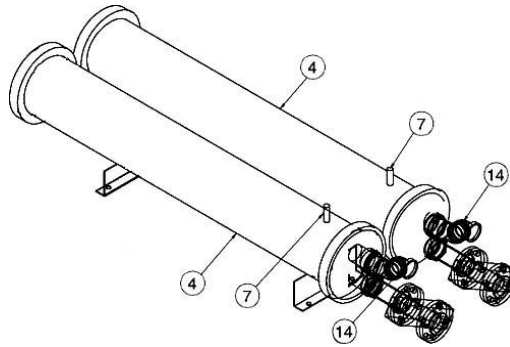
Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A	192G	240G	265G	363G
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
Standard Pressure Water or Glycol Models.										
	171819P4	VALVE H2O REG 2WAY 1" 350#	ALL	2	2	2	2			
High Pressure Water or Glycol Models.										
	P-311A	VALVE H2O REG 2WAY 1" 300#	ALL					2	2	2
High Pressure Water or Glycol Models.										

11.3. 3-Way Condenser



Item #	Part Number	Description	Volts		110G	116G				
					111G	121G				
					114A	125A				
					115A	130A	192G	240G	265G	363G
					127W	138W	199A	245A	290A	380A
					128W	143W	219W	267W	315W	412W
12	131853P1	VALVE H2O REG 3WAY 1" UB	ALL	2	2	2	2			
	Standard Pressure Water, Glycol, or Glycool Models. Water Cooled only on 219W.									
	131853P2	VALVE H2O REG 3WAY 1-1/4" UB	ALL					2	2	2
	Standard Pressure Water, Glycol, or Glycool Models. Glycol or Glycool Cooled only on 192G.									
	P-311B	VALVE H2O REG 3WAY 1" 300#	ALL					2	2	2
	Water Cooled only on 219W.									
	171818P4	VALVE H2O REG 3WAY 1" 350#	ALL	2	2	2	2			
High Pressure on Glycool Models. Water, Glycol, and Glycool on 192G.										

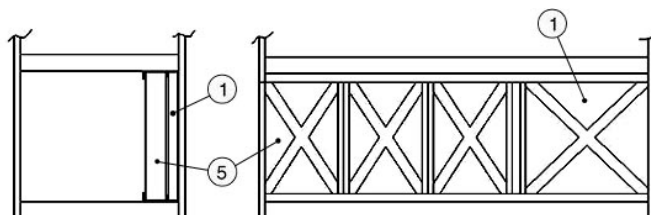
11.4. Condenser Assembly



Item #	Part Number	Description	Volts		110G	116G				
				72G	111G	121G	192G	240G	265G	363G
				75A	114A	125A	199A	245A	290A	380A
				86W	127W	138W	219W	267W	315W	412W
4	Water Cooled Standard and High Pressure Models.									
	J-009H	CONDENSER SHL&TUBE 300# CU	ALL	2	2	2				
	J-004H	CONDENSER SHL&TUBE 300# CU	ALL				2			
	J-002H	CONDENSER SHL&TUBE 300# CU	ALL					**2	**2	
	J-011H	CONDENSER SHL&TUBE 300# CU	ALL					*2	*2	2
	*-Used on High Pressure Units **-Used on Standard Pressure Units									
	Glycol Cooled Standard and High Pressure Models.									
	J-009H	CONDENSER SHL&TUBE 300# CU	ALL	2						
	J-004H	CONDENSER SHL&TUBE 300# CU	ALL		2	2				
	J-002H	CONDENSER SHL&TUBE 300# CU	ALL				2			
	J-011H	CONDENSER SHL&TUBE 300# CU	ALL					2	2	
	125685P2	CONDENSER SHL&TUBE 300# CU	ALL							2
7	P-2830	VALVE RELIEF 400# 1/4MPTx3/8FLR								
	168198P1	VALVE RELIEF 440# 1/4NPTx3/8FLR	ALL	2	2	2	2	2	2	2
	P-2830 has been Superseded by 168198P1. Effective 4-20-03.									
14		2 Way Condenser Header (See Page 127)								

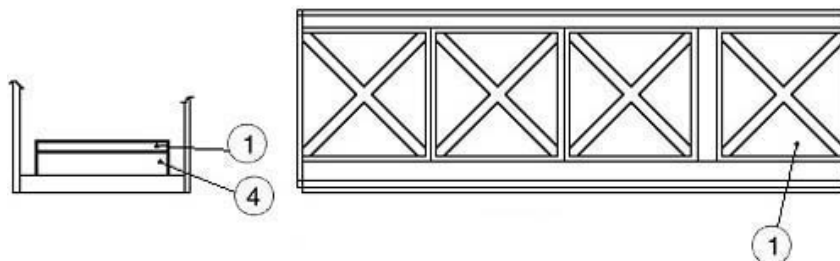
12. Filter Section

12.1. 72G – 143W



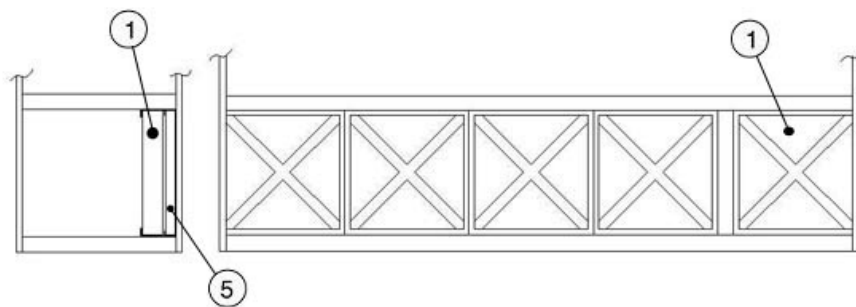
Item #	Part Number	Description	Filter Efficiency	Quantity
1	A-0360	FILTER 2" 25.0X20.0 20%	20%	3
	A-0370	FILTER 2" 16.0 x 20.0 20%	20%	1
5	A-0330	FILTER 4" 16.0X20.0 20% ASHRAE	20%	3
	A-0320	FILTER 4" 25.0X20.0 20% ASHRAE	20%	1
	A-0410	FILTER 4" 16.0X20.0 30% ASHRAE	30%	3
	A-0400	FILTER 4" 25.0X20.0 30% ASHRAE	30%	1
	1A17806P3	FILTER 4" 16.0X20.0 45%	45%	3
	1A17806P2	FILTER 4" 25.0X20.0 45%	45%	1
	131042P4	FILTER 4" 16.0X20.0 60-65%	65%	3
	131042P1	FILTER 4" 25.0X20.0 60-65%	65%	1
	129633P5	FILTER 4" 16.0X20.0 80%	80%	3
	129633P4	FILTER 4" 25.0X20.0 80%	80%	1
	132921P3	FILTER 4" 16.0X20.0 90-95%	90%	3
	132921P2	FILTER 4" 25.0X20.0 90-95%	90%	1

12.2. 192G – 267W



Item #	Part Number	Description	Filter Efficiency	Quantity
1	A-0350	FILTER 2" 24.0X24.0 20%	20%	4
4	A-0010	FILTER 4" 24.0X24.0 20%	20%	4
	A-0380	FILTER 4" 24.0X24.0 30% ASHRAE	30%	4
	1A17806P6	FILTER 4" 24.0X24.0 45% ASHRAE	45%	4
	131042P2	FILTER 4" 24.0X24.0 60-65%	65%	4
	129633P6	FILTER 4" 24.0X24.0 80% ASHRAE	80%	4
	132921P4	FILTER 4" 24.0X24.0 90-95%	95%	4

12.3. 363G – 412W

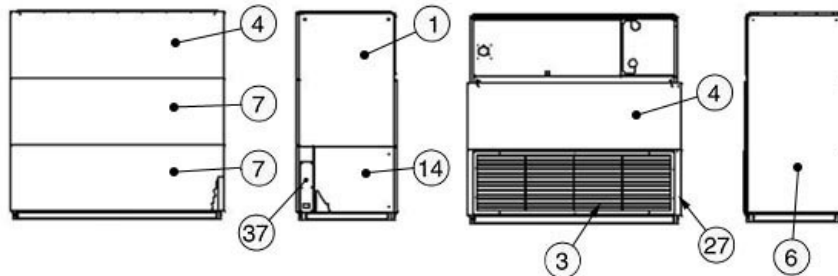


Item #	Part Number	Description	Filter Efficiency	Quantity
1	1A17806P6	FILTER 4" 24.0X24.0 45% ASHRAE	45%	5
	131042P2	FILTER 4" 24.0X24.0 60-65%	65%	5
	129633P6	FILTER 4" 24.0X24.0 80% ASHRAE	80%	5
	132921P4	FILTER 4" 24.0X24.0 90-95%	95%	5
5	A-0350	FILTER 2" 24.0X24.0 20%	45%	5

13. Exterior Section

13.1. Front Return

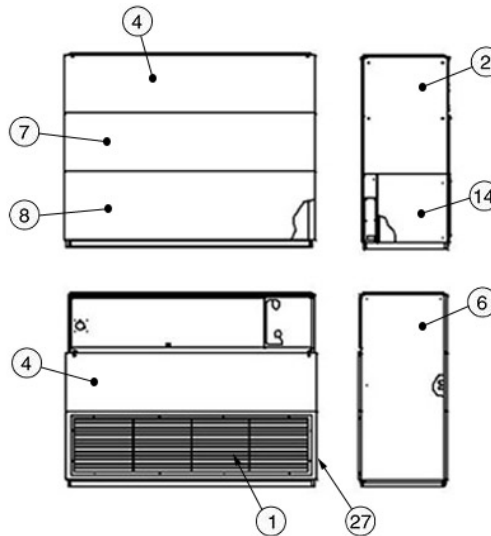
13.1.1. 72G – 143W



Item #	Part Number	Description	Gage	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	F02-1150	PANEL EXT END-TOP COMP END	Standard	ALL	1	1	1				
	1C32360G4	PANEL EXT END-TOP COMP END 16GA	Heavy	ALL	1	1	1				
3	1C19065P3	GRILL RTN AIR 68x20 WG	-	ALL	1	1	1				
4	F02-7110	PANEL EXT FR- MDL RR-TOP	Standard	ALL	2	2	2				
	1D28982P1	PANEL EXT FR- MDL RR-TOP SPCL	Heavy	ALL	2	2	2				
6	1C21770P2	PANEL EXT END- LEFT/RIGHT	Standard	ALL	1	1	1				
	1D32359P9	PANEL EXT END- LEFT/RIGHT 16GA	Heavy	ALL	1	1	1				
7	F02-7080	PANEL EXT FR- BTM RR- MDL&BTM	Standard	ALL	2	2	2				
	1D28980P1	PANEL EXT FR- BTM RR- MDL&BTM SP	Heavy	ALL	2	2	2				
14	1D19013G1	PANEL EXT END- BTM COMP END	Standard	ALL	1	1	1				
	1D32267G2	PANEL EXT END- BTM COMP END	Heavy	ALL	1	1	1				
27	F02-7140	PANEL EXT FR- BTM RR-BTM W/OPNG	Standard	ALL	1	1	1				
	1D32262P2	PANEL EXT FR- BTM RR-BTM W/OPNG	Heavy	ALL	1	1	1				
37	1C19014P1	BOTTOM PANEL DOOR COVER	-	ALL	1	1	1				

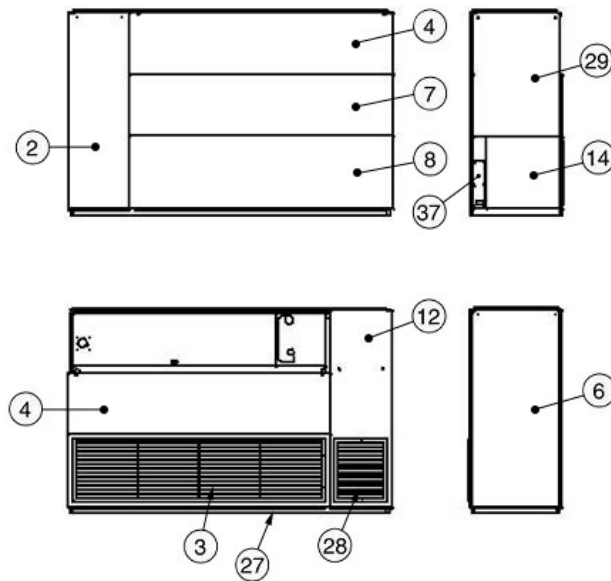
NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

13.1.2. 192G – 267W



Item #	Part Number	Description	Gage	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	160010P1	GRILL RTN AIR 93x22	-	ALL				1	1	1	
2	F02-1150	PANEL EXT END-TOP COMP END	Standard	ALL				1	1	1	
	1C32360G4	PANEL EXT END-TOP COMP END 16GA	Heavy	ALL				1	1	1	
4	F02-7130	PANEL EXT FR-MDL RR-TOP	Standard	ALL				1	1	1	
	1D28982P3	PANEL EXT FR-MDL RR-TOP	Heavy	ALL				1	1	1	
6	160004P1	PANEL EXT END-LEFT/RIGHT 76"	Standard	ALL				1	1	1	
	160004P2	PANEL EXT END-LFT/RGT 76" 16GA	Heavy	ALL				1	1	1	
7	F02-7100	PANEL EXT FR-BTM RR-MDL&BTM	Standard	ALL				1	1	1	
	1D28980P3	PANEL EXT FR-BTM RR-MDL&BTM	Heavy	ALL				1	1	1	
8	160009P1	PANEL EXT BTM REAR 76"	Standard	ALL				1	1	1	
	160009P2	PANEL EXT BTM REAR 76" 16GA	Heavy	ALL				1	1	1	
14	1D19013G3	PANEL EXT END BTM COMP END 76"	Standard	ALL				1	1	1	
	1D19013G4	PANEL EXT END BTM COMP END 76" 16GA	Heavy	ALL				1	1	1	
27	160006P1	PANEL EXT BTM W/OPNG 76"	Standard	ALL				1	1	1	
	160006P2	PANEL EXT BTM W/OPNG 76" 16GA	Heavy	ALL				1	1	1	

NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

13.1.3. 363G – 412W

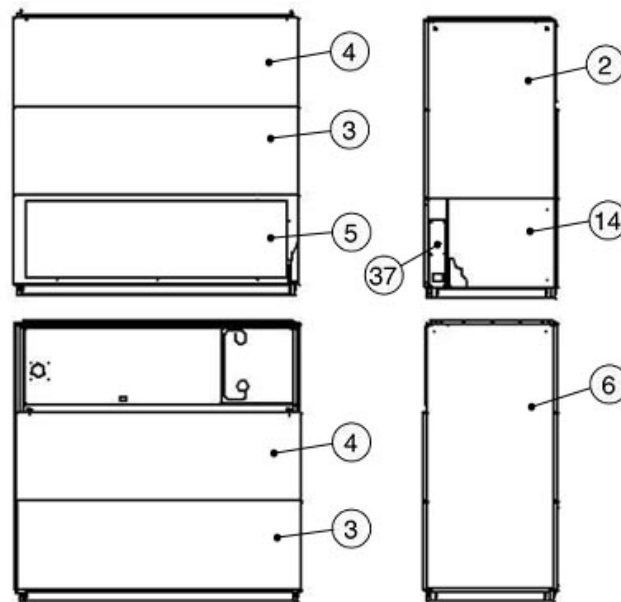
Item #	Part Number	Description	Gage	Volts	72G 75A 86W	110G	116G	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
						111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
2	160019P4	PANEL VERT REAR 20GA 30T	Standard	ALL							1
	160019P5	PANEL VERT RR 16GA 30T CTR DZ	Heavy	ALL							1
3	160010P1	GRILL RTN AIR 93x22	-	ALL							1
4	F02-7130	PANEL EXT FR-MDL RR-TOP	Standard	ALL							1
	1D28982P3	PANEL EXT FR-MDL RR-TOP	Heavy	ALL							1
6	160004P1	PANEL EXT END-LEFT/RIGHT 76"	Standard	ALL							1
	160004P2	PANEL EXT END-LFT/RGT 76" 16GA	Heavy	ALL							1
7	F02-7100	PANEL EXT FR-BTM RR-MDL&BTM	Standard	ALL							1
	1D28980P3	PANEL EXT FR-BTM RR-MDL&BTM	Heavy	ALL							1
8	160009P1	PANEL EXT BTM REAR 76"	Standard	ALL							1
	160009P2	PANEL EXT BTM REAR 76" 16GA	Heavy	ALL							1
12	160020P1	PANEL VERT FRONT 20GA 30T	Standard	ALL							1
	160020P2	PANEL VERT FRT 16GA 30T CTR DZ	Heavy	ALL							1
14	1D19013G3	PANEL EXT END BTM COMP END 76"	Standard	ALL							1
	1D19013G4	PANEL EXT END BTM COMP END 76" 16GA	Heavy	ALL							1
27	160006P1	PANEL EXT BTM W/OPNG76"	Standard	ALL							1
	160006P2	PANEL EXT BTM W/OPNG76" 16GA	Heavy	ALL							1

Item #	Part Number	Description	Gage	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
28	160011P1	GRILL RTN AIR 18X22	-	ALL							1
29	F02-1150	PANEL EXT END-TOP COMP END	Standard	ALL							1
	1C32360G4	PANEL EXT END-TOP COMP END 16GA	Heavy	ALL							1
37	1C19014P1	BOTTOM PANEL DOOR COVER		ALL							1

NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

13.2. Rear Return

13.2.1. 72G – 143W

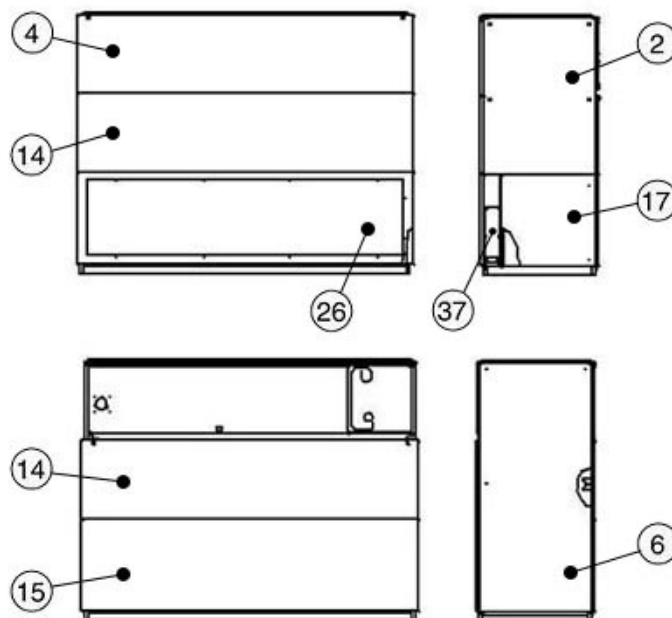


Item #	Part Number	Description	Gage	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
2	F02-1150	PANEL EXT END-TOP COMP END	Standard	ALL	1	1	1				
	1C32360G4	PANEL EXT END-TOP COMP END 16GA	Heavy	ALL	1	1	1				
3	F02-7080	PANEL EXT FR-BTM RR-MDL&BTM	Standard	ALL	2	2	2				
	1D28980P1	PANEL EXT FR-BTM RR-MDL&BTM SP	Heavy	ALL	2	2	2				
4	F02-7110	PANEL EXT FR-MDL RR-TOP	Standard	ALL	2	2	2				
	1D28982P1	PANEL EXT FR-MDL RR-TOP SPCL	Heavy	ALL	2	2	2				
5	F02-7140	PANEL EXT FR-BTM RR-BTM W/OPNG	Standard	ALL	1	1	1				
	1D32262P2	PANEL EXT FR-BTM RR-BTM W/OPNG	Heavy	ALL	1	1	1				
6	1C21770P2	PANEL EXT	Standard	ALL	1	1	1				

Item #	Part Number	Description	Gage	Volts	72G	110G	116G	192G	240G	265G	363G
					75A	111G	121G				
					86W	127W	138W	219W	267W	315W	412W
		END-LEFT/RIGHT									
	1D32359P9	PANEL EXT END-LEFT/RIGHT 16GA	Heavy	ALL	1	1	1				
14	1D19013G1	PANEL EXT END- BTM COMP END	Standard	ALL	1	1	1				
	1D32267G2	PANEL EXT END- BTM COMP END	Heavy	ALL	1	1	1				
37	1C19014P1	BOTTOM PANEL DOOR COVER	-	ALL	1	1	1				

NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

13.2.2. 192G – 267W

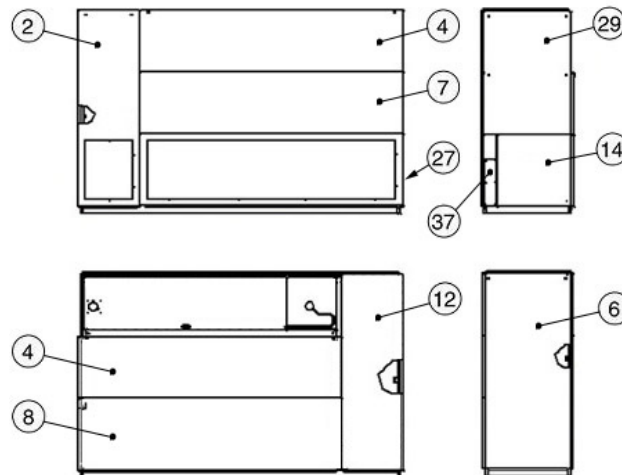


Item #	Part Number	Description	Gage	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
2	F02-1150	PANEL EXT END-TOP COMP END	Standard	ALL				1	1	1	
	1C32360G4	PANEL EXT END-TOP COMP END 16GA	Heavy	ALL				1	1	1	
4	F02-7130	PANEL EXT FR- MDL RR-TOP	Standard	ALL				1	1	1	
	1D28982P3	PANEL EXT FR- MDL RR-TOP	Heavy	ALL				1	1	1	
6	160004P1	PANEL EXT END- LEFT/RIGHT 76"	Standard	ALL				1	1	1	
	160004P2	PANEL EXT END-LFT/RGT 76" 16GA	Heavy	ALL				1	1	1	
14	F02-7100	PANEL EXT FR- RTM RR-	Standard	ALL				1	1	1	

Item #	Part Number	Description	Gage	Volts	72G	110G	116G	192G	240G	265G	363G
					75A	111G	121G				
					86W	114A	125A	219W	267W	315W	412W
		MDL&BTM									
	1D28980P3	PANEL EXT FR-BTM RR-MDL&BTM	Heavy	ALL				1	1	1	
15	160009P1	PANEL EXT BTM REAR 76"	Standard	ALL				1	1	1	
	160009P2	PANEL EXT BTM REAR 76" 16GA	Heavy	ALL				1	1	1	
17	1D19013G3	PANEL EXT END BTM COMP END 76"	Standard	ALL				1	1	1	
	1D19013G4	PANEL EXT END BTM COMP END 76" 16GA	Heavy	ALL				1	1	1	
26	160006P1	PANEL EXT BTM W/OPNG76"	Standard	ALL				1	1	1	
	160006P2	PANEL EXT BTM W/OPNG76" 16GA	Heavy	ALL				1	1	1	
37	1C19014P1	COVER BTM COMP PANEL	-	ALL				1	1	1	

NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

13.2.3. 363G – 412W



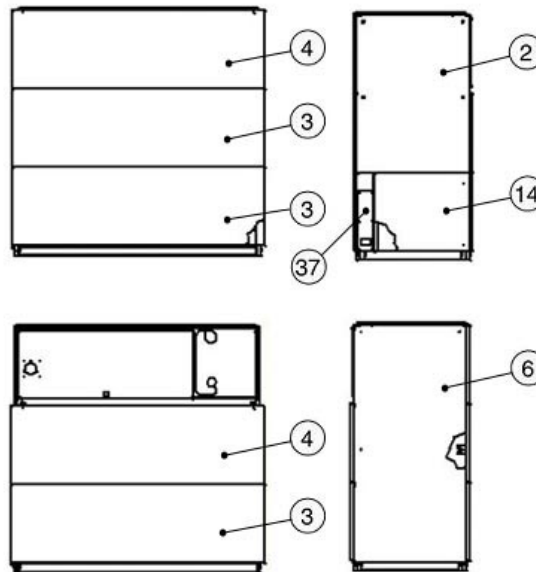
Item #	Part Number	Description	Gage	Volts		110G	116G				
					72G	111G	121G				
					75A	114A	125A	192G	240G	265G	363G
					86W	115A	130A	199A	245A	290A	380A
						127W	138W	219W	267W	315W	412W
2	160020P1	PANEL VERT FRONT 20GA 30T	Standard	ALL							1
	160020P2	PANEL VERT FRT 16GA 30T CTR DZ	Heavy	ALL							1
4	F02-7130	PANEL EXT FR-MDL RR-TOP	Standard	ALL							1
	1D28982P3	PANEL EXT FR-MDL RR-TOP	Heavy	ALL							1
6	160004P1	PANEL EXT END-LEFT/RIGHT 76"	Standard	ALL							1
	160004P2	PANEL EXT END-LFT/RGT 76" 16GA	Heavy	ALL							1
7	F02-7100	PANEL EXT FR-BTM RR-MDL & RTM	Standard	ALL							1

Item #	Part Number	Description	Gage	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
	1D28980P3	PANEL EXT FR-BTM RR-MDL&BTM	Heavy	ALL							1
8	160009P1	PANEL EXT BTM REAR 76"	Standard	ALL							1
	160009P2	PANEL EXT BTM REAR 76" 16GA	Heavy	ALL							1
12	160019P4	PANEL VERT REAR 20GA 30T	Standard	ALL							1
	160019P5	PANEL VERT RR 16GA 30T CTR DZ	Heavy	ALL							1
14	1D19013G3	PANEL EXT END BTM COMP END 76"	Standard	ALL							1
	1D19013G4	PANEL EXT END BTM COMP END 76" 16GA	Heavy	ALL							1
27	160006P1	PANEL EXT BTM W/OPNG76"	Standard	ALL							1
	160006P2	PANEL EXT BTM W/OPNG76" 16GA	Heavy	ALL							1
29	F02-1150	PANEL EXT END-TOP COMP END	Standard	ALL							1
	1C32360G4	PANEL EXT END-TOP COMP END 16GA	Heavy	ALL							1
37	1C19014P1	COVER BTM COMP PANEL	-	ALL							1

NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

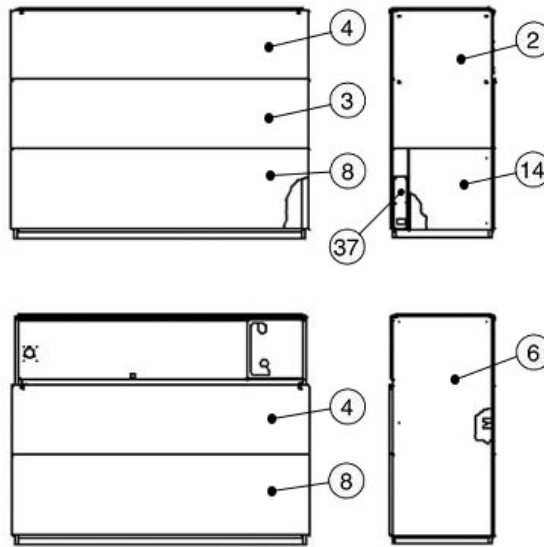
13.3. Bottom Return

13.3.1. 72G – 143W



Item #	Part Number	Description	Gage	Volts		110G	116G				
					72G	111G	121G	192G	240G	265G	363G
					75A	114A	125A	199A	245A	290A	380A
					86W	115A	130A	219W	267W	315W	412W
						127W	138W				
						128W	143W				
2	F02-1150	PANEL EXT END-TOP COMP END	Standard	ALL	1	1	1				
	1C32360G4	PANEL EXT END-TOP COMP END 16G	Heavy	ALL	1	1	1				
3	F02-7080	PANEL EXT FR-BTM RR-MDL&BTM	Standard	ALL	3	3	3				
	1D28980P1	PANEL EXT FR-BTM RR-MDL&BTM SP	Heavy	ALL	3	3	3				
4	F02-7110	PANEL EXT FR-MDL RR-TOP	Standard	ALL	2	2	2				
	1D28982P1	PANEL EXT FR-MDL RR-TOP SPCL	Heavy	ALL	2	2	2				
6	1C21770P2	PANEL EXT END-LEFT/RIGHT	Standard	ALL	1	1	1				
	1D32359P9	PANEL EXT END-LEFT/RIGHT 16GA	Heavy	ALL	1	1	1				
14	1D19013G1	PANEL EXT END- BTM COMP END	Standard	ALL	1	1	1				
	1D32267G2	PANEL EXT END- BTM COMP END	Heavy	ALL	1	1	1				
37	1C19014P1	BOTTOM PANEL DOOR COVER	-	ALL	1	1	1				

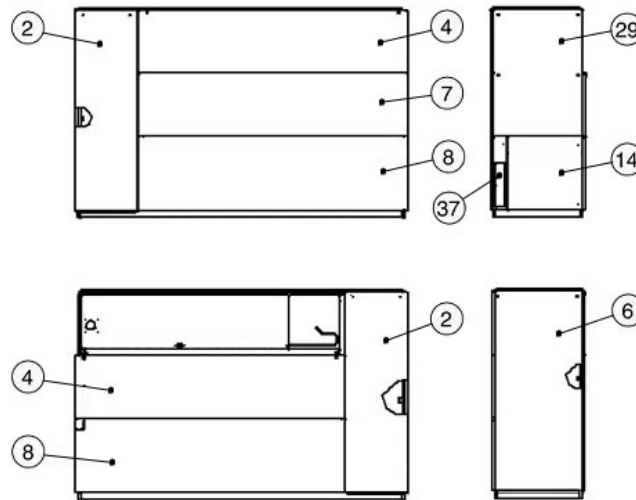
NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

13.3.2. 192G – 267W

Item #	Part Number	Description	Gage	Volts		110G	116G	192G	240G	265G	
					72G	111G	121G				
					75A	114A	125A	199A	245A	290A	363G
					86W	115A	130A	219W	267W	315W	380A
						127W	138W				412W
2	F02-1150	PANEL EXT END-TOP COMP END	Standard	ALL				1	1	1	
	1C32360G4	PANEL EXT END-TOP COMP END 16G	Heavy	ALL				1	1	1	
3	F02-7100	PANEL EXT FR- BTM RR- MDL&BTM	Standard	ALL				1	1	1	
	1D28980P3	PANEL EXT FR- BTM RR- MDL&BTM	Heavy	ALL				1	1	1	
4	F02-7130	PANEL EXT FR- MDL RR-TOP	Standard	ALL				1	1	1	
	1D28982P3	PANEL EXT FR- MDL RR-TOP	Heavy	ALL				1	1	1	
6	160004P1	PANEL EXT END- LEFT/RIGHT 76"	Standard	ALL				1	1	1	
	160004P2	PANEL EXT END-LFT/RGT 76" 16GA	Heavy	ALL				1	1	1	
8	160009P1	PANEL EXT BTM REAR 76"	Standard	ALL				1	1	1	
	160009P2	PANEL EXT BTM REAR 76" 16GA	Heavy	ALL				1	1	1	
14	1D19013G3	PANEL EXT END BTM COMP END 76"	Standard	ALL				1	1	1	
	1D19013G4	PANEL EXT END BTM COMP END 76" 16GA	Heavy	ALL				1	1	1	
37	1C19014P1	BOTTOM PANEL DOOR COVER		ALL				1	1	1	

NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**) to the end of the part number. **Represents the 2 or 3 digit paint color.

13.3.3. 363G - 412W

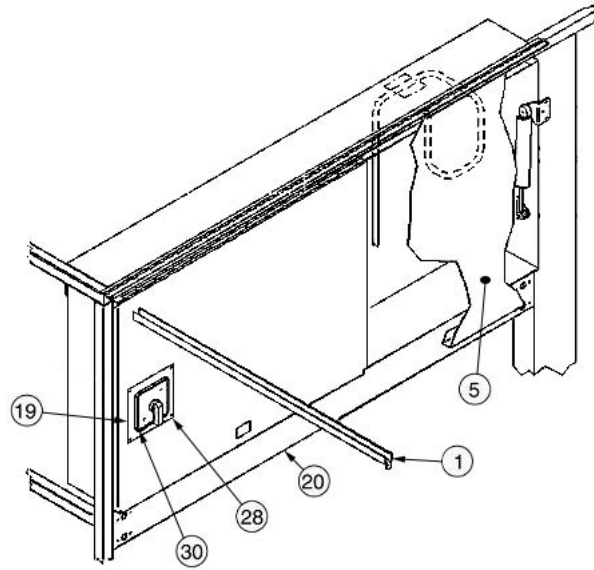


Item #	Part Number	Description	Gage	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
2	160019P4	PANEL VERT REAR 20GA 30T	Standard	ALL							1
	160019P5	PANEL VERT RR 16GA 30T CTR DZ	Heavy	ALL							1
4	F02-7130	PANEL EXT FR-MDL RR-TOP	Standard	ALL							1
	1D28982P3	PANEL EXT FR-MDL RR-TOP	Heavy	ALL							1
6	160004P1	PANEL EXT END-LFT/RIGHT 76"	Standard	ALL							1
	160004P2	PANEL EXT END-LFT/RGT 76" 16GA	Heavy	ALL							1
7	F02-7100	PANEL EXT FR-BTM RR-MDL&BTM	Standard	ALL							1
	1D28980P3	PANEL EXT FR-BTM RR-MDL&BTM	Heavy	ALL							1
8	160009P1	PANEL EXT BTM REAR 76"	Standard	ALL							1
	160009P2	PANEL EXT BTM REAR 76" 16GA	Heavy	ALL							1
14	1D19013G3	PANEL EXT END BTM COMP END 76"	Standard	ALL							1
	1D19013G4	PANEL EXT END BTM COMP END 76" 16GA	Heavy	ALL							1
29	F02-1150	PANEL EXT END-TOP COMP END	Standard	ALL							1
	1C32360G4	PANEL EXT END-TOP COMP END 16G	Heavy	ALL							1
37	1C19014P1	BOTTOM PANEL DOOR COVER	-	ALL							1

NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

13.4. Accent Panels

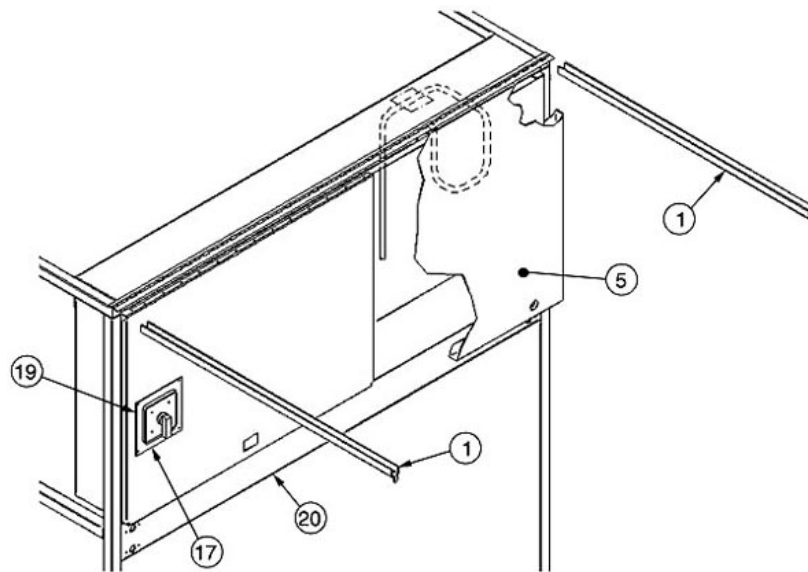
13.4.1. Klockner Moeller



Item #	Part Number	Description	Volts		110G	116G				
				72G	111G	121G	192G	240G	265G	363G
				75A	114A	125A	199A	245A	290A	380A
				86W	127W	143W	219W	267W	315W	412W
1	1C13815P1	PULL BAR RIGHT/LEFT	ALL	2	2	2	2	2	2	1
5	1D16721G14	ACCNT 72" 00/15 K/M	ALL	1	1	1				
	1D16721G39	ACCNT 72" 00/15 K/M	ALL	1	1	1				
	1D16721G16	ACCNT 97" 00/15 K/M	ALL				1	1	1	
	1D16721G38	ACCNT 97" 00/15 K/M	ALL				1	1	1	
	1D16721G29	ACCNT 97" 00/15 K/M	ALL							1
19	S-6210	BEZEL S3 ON/OFF/DISC	ALL	1	1	1	1	1	1	1
20	T-0220	TRIM ALUM ACCENT	ALL	1	1	1				
	T-0240	TRIM ALUM ACCENT	ALL				1	1	1	1
28	1C18707P1	PLATE DISC K/M	ALL	1	1	1	1	1	1	1
30	1C18352P1	HANDLE DISC SWT/FACEPLATE K/M	ALL	1	1	1	1	1	1	1
	1C18354P1	COLLAR LKG DISC W/2 SCREWS KM	ALL	1	1	1	1	1	1	1
	1A18353P1	SHAFT EXTENSION K/M DISC SWT	ALL	1	1	1	1	1	1	1

NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

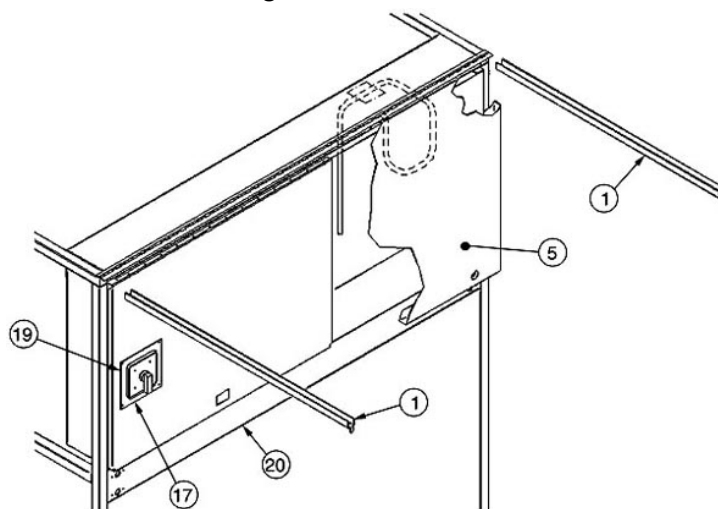
13.4.2. GE Locking



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W				
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	1C13815P1	PULL BAR RIGHT/LEFT	ALL	2	2	2	2	2	2	1
5	1D16721G1	ACCNT 72" 00/15 LOK	ALL	1	1	1				
	1D16721G17	ACCNT 72" 00/15 LOK UNI	ALL	1	1	1				
	1D16721G19	ACCNT 97" 00/15 LOK UNI	ALL				1	1	1	
	1D16721G3	ACCNT 97" 00/15 LOK	ALL				1	1	1	
	1D16721G28	ACCNT 97" V LKG SM/AM	ALL							1
17	F30-0030	PLATE LOCKING DISC 6//22T	ALL	1	1	1	1	1	1	1
19	S-6210	BEZEL S3 ON/OFF/DISC	ALL	1	1	1	1	1	1	1
20	T-0220	TRIM ALUM ACCENT	ALL	1	1	1				
	T-0240	TRIM ALUM ACCENT	ALL				1	1	1	1

NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

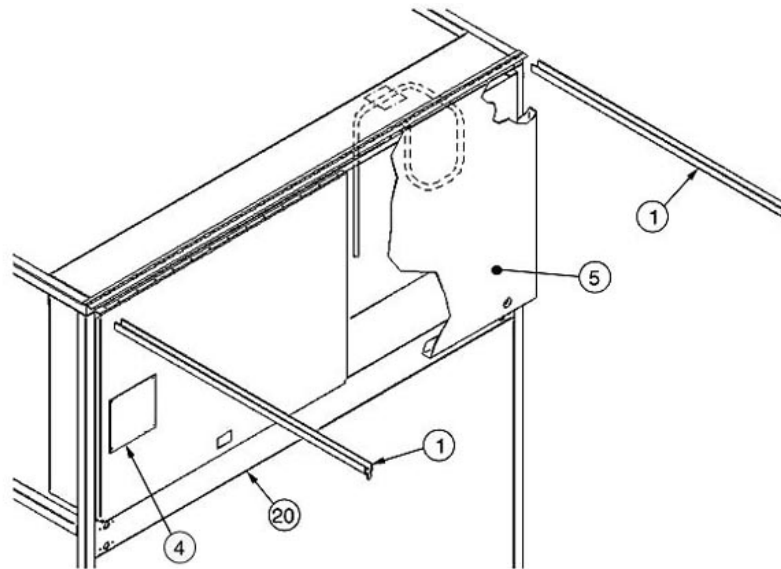
13.4.3. GE Non Locking



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W					
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W	
1	1C13815P1	PULL BAR RIGHT/LEFT	ALL	2	2	2	2	2	2	1	
5	1D16721G20	ACCNT 72" 00/15 N/L UNI	ALL	1	1	1					
	1D16721G4	ACCNT 72" 00/15 N/L	ALL	1	1	1					
	1D16721G22	ACCNT 97" 00/15 N/L UNI	ALL				1	1	1		
	1D16721G6	ACCNT 97" 00/15 N/L	ALL				1	1	1		
	1D16721G27	ACCNT 97" V NLKG SM/AM	ALL							1	
17	F30-0040	PLATE NON LOCKING DISC 6//22T	ALL	1	1	1	1	1	1	1	
19	S-6210	BEZEL S3 ON/OFF/DISC	ALL	1	1	1	1	1	1	1	
20	T-0220	TRIM ALUM ACCENT 74"	ALL	1	1	1					
	T-0240	TRIM ALUM ACCENT 99"	ALL				1	1	1	1	

NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

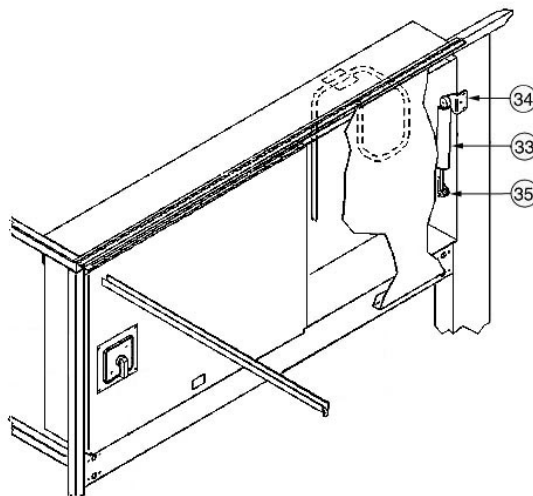
13.4.4. No Disconnect



Item #	Part Number	Description	Volts		110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W					
				72G 75A 86W			192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W	
1	1C13815P1	PULL BAR RIGHT/LEFT	ALL	2	2	2	2	2	2	1	
5	1D16721G7	ACCNT 72" 00/15	ALL	1	1	1					
	1D16721G9	ACCNT 97" 00/15	ALL				1	1	1		
	1D16721G26	ACCNT 97" V NO DISC SM/AM	ALL							1	
4	F02-9570	COVER DISCONNECT BLANK-OFF	ALL	1	1	1	1	1	1	1	
20	T-0220	TRIM ALUM ACCENT	ALL	1	1	1					
	T-0240	TRIM ALUM ACCENT	ALL				1	1	1	1	

NOTE: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number. **Represents the 2 or 3 digit paint color.

13.4.5. 363 / 412 Gas Struts



Item #	Part Number	Description	Volts						
				72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	363G 380A 412W
33	1B29146P1	CYLINDER GAS SUPPORT 30T V	ALL						1
34	1B29146P2	BRKT MTG GAS CYLINDER 30T V	ALL						1
35	1B29146P3	BRKT MTG GAS CYLINDER 30T V	ALL						1

13.5. Standard Colors

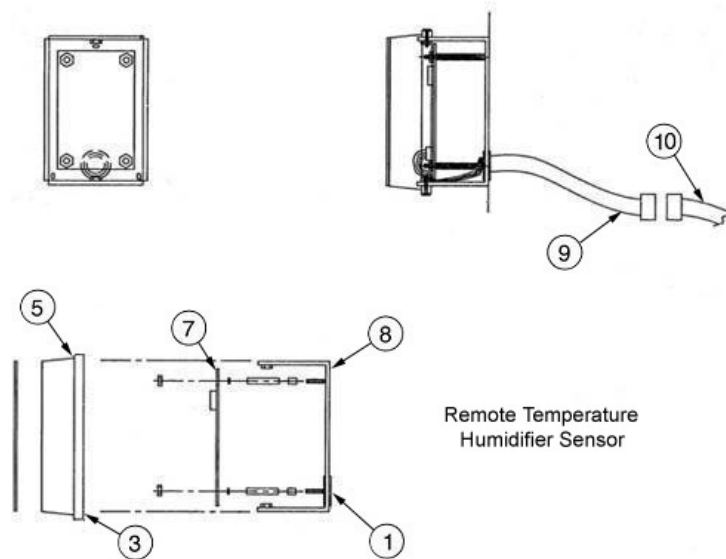
Liebert Color Selector Standard Colors



Your Specialty colors available at additional cost.
Consult Liebert Corporation

14. Miscellaneous Section

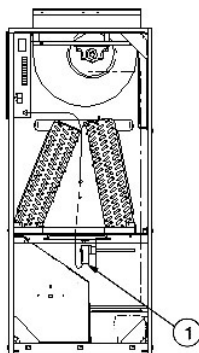
14.1. Remote Temperature Sensor



Item #	Part Number	Description	Quantity
1	E-0800	BUSHING RBR 1/2" I.D. x 1" O.D.	1
	4A10179P1	SCREW M PH PHL Z 6-32x7/16	2
	G-118A	WASHER FIBER #40	4
	G-2850	SPACER NYLON 1/4" O.D. x 1/4" Lg. #4	4
	G-4040	SPACER STANDOFF 1/4" x 1-1/2" 4-40M	4
	S-5330	NUT HEX MACH NYLON #4-40	4

Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
3	G03-001A	BOX PLASTIC (WALL MOUNTED)	ALL	1	1	1	1	1	1	1
5	Y-2130	LABEL S3 SENSOR WALLBOX	ALL	1	1	1	1	1	1	1
7	4C13121G4	PWA SMT TEMP/HUM GEN EAST SNSR	ALL	1	1	1	1	1	1	1
8	020-0482	BOX T/H SURFACE MNT ASSY	ALL	1	1	1	1	1	1	1
9	022-2742	WH LV S3/DIS P16 REM T/H	ALL	1	1	1	1	1	1	1
10	022-2741	WH LV T/H SNSR REM 30Ft	ALL	1	1	1	1	1	1	1
	1C11237P1	WH LV T/H SNSR REM 60Ft	ALL	1	1	1	1	1	1	1
	1C16769P1	CABLE ASSY LV T/H SNSR REM90'	ALL	1	1	1	1	1	1	1
	1C16770P1	CABLE ASSY LV T/H SNSR REM120'	ALL	1	1	1	1	1	1	1
	1D11293P1	WH LV T/H SNSR REM 150Ft	ALL	1	1	1	1	1	1	1

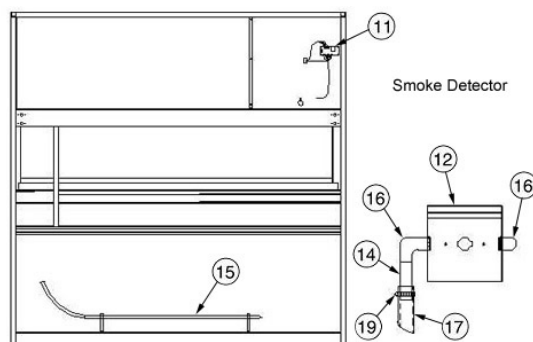
14.2. Firestat



Item #	Part Number	Description	Volts		110G 111G 114A 115A	116G 121G 125A 130A				
				72G 75A 86W	127W 128W	138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	E-2350	FIRESTAT OPEN ON RISE	ALL	1	1	1	1	1	1	1

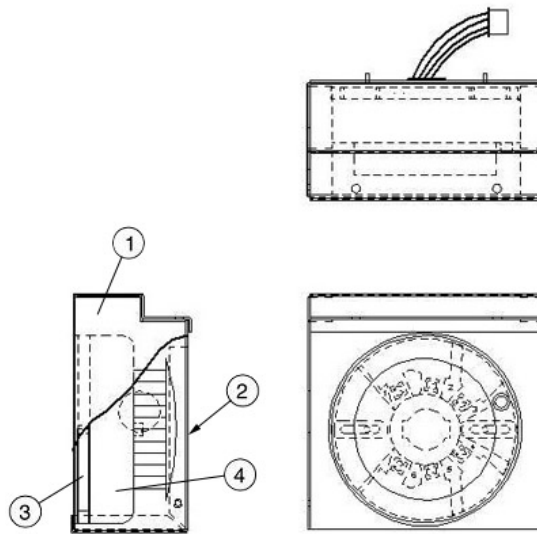
NOTE: E02-0110 has been replaced with 177590P1 on November 2003.

14.3. Smoke Detector



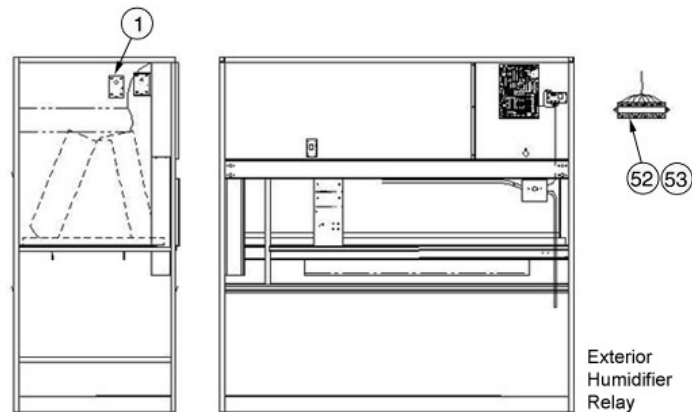
Item #	Part Number	Description	Volts		110G 111G 114A 115A	116G 121G 125A 130A				
				72G 75A 86W	127W 128W	138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
11	124502P2	PWA SMOKE DET CNTL 24VDC 2CONN	ALL	1	1	1	1	1	1	1
12		SMOKE DETECTOR ASSEMBLY (See Page 149)								
14	F02-8800	CONN TUBE SMOKE DETECTOR	ALL	2	2	2	2	2	2	2
16	E05-2580	CONDUIT CONN EMT .50 STR SCREW	ALL	1	1	1	1	1	1	1
17	S04-0420	TUBING VINYL CLEAR 3/4ID	ALL	9ft	9ft	9ft	9ft	9ft	9ft	9ft
19	P-3830	CLAMP HOSE WORM DRIVE 1" SS	ALL	3	3	3	3	3	3	3

14.3.1. Smoke Detector Assembly



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	149100P1	BOX SMOKE DETECTOR 731U	ALL	1	1	1	1	1	1	1
2	149101P1	COVER SMOKE DETECTOR 731U	ALL	1	1	1	1	1	1	1
3	149102P1	BASE SMOKE DETECT 702E & 702RE	ALL	1	1	1	1	1	1	1
4	149105P1	SMOKE DETECT BASE & HEAD 731L	ALL	1	1	1	1	1	1	1

14.4. Exterior Humidifier Relay



Item #	Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1	E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1
52	132487P1	TERMLSTRIP SECTION 1 POS	ALL	2	2	2	2	2	2	2
53	132487P2	TERMLSTRIP SECTION END BARRIER	ALL	1	1	1	1	1	1	1

14.5. High Water Alarm

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
1C19981G2	ALARM HIGH WATER SYS3	ALL	1	1	1	1	1	1	1
1A18786P1	RELAY T/D 24V 5SEC	ALL	1	1	1	1	1	1	1

14.6. Auto Restart

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
E-3530	RELAY T/D 24V 2P2T ADJ 90SEC	ALL	1	1	1	1	1	1	1

14.7. Compressor Overload 32AMP

Overload Relay

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
124547P1	OVERLOAD RELAY W/B MNT 32A C-H	ALL	2	2	2	2	2	2	2
1C19981G2	ALARM HIGH WATER SYS3	ALL	1	1	1		1	1	1

Heater

Part Number	Description	Quantity
125768P1	HEATER CLASS 20 .254-.411A C-H	3
125768P2	HEATER CLASS 20 .375-.607A C-H	3
125768P3	HEATER CLASS 20 .560-.907A C-H	3
125768P4	HEATER CLASS 20 .814-1.32A C-H	3
125768P5	HEATER CLASS 20 1.20-1.96A C-H	3
125768P6	HEATER CLASS 20 1.79-2.90A C-H	3
125768P7	HEATER CLASS 20 2.15-3.49A C-H	3
125768P8	HEATER CLASS 20 3.23-5.23A C-H	3
125768P9	HEATER CLASS 20 4.55-7.40A C-H	3
125768P10	HEATER CLASS 20 6.75-11.0A C-H	3
125768P11	HEATER CLASS 20 9.14-14.0A C-H	3
125768P12	HEATER CLASS 20 14.0-22.8A C-H	3
125768P13	HEATER CLASS 20 18.7-30.7A C-H	3
125768P14	HEATER CLASS 20 23.5-38.5A C-H	3

14.8. Compressor Overload 60AMP Overload Relay

Part Number	Description	Volts		110G 111G 114A	116G 121G 125A				
			72G 75A 86W	115A 127W 128W	130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
155074P1	OVERLOAD RESET BUTTON ASSY	ALL	2	2	2	2	2	2	2
E05-5220	OVERLOAD TRIBLOCK AMB- COMP 60A	ALL	2	2	2	2	2	2	2
F-4010	COVER OVERLOAD RELAY	ALL	2	2	2	2	2	2	2

Heater

Part Number	Description	Quantity
E-3330	HEATER E23	3
E-2600	HEATER E24	3
E-0830	HEATER E26	3
E-0840	HEATER E27	3
E-0850	HEATER E28	3
E-1840	HEATER E29	3
E-2650	HEATER E31	3
E-0860	HEATER E32	3
E-1850	HEATER E33	3
E-2610	HEATER E34	3
E-1860	HEATER E36	3
E-0870	HEATER E37	3
E-0880	HEATER E38	3
E-0890	HEATER E39	3
E-2660	HEATER E41	3
E-0900	HEATER E42	3
E-0910	HEATER E44	3
E-0920	HEATER E46	3
E-0930	HEATER E47	3
E-0940	HEATER E48	3
E-1810	HEATER E49	3
E-095A	HEATER E50	3
E-0950	HEATER E51	3
E-0960	HEATER E52	3
E-0970	HEATER E53	3
E-0980	HEATER E54	3
E-0990	HEATER E55	3
E-1000	HEATER E56	3
E-1010	HEATER E57	3
E-2670	HEATER E60	3
E-2680	HEATER E61	3
E-2690	HEATER E62	3
E-1830	HEATER E65	3
E-2700	HEATER E67	3
E-183A	HEATER E69	3
E-3810	HEATER E71	3
1A11900P1	HEATER E72	3
1A29193P1	HEATER E73	3
E-3840	HEATER E73A	3
E-3820	HEATER E74	3
E-3830	HEATER E76	3
E-6070	HEATER E77	3
1A29194P1	HEATER E78	3
1A18777P1	HEATER E79	3
1A29194P2	HEATER E80	3
1A29194P3	HEATER E98	3
1A29193P2	HEATER E103	3

14.9. AutoSwitch Over

SM Controls

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
E-2440	RELAY 3P2T 24VAC 125V MAXLOAD	ALL	1	1	1	1	1	1	1
E-2630	RELAY T/D 24V 1P1T 10SEC INT	ALL	1	1	1	1	1	1	1
E-3530	RELAY T/D 24V 2P2T ADJ 90SEC	ALL	1	1	1	1	1	1	1
E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1
132487P1	TERMLSTRIP SECTION 1 POS	ALL	6	6	6	6	6	6	6
132487P2	TERMLSTRIP SECTION END BARRIER	ALL	1	1	1	1	1	1	1
1C14755P1	COVER ELECT BOX SGL W/HOLE	ALL	1	1	1	1	1	1	1
E-0450	BOX ELEC SGL SQR CORNR	ALL	1	1	1	1	1	1	1

AM/AG Controls

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
149117P1	CONTACTS AUX NO/NC 49ACR6 FRNS	ALL	1	1	1	1	1	1	1
E-2440	RELAY 3P2T 24VAC 125V MAXLOAD	ALL	1	1	1	1	1	1	1
E-2630	RELAY T/D 24V 1P1T 10SEC INT	ALL	1	1	1	1	1	1	1
E-3530	RELAY T/D 24V 2P2T ADJ 90SEC	ALL	1	1	1	1	1	1	1
E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1
132487P1	TERMLSTRIP SECTION 1 POS	ALL	6	6	6	6	6	6	6
132487P2	TERMLSTRIP SECTION END BARRIER	ALL	1	1	1	1	1	1	1
1C14755P1	COVER ELECT BOX SGL W/HOLE	ALL	1	1	1	1	1	1	1
E-0450	BOX ELEC SGL SQR CORNR	ALL	1	1	1	1	1	1	1

14.10. Kit Open Comms

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
NIC	KIT OPENCOMMS NETWORK CARD	ALL	1	1	1	1	1	1	1
OC-DOS	KIT OPENCOMMS DISCRETE OUTPUT	ALL	1	1	1	1	1	1	1

14.11. Main Fan Auxillary

Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
			75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
149117P1	CONTACTS AUX NO/NC 49ACR6 FRNS	ALL	1	1	1	1	1	1	1
132487P1	TERMLSTRIP SECTION 1 POS	ALL	2	2	2	2	2	2	2
132487P2	TERMLSTRIP SECTION END BARRIER	ALL	1	1	1	1	1	1	1

14.12. Hot Gas Reheat

Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
			75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1

14.13. Reheat Humidifier Lockout

Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
			75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
E-0130	RELAY 2P2T 24VAC COIL	ALL	1	1	1	1	1	1	1

14.14. Compressor Antirecycle

Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
			75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
140248P1	RELAY T/D 24V 3MIN ANTICYCLE	ALL	2	2	2	2	2	2	2

14.15. Extra Common Alarm

Part Number	Description	Volts	72G	110G	116G	192G	240G	265G	363G
			75A 86W	111G 114A 115A 127W 128W	121G 125A 130A 138W 143W				
E-2440	RELAY 3P2T 24VAC 125V MAXLOAD	ALL	1	1	1	1	1	1	1

14.16. Analog Input

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
140615G1	WH LV S3 ANALOG INP P10 AM/AG	ALL	1	1	1	1	1	1	1
132487P1	TERMLSTRIP SECTION 1 POS	ALL	2	2	2	2	2	2	2
132487P2	TERMLSTRIP SECTION END BARRIER	ALL	1	1	1	1	1	1	1

14.17. Low Suction Alarm

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
E-4650	RELAY T/D 24V 2P2T NO 480 SEC	ALL	2	2	2	2	2	1	2
E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	4	4	4	4	4	2	4

14.18. Liquitect Shutdown Alarm

AM/AG Liquitect Shutdown Alarm

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
E-3530	RELAY T/D 24V 2P2T ADJ 90SEC	ALL	1	1	1	1	1	1	1
132487P1	TERMLSTRIP SECTION 1 POS	ALL	2	2	2	2	2	2	2
132487P2	TERMLSTRIP SECTION END BARRIER	ALL	1	1	1	1	1	1	1

SM Liquitect Shutdown Alarm

Part Number	Description	Volts	72G 75A 86W	110G 111G 114A 115A 127W 128W	116G 121G 125A 130A 138W 143W	192G 199A 219W	240G 245A 267W	265G 290A 315W	363G 380A 412W
E-3530	RELAY T/D 24V 2P2T ADJ 90SEC	ALL	1	1	1	1	1	1	1
E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1
132487P1	TERMLSTRIP SECTION 1 POS	ALL	2	2	2	2	2	2	2
132487P2	TERMLSTRIP SECTION END BARRIER	ALL	1	1	1	1	1	1	1

15. Parts Gallery



020-0482



022-2742



1A11359P1



1A12800P1



1A16207P1



1A18660P1



1A19271P1



1A21071P1



1A22733P1-P2



1A22735P1-P2



1B29146P1



1B29146P2



1B29146P3



1C11305P1



1C13815P1



1C13999G1



1C14432P1



1C16401P1



1C16604P1



1C16605P1



1C16719P1



1C16720P1



1C18003G2



1C18259P1



1C18337P1



1C18351P1



1C18351P2



1C18354P1



1C18603P1



1C18661P2



1C18707P1



1C18809P1



1C18810P1



1C19981G2



1C23803-804



1C21355P1



1C21770P2



1D15059P1



1D15060P1



1D16206P1



4C13121G4



4C14591G1



4C14651G1



4D10399P1



4D14331G2



4D14431G2



121794G1



121964P1



121965P1



121965P2



123273P1



123280P1



123281P1



123282P1



123283P1



123560G1-G2



123575P1



124216P2



124501P1



124502



124503P1



124547P1



124549P1



127781P1



128199P1



128750P1



128752P1



128753P1



128754P1



128759P1



129323P1



130992P2



131853P1



131852P2



132487P1



132487P2



135409P2- P3



135637P2



136202P1



136203P1



136203P2



136205P1



136222P1



136240P5



136240P10-14



136743P1



136956P1



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139147



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140615G1



140653P1



140654P1



146350



140997P1



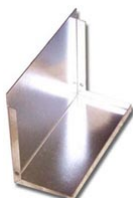
148039P1



148367P1



149100P1



149101P1



149102P1



149103P1



149105P1



151802P1



149376P1



151802P1



153043P1



153044P1



153315P1



160010P1



160011P1



160125P1



160158G1



166819G1



168198P1



175023P1



175025P1



177481



177590P1



183116P1S



415761G2-G3



A-0350



B02-0190



B05-014E



C06-0010



C-080K



C-080N



C-080W



C-087A



C-088A



C-0720



C-0870



C-0880



C-0890



C-0910



C-0930



E02-0110



E02-2880



E03-0170



E05-2580



E05-5220



E-007A



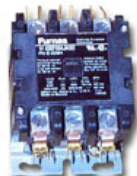
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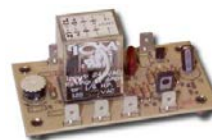
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F30-0040



F30-0520



F30-0550



F-600C



F-601C



F-601D



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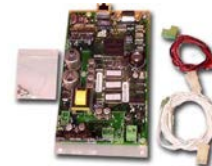
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P05-169E



P05-169F



P05-4360



P15-0110



P15-0140



P15-0150



P15-0170



P15-0210



P-0020



P-0050



P-057B



P-0070



P-0080



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P-3020



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P-311A



P-311B



P-5400



P-5500



P-5510



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P-5590



R-0520



R-0970



R13-0090



R-013A



S04-0420



S13-0140



S-6210



T-0220



X-015A



Y2130

16. Revision Page

Revision Date	Modification	Details
11/27/2008	Convert manual into new layout	-