

Liebert Deluxe System™ (DH)

Deluxe System Family



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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 dry cooler 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) 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.

Optional Equipment Description

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

Steam Humidifier with upflow units requires the purchase of a plenum (22 ¾ in. (58cm) minimum height).

VH/VE DX Models Front, rear, or bottom return must be specified. Bottom return available on Air Cooled models only. Top front or top rear supply must also be specified. Rear return units have a filter box that ships separately.

UH CW Models Front, rear, or bottom return must be specified. (Bottom return is not available on UH600C & UH740C).

Hot Water and Steam Reheat both includes modulating valve and y-strainer.

For Downflow units complete steam/hot water reheat package PLUS on DX units an oversized fan motor.

For Upflow units, complete steam/hot water reheat package, 22 ¾ in. (58 cm) high plenum, and grille (deduct available for plenum with top duct connection). The Liebert Blower Performance Program must be used to determine fan motor size.

Hot Gas Reheat (Water Cooled, Glycol and Glycool models only). Not available on upflow models. Water Cooled models are equipped with one stage of electric reheat.

Disconnect Switch externally operated, non-fused (locking type or non-locking type).

Lock Module. This option locks on liqui-tector signal even if moisture is no longer present. To clear alarm you manually reset.

Liqui-Tect Sensor furnished with 6 in. (15 cm) pigtailed and all mounting hardware.

Remote Sensors. Temperature and Humidity Sensors in an attractive case with 30 ft. (9 m), 60 ft. (18 m), 90ft. (27 m), 120 ft. (36 m) or 150 ft. (45 m) cable.

Steam Generating Canister Humidifier includes replaceable canister, supply and drain valves, steam distributor and electronic controls. High water indicator is wired to Humidifier Problem Alarm on Advanced and Graphics Microprocessors.

Cut Down Frame height reduction of Downflow units from top: Chilled Water = 15 in. (39 cm) 6 to 10 Ton = 14 1/2 in. (37 cm) 15 to 30 Ton = 11 1/4 in. (29 cm).

Cut Down Frame height reduction of Upflow DX units from bottom: 6 to 10 Ton = 11 in. (37 cm) 15 to 30 Ton = 15 in. (29 cm) On Water, Glycol & Glycool models, water and refrigerant lines must be cut in the field to obtain reduction. On UH 600C/740C height reduction of 20in (51 cm) from the top.

Two (2) Additional Remote Shutdown Terminals provide the customer with a total of three locations to remotely shut down the unit.

Two (2) Extra Common Alarm Contacts provide the customer with a total of 3 sets of n/o contacts for remote indication of unit alarms.

Remote Humidifier Contacts allow the unit's humidity controller to control a humidifier outside the unit. Power to operate the remote humidifier does not come from the deluxe unit.

Reheat and Humidifier Lockout Relays allow the customer to disable the operation of reheats and humidifier from a remote location.

Main Fan Auxiliary Switch provides the unit with 1n/o set of contacts to indicate that the motor/unit is running.

Flow Switch shall activate the warning system, should the chilled water supply be interrupted. The switch shall be factory-mounted and wired for Chilled Water units only. (Not available with two-way valve.) Rated for 150psig (1034kPa).

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.

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

High Pressure Water Cooled or Glycol Cooled System (300psig / 2068.5kPa) includes WRV and condenser to meet the listed pressure. Glycool 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 (2758kPa).

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

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 floor stand.

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

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 20in. (51cm), 22 $\frac{3}{4}$ in. (58cm), and 34 $\frac{3}{4}$ in. (88cm) insulation on all four sides. The following standard configurations are available: Front or Rear Discharge with grille; Top Discharge with 1 in. (2.5cm) 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 Open View) 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:

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
 - 1) Only (On Downflow Units)
 - 4) Increased Fan Motor Size

Available in Downflow versions 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. (23cm) 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.

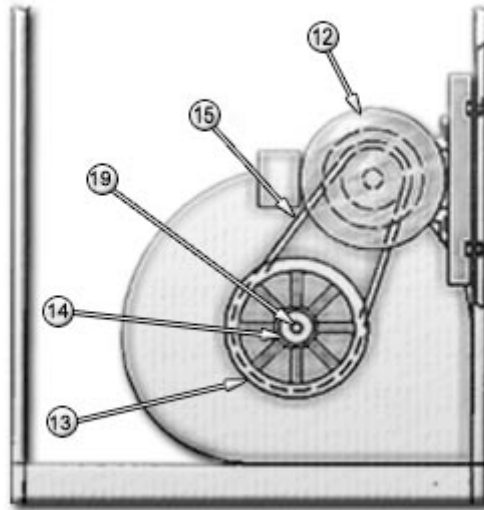
Optional Extended Protection Programs - Domestic Only

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).

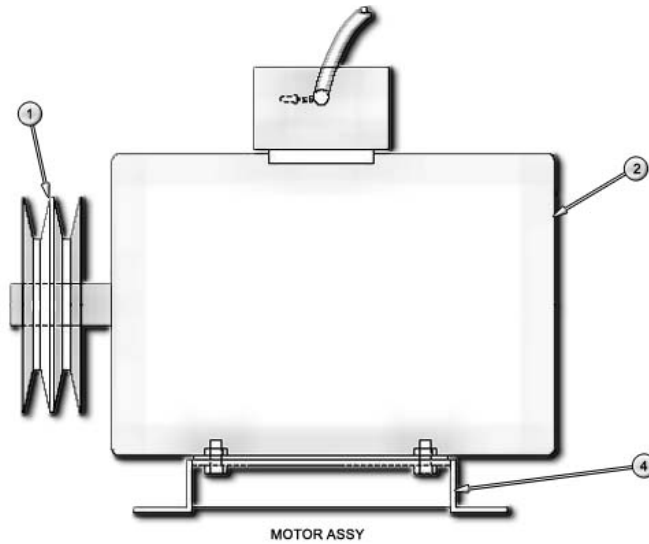
NOTE: This does not include the features of the Comprehensive 1st year labor option.

1.0 Blower/Motor Assembly



- | | | | |
|----|----------------|----|-----------|
| 12 | Motor Assembly | 15 | Belt |
| 13 | Pulley | 19 | Key Stock |
| 14 | Bushing Pulley | | |

1.1 Motor Assembly



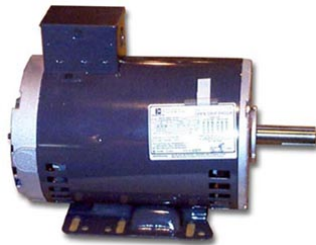
- | | |
|---|------------|
| 1 | Sheave |
| 2 | Motors |
| 4 | Motor Base |

1.1.1 Sheave



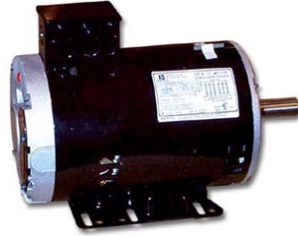
PART NUMBER	DESCRIPTION	HZ	TONNAGE / HP													
			6		8		10		15		20		22		30	
			1	1.5	1.5	2	2	3	3	5	5	7.5	10	7.5	10	10
B-005B	SHEAVE 2VP42x7/8	50	1	1	1											
		60	1	1	1	1	1									
B-2250	SHEAVE 2VP42x1-1/8	50/60							1							
B-0690	SHEAVE 2VP60x7/8	50				1	1									
B-069B	SHEAVE 2VP60x1-1/8	50/60						1		1	1					
B-069A	SHEAVE 2VP60x1-3/8	50/60										1	1	1	1	1

1.1.2 Motors



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
B-1720	MOTOR 1.0HP 200/208-3-60 E+	1						
B-0900	MOTOR 1.0HP 200/380/400-3-50	1						
B-016B	MOTOR 1.0HP 208/230/460-3-60	1						
B-1730	MOTOR 1.0HP 230/460-3-60	1						
160627P1	MOTOR 1.0HP 230/460-3-60 PE	1						
B-2200	MOTOR 1.0HP 380-3-60	1						
B-017A	MOTOR 1.0HP 575-3-60	1						
160628P1	MOTOR 1.0HP 575-3-60 PE	1						
B-2210	MOTOR 1.5HP 190/380-3-60	1	1					
B-1740	MOTOR 1.5HP 200/208 E+ OPD	1	1					
B-0910	MOTOR 1.5HP 200/380/400-3-50	1	1					

160629P1	MOTOR 1.5HP 208-3-60 PE	1	1					
B-019A	MOTOR 1.5HP 208/230/460-3-60	1	1					
B-1750	MOTOR 1.5HP 230/460 E+ OPD	1	1					
160630P1	MOTOR 1.5HP 230/460-3-60 PE	1	1					
B-020A	MOTOR 1.5HP 575-3-60	1	1					
160631P1	MOTOR 1.5HP 575-3-60 PE	1	1					



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
B-1760	MOTOR 2.0HP 200/208-3-60 E+		1	1				
B-0920	MOTOR 2.0HP 200/380/400-3-50		1	1				
160632P1	MOTOR 2.0HP 208-3-60 PE		1	1				
B-022A	MOTOR 2.0HP 208/230/460-3-60		1	1				
B-1770	MOTOR 2.0HP 230/460-3-60		1	1				
160633P1	MOTOR 2.0HP 230/460-3-60 PE		1	1				
B-2160	MOTOR 2.0HP 380-3-60		1	1				
B-023A	MOTOR 2.0HP 575-3-60		1	1				
160634P1	MOTOR 2.0HP 575-3-60 PE		1	1				



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
B-2220	MOTOR 3.0HP 190/380-3-60			1	1			
B-1780	MOTOR 3.0HP 200/208-3-60 E+			1	1			
B-0930	MOTOR 3.0HP 200/380/400-3-50			1	1			
1A30349P2	MOTOR 3.0HP 208-3-60 PE			1	1			
B-025A	MOTOR 3.0HP 208/230/460-3-60			1	1			
B-1790	MOTOR 3.0HP 230/460-3-60 E+			1	1			
1A30349P1	MOTOR 3.0HP 230/460-3-60 PE			1	1			
B-026A	MOTOR 3.0HP 575-3-60			1	1			
160635P1	MOTOR 3.0HP 575-3-60 PE			1	1			



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
B-0940	MOTOR 5.0HP 200/380/400-3-50				1	1		
1C30169P2	MOTOR 5.0HP 208-3-60 PE				1	1		
B-028A	MOTOR 5.0HP 208/230/460-3-60				1	1		
B-1810	MOTOR 5.0HP 230/460-3-60 E+				1	1		
1C30169P1	MOTOR 5.0HP 230/460-3-60 PE				1	1		
B-2090	MOTOR 5.0HP 380-3-60 ODP				1	1		
B-029A	MOTOR 5.0HP 575-3-60				1	1		
160636P1	MOTOR 5.0HP 575-3-60 PE				1	1		



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
B-1330	MOTOR 7.5HP 200/380/400-3-50					1	1	
1A22733P2	MOTOR 7.5HP 208-3-60 PE					1	1	
B-035A	MOTOR 7.5HP 208/230/460-3-60					1	1	
1A22733P1	MOTOR 7.5HP 230/460-3-60 PE					1	1	
B-2170	MOTOR 7.5HP 380-3-60					1	1	
B-034A	MOTOR 7.5HP 575-3-60					1	1	
160995P1	MOTOR 7.5HP 575-3-60 PE					1	1	
B-1830	MOTOR 7.5HP 208-230/460-3-60 E					1	1	



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
B02-0110	MOTOR 10.0HP 200/380/400-3-50					1	1	1
1A22735P2	MOTOR 10.0HP 208-3-60 PE					1	1	1
140997P1	MOTOR 10.0HP 208/230/460-3-60					1	1	1
B05-006B	MOTOR 10.0HP 208/230/460-3-60					1	1	1
B02-0120	MOTOR 10.0HP 220/380-3-50					1	1	1
140998P1	MOTOR 10.0HP 575-3-60					1	1	1
B02-010A	MOTOR 10.0HP 575-3-60					1	1	1
160285P1	MOTOR 10.0HP 575-3-60 PE					1	1	1
1A22735P1	MOTOR 10.0HP 230/460-3-60 PE					1	1	1
B02-0170	MOTOR 10.0HP 380/416-3-60					1	1	1

1.1.3 Motor Base



PART #	DESCRIPTION	HP							
		1	1.5	2	3	5	7.5	10B	
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	

1.2 Pulley



PART NUMBER	DESCRIPTION	HZ	TONNAGE / HP													
			6		8		10		15		20		22		30	
			1	1.5	1.5	2	2	3	3	5	5	7.5	10	7.5	10	10
B-054A	PULLEY 2BK70H	50		1	1											1
B-0540	PULLEY 2BK80H	50	1			1		1	1			1	1	1	1	
		60	1	1	1	1	1	1								
B02-0050	PULLEY 2BK90H	50					1			1	1					
		60							1				1		1	1
B-0530	PULLEY 2BK100H	60									1	1		1		
B-0700	PULLEY 2BK110H	60								1						

1.3 Bushing Pulley



PART #	DESCRIPTION	HP	BEARINGS	TONNAGE					
				6	8	10	15	20	30
B-0080	BUSHING PULLEY H 1" DIA	1//3	STD	1	1	1			
B-1160	BUSHING PULLEY H 1-3/16"DIA	1//3	200K	1	1	1			
B-1160	BUSHING PULLEY H 1-3/16"DIA	5/7.5	STD				1	1	
1A23547P1	BUSHING PULLEY HX1 7/16 D	5/7.5	200K				1	1	
1A23547P1	BUSHING PULLEY HX1 7/16 D	10.0	STD&200K					1	1

1.4 Belt



PART NUMBER	DESCRIPTION	HZ	TONNAGE / HP													
			6		8		10		15		20		22		30	
			1	1.5	1.5	2	2	3	3	5	5	7.5	10	7.5	10	10
B-1690	BELT B-36	50							2							
B-0600	BELT B-38	50									2	2	2	2		
		60						2								
B-060A	BELT B-40	50	2	2	2			2								
		60	2	2	2	2	2	2								
B-0550	BELT B-42	50							2	2					2	
		60								2	2	2	2	2	2	
B-1680	BELT B-44	50				2										
		60							2							
B-0570	BELT B-46	50					2									

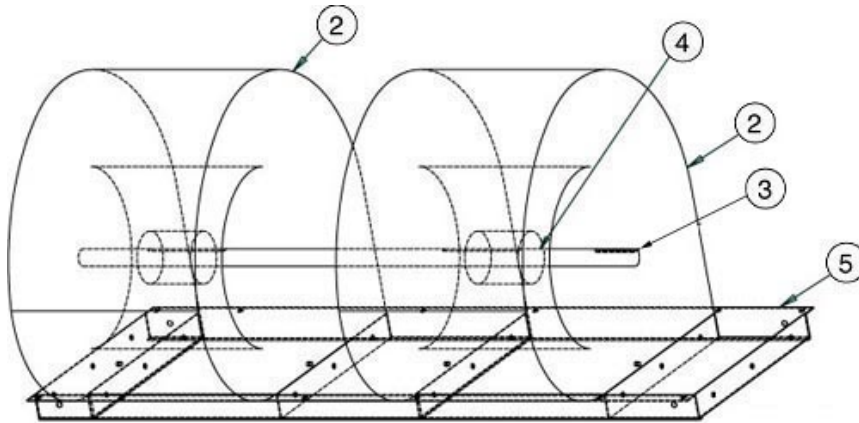
1.5 Key Stock



PART NUMBER	DESCRIPTION	HZ	TONNAGE					
			6	8	10	15	20	30
B-0650	KEY STOCK 1/4X 1-5/16	ALL	1	1	1			

2.0 Blower Assembly

2.1 6/8/10T – Standard Bearings



6/8/10 Ton - Standard Bearings

- | | | | |
|---|--------|---|-------------------|
| 2 | Blower | 4 | Bearing |
| 3 | Shaft | 5 | Weldment Fan Deck |

2.1.1 Blower



PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				6	8	10
B-0010	BLOWER W/H A12-09AX1.00	1/3	STD	2	2	2

2.1.2 Shaft



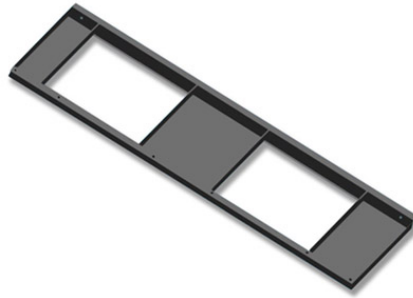
PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				6	8	10
B-0020	SHAFT 38.69 X 1.00	1/3	STD	1	1	1

2.1.3 Bearing



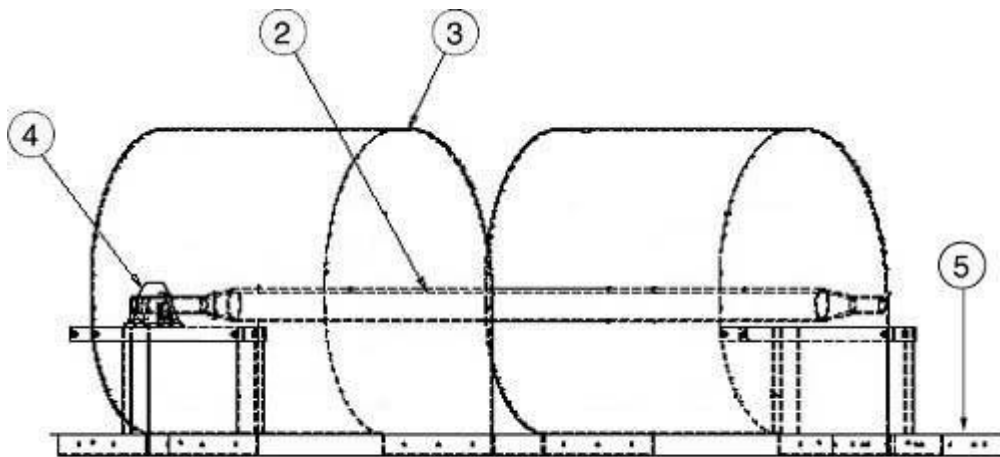
PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				6	8	10
B-0040	BEARING	1/3	STD	3	3	3

2.1.4 Weldment Fan Deck



PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				6	8	10
F-008A	WELDMENT FAN DECK 2-12X9 FANS	1/3	STD	1	1	1

2.2 6/8/10T – 200K Bearings



6/8/10 Ton - 200K Bearings

- 2 Shaft
- 3 Blower
- 4 Bearing
- 5 Weldment Fan Deck

2.2.1 Shaft



PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				6	8	10
1C30283P1	SHAFT 40.69 x 1-3/16	1/3	200K	1	1	1

2.2.2 Blower



PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				6	8	10
1A30285P1	BLOWER W/H A12-09Ax1.19	1/3	200K	2	2	2

2.2.3 Bearing



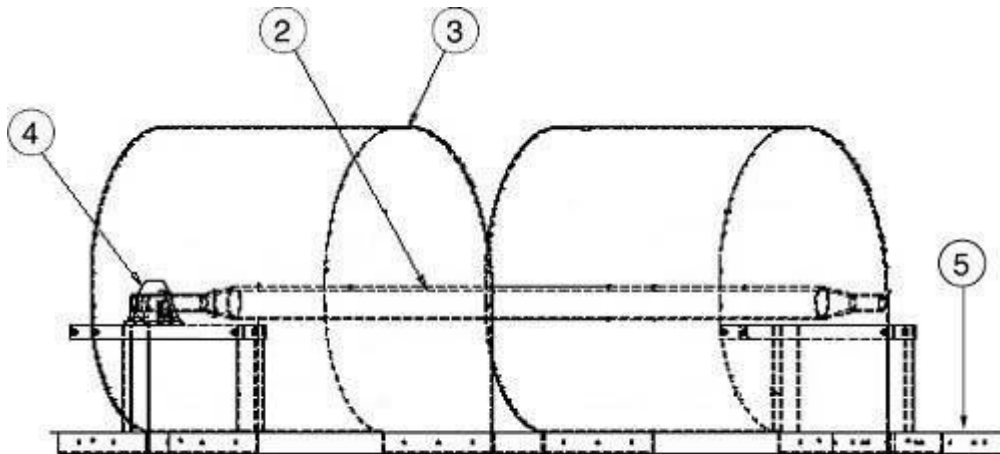
PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				6	8	10
B-064A	BEARING PILLOW BLK CI 1-3/16	1/3	200K	2	2	2

2.2.4 Weldment Fan Deck



PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				6	8	10
1D32256G1	WELDMENT FAN DECK 2-12X9 FANS	1/3	200K	1	1	1

2.3 15/20/22T – STD & 200K Bearings



15/20/22 Ton STD & 200K Bearings

- | | | | |
|---|--------|---|-------------------|
| 2 | Shaft | 4 | Bearing |
| 3 | Blower | 5 | Weldment Fan Deck |

2.3.1 Shaft



PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				15	20	22
B-1140	SHAFT TUBULAR FAN	5/7.5	STD	1	1	1
B02-0200	SHAFT TUBULAR FAN	5/7.5	200K	1	1	1
		10	STD		1	1
			200K		1	1

2.3.2 Blower



PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				15	20	22
B-1170	BLOWER W/H A15-15Ax2.25	5/7.5	STD	2	2	2
B02-0210	BLOWER W/H A15-15Ax3.00	5/7.5	200K	2	2	2
		10	STD		2	2
			200K		2	2

2.3.3 Bearing



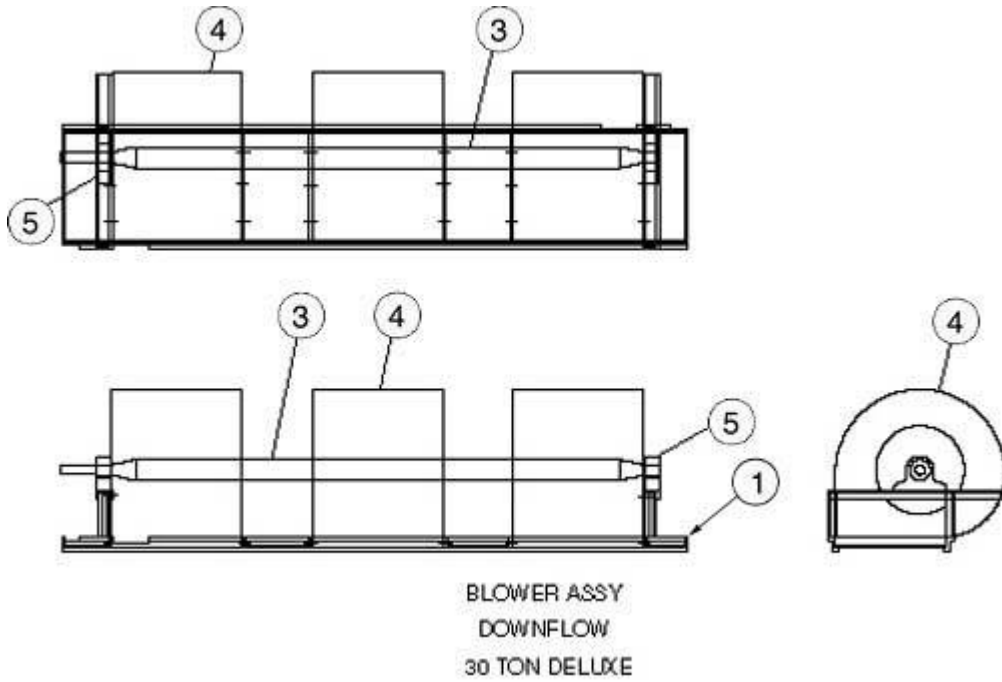
PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				15	20	22
B-064A	BEARING PILLOW BLK CI 1-3/16	5/7.5	STD	2	2	2
B05-0200	BEARING PILLOW BLOCK	5/7.5	200K	2	2	2
		10	STD		2	2
1A30499P1	BEARING PILLOW BLOCK w/FTG	10	200K		2	2

2.3.4 Weldment Fan Deck



PART #	DESCRIPTION	HP	BEARINGS	TONNAGE		
				15	20	22
F-009D	WELDMENT FAN DECK 2-15x15 FANS	5/7.5	STD	1	1	1
F02-9600	WELDMENT FAN DECK w/ 10Hp D	5/7.5	200K	1	1	1
		10	STD		1	1
			200K		1	1

2.4 30T Downflow



- | | |
|---------------------|-----------|
| 1 Weldment Fan Deck | 4 Blower |
| 3 Shaft | 5 Bearing |

2.4.1 Weldment Fan Deck



PART #	DESCRIPTION	HP	BEARINGS	30 TON
125426G1	WELDMENT FAN DECK 30T AWG	10	STD	1
			200K	1

2.4.2 Shaft



PART #	DESCRIPTION	HP	BEARINGS	30 TON
125425P1	SHAFT BLOWER 30T AWG	10	STD	1
		10	200K	1

2.4.3 Blower



PART #	DESCRIPTION	HP	BEARINGS	30 TON
B02-0210	BLOWER W/H A15-15Ax3.00	10	STD	3
			200K	3

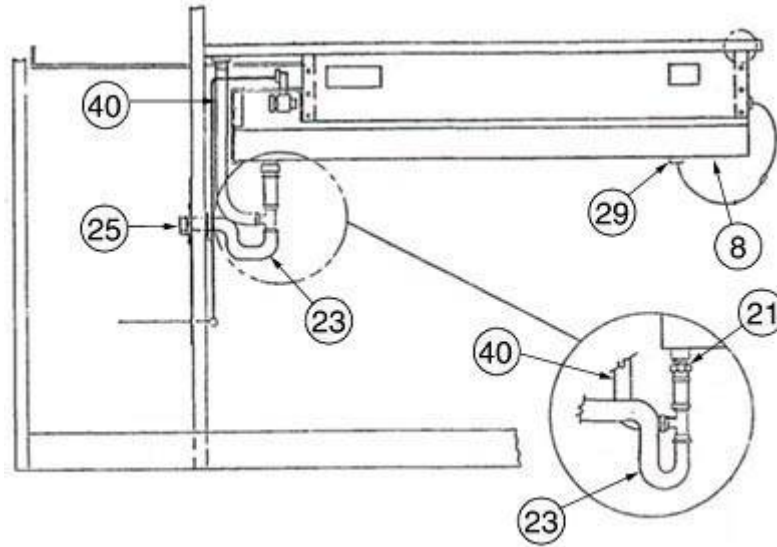
2.4.4 Bearing



PART #	DESCRIPTION	HP	BEARINGS	30 Ton
B05-0200	BEARING PILLOW BLOCK	10	200K	2
1A30499P1	BEARING PILLOW BLOCK w/FTG	10	200K	2

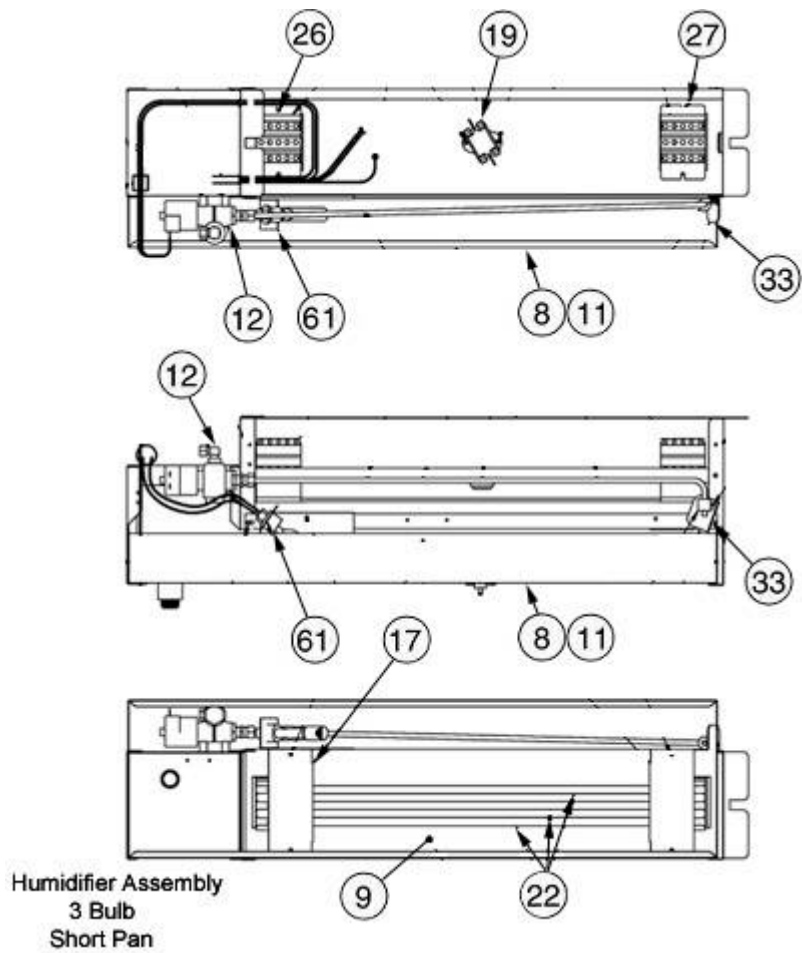
3.0 Humidifier Section

3.1 Humidifier Infrared



- | | | | |
|----|-----------------------|----|---------------|
| 8 | Humidifier Assemblies | 25 | Nylon Adapter |
| 21 | Swivel Adapter | 29 | Sensor |
| 23 | Rubber Drain Trap | 40 | Hose |

3.1.1 Humidifier Assembly – 50Hz, 6T



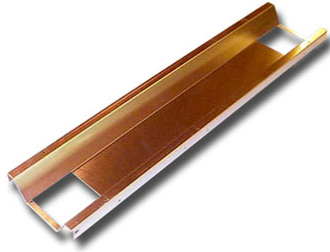
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|----|-------------------------|----|---------------------------|
| 8 | Pan Humidifier | 22 | I/R Lamp |
| 9 | Reflector Single | 26 | Socket Assembly |
| 11 | Stand Pipe | 27 | Socket Assembly |
| 12 | Solenoid Valve Assembly | 33 | Plate |
| 17 | Cover End Block | 61 | High Water Alarm Assembly |
| 19 | Safety Switch | | |

3.1.1.1 Pan Humidifier



PART #	DESCRIPTION	6 TON
160158G2	PAN HUMIDIFIER (SHORT)	1

3.1.1.2 Reflector Single



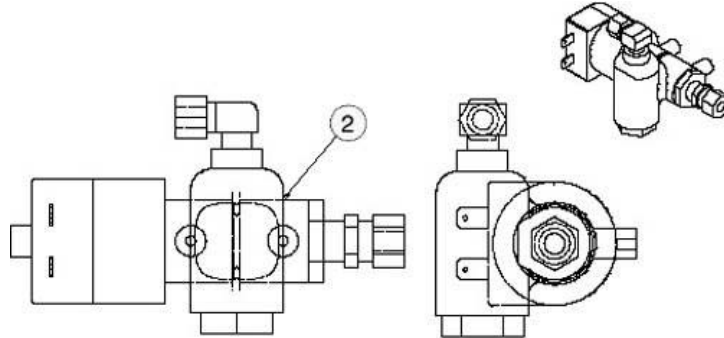
PART #	DESCRIPTION	6 TON
F-600C	REFLECTOR SINGLE	1

3.1.1.3 Stand Pipe



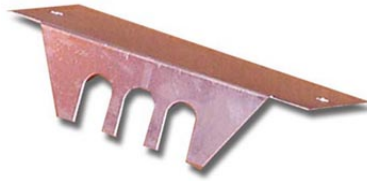
PART #	DESCRIPTION	6 TON
1C18003G2	STANDPIPE ASSY w/ NUT	1

3.1.1.4 Solenoid Valve Assembly



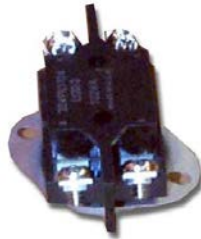
PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P-5590 (2)	VALVE SOL/STRNR/FLO-REG .5 GPM	ALL	1	1	1	1

3.1.1.5 Cover End Block



PART #	DESCRIPTION	6 TON
F-6090	COVER END BLOCK	2

3.1.1.6 Safety Switch



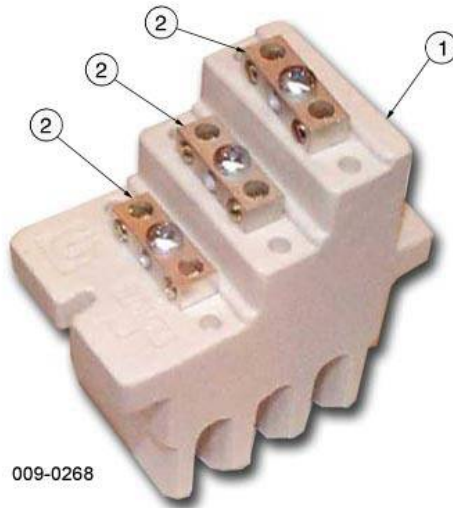
PART #	DESCRIPTION	Volts	6-TON
R13-0090	SAFETY SWT THERM. 120F TRIP	380/415V	3

3.1.1.7 I/R Lamp



PART #	DESCRIPTION	VOLTS	6 TON
H-0020	LAMP I/R LINEAR/QRTZ 1600W240V	380/415V	3

3.1.1.8 Socket Assembly (009-0268)



- 1 Socket Busbar
- 2 Humidifier Busbar

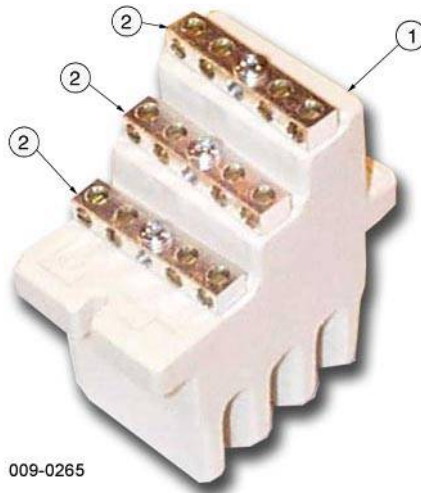


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-0360	BUSBAR HUMIDIFIER HI-VOLT	ALL	3	3	3	3

3.1.1.9 Socket Assembly (009-0265)



- 1 Socket Busbar
- 2 Humidifier Busbar

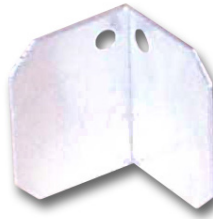


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



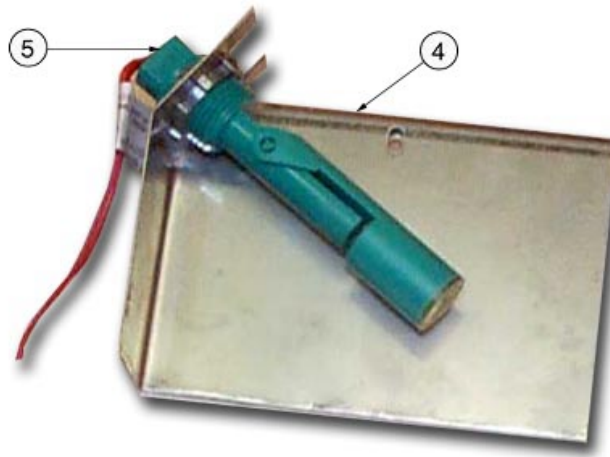
PART #	DESCRIPTION	Volts	BULB			
			2	3	4	6
H-0370 (2)	BUSBAR HUMIDIFIER HI-VOLT	ALL	2	3	2	3

3.1.1.10 Plate



PART #	DESCRIPTION	6 TON
1C18337P1	PLATE SYS3 HUMID	1

3.1.1.11 High Water Assembly



PART #	DESCRIPTION	TONNAGE			
		6-8	10-15	20-22	30
1C19981G2	ALARM HIGH WATER SYS3	1	1	1	1

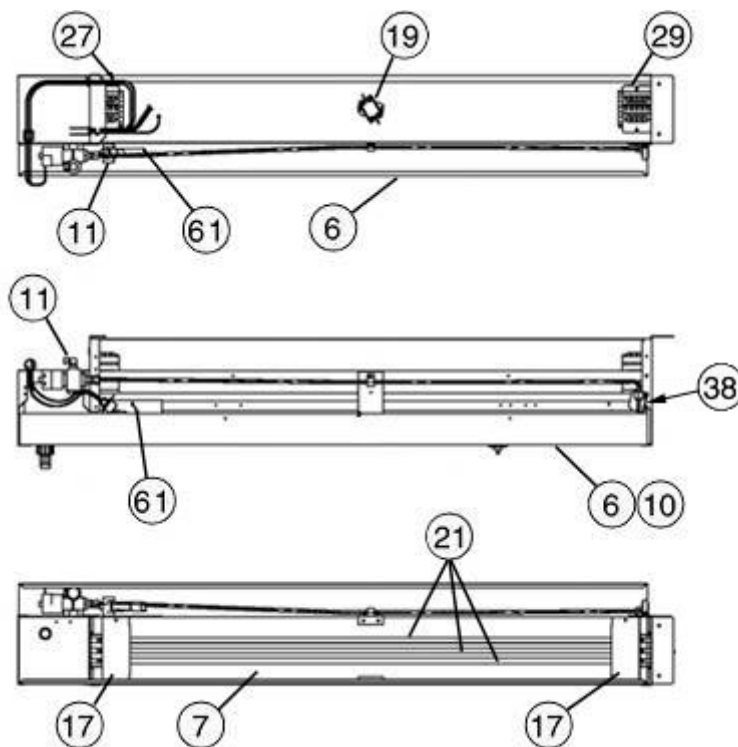


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1C18661P2 (4)	BRKT HUM MTG LIQ LEV SW DX	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1A18660P1 (5)	SW LEVEL LIQUID GEMS LS-7	ALL	1	1	1	1

3.1.2 Humidifier Assembly – 50Hz, 8/10/15/20/22/30T



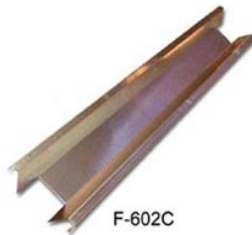
- | | | | |
|----|-------------------------|----|---------------------|
| 6 | Pan Humidifier | 21 | I/R Lamp |
| 7 | Reflector Double | 27 | Socket Assembly |
| 10 | Stand Pipe | 29 | Socket Assembly |
| 11 | Solenoid Valve Assembly | 38 | Plate |
| 17 | Cover End Block | 61 | High Water Assembly |
| 19 | Safety Switch | | |

3.1.2.1 Pan Humidifier



PART #	DESCRIPTION	6 TON
160158G2	PAN HUMIDIFIER (SHORT)	1

3.1.2.2 Reflector Double



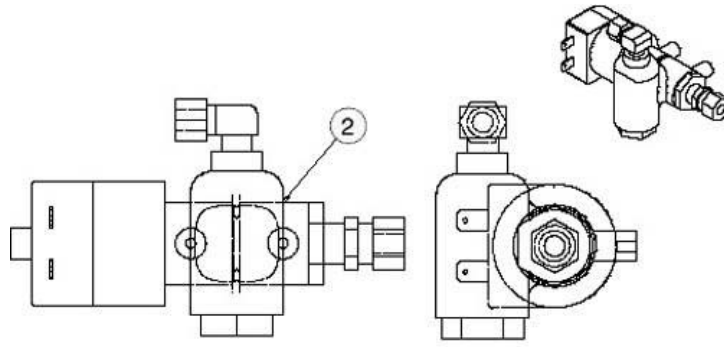
PART #	DESCRIPTION	8/10/15/20/22/30 TON
F-602C	REFLECTOR 575 V DOUBLE	1

3.1.2.3 Stand Pipe



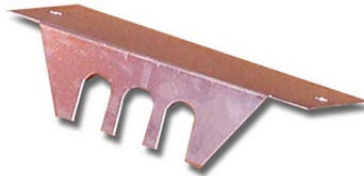
PART #	DESCRIPTION	6 TON
1C18003G2	STANDPIPE ASSY w/ NUT	1

3.1.2.4 Solenoid Valve Assembly



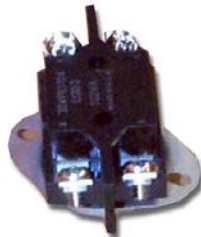
PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P-5590 (2)	VALVE SOL/STRNR/FLO-REG .5 GPM	ALL	1	1	1	1

3.1.2.5 Cover End Block



PART #	DESCRIPTION	6 TON
F-6090	COVER END BLOCK	2

3.1.2.6 Safety Switch



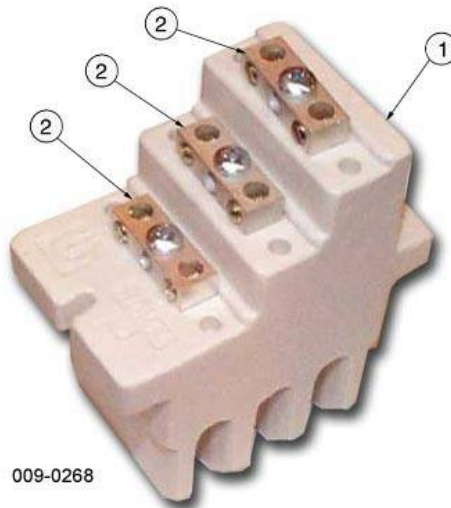
PART #	DESCRIPTION	Volts	6-TON
R13-0090	SAFETY SWT THERM. 120F TRIP	380/415V	3

3.1.2.7 I/R Lamp



PART #	DESCRIPTION	Volts	8/10/15/20/22/30 TON
151187P1	LAMP I/R LINEAR/QTZ 3200W240V	380/415V	3

3.1.2.8 Socket Assembly (009-0268)



009-0268

- 1 Socket Busbar
- 2 Humidifier Busbar

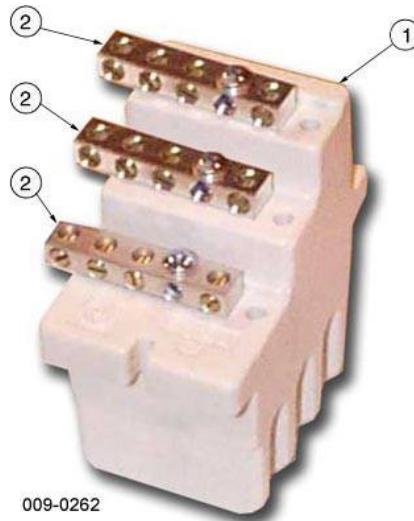


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-0360	BUSBAR HUMIDIFIER HI-VOLT	ALL	3	3	3	3

3.1.2.9 Socket Assembly (009-0262)



009-0262

- 1 Socket Busbar
- 2 Humidifier Busbar

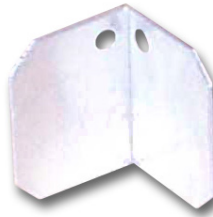


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



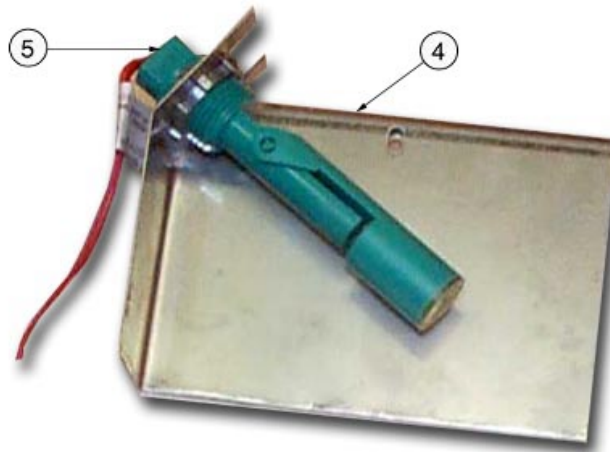
PART #	DESCRIPTION	Volts	BULB			
			2	3	4	6
H-0370 (2)	BUSBAR HUMIDIFIER HI-VOLT	ALL	2	3	2	3

3.1.2.10 Plate



PART #	DESCRIPTION	6 TON
1C18337P1	PLATE SYS3 HUMID	1

3.1.2.11 High Water Assembly



PART #	DESCRIPTION	TONNAGE			
		6-8	10-15	20-22	30
1C19981G2	ALARM HIGH WATER SYS3	1	1	1	1

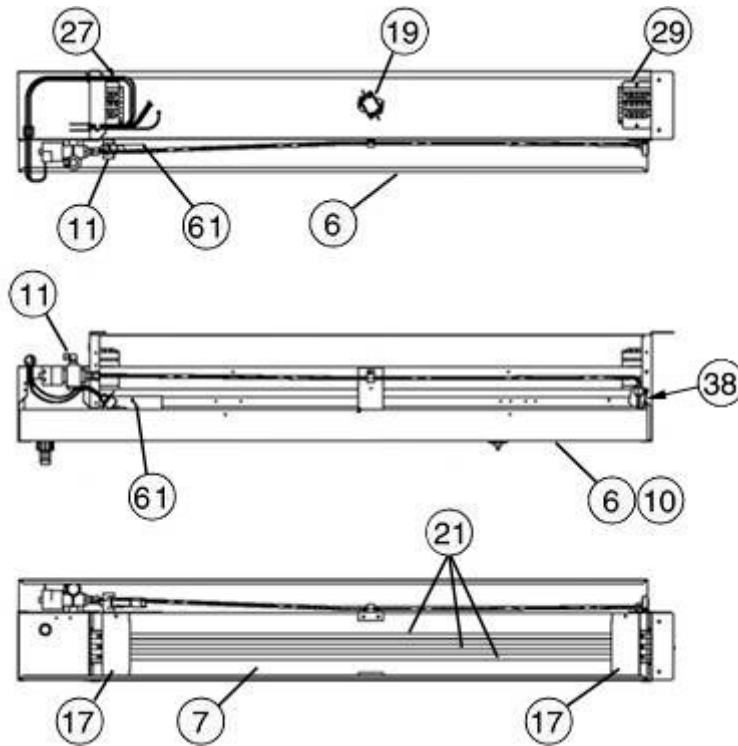


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1C18661P2 (4)	BRKT HUM MTG LIQ LEV SW DX	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1A18660P1 (5)	SW LEVEL LIQUID GEMS LS-7	ALL	1	1	1	1

3.1.3 Humidifier Assembly – 60Hz, 6/8/20/15T, 2-Bulb



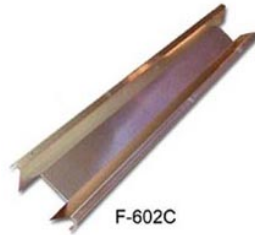
- 6 Pan Humidifier
- 7 Reflector Double
- 10 Stand Pipe
- 11 Solenoid Valve Assembly
- 17 Cover End Block
- 19 Safety Switch
- 21 I/R Lamp
- 27 Socket Assembly
- 29 Socket Assembly
- 38 Plate
- 61 High Water Assembly

3.1.3.1 Pan Humidifier



PART #	DESCRIPTION	6 TON
160158G2	PAN HUMIDIFIER (SHORT)	1

3.1.3.2 Reflector Double



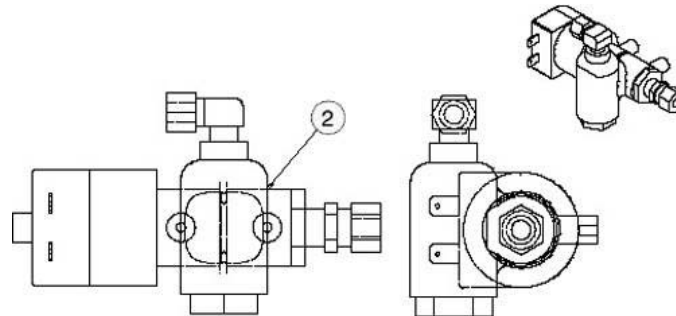
PART #	DESCRIPTION	8/10/15/20/22/30 TON
F-602C	REFLECTOR 575 V DOUBLE	1

3.1.3.3 Stand Pipe



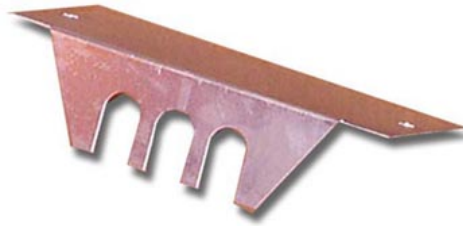
PART #	DESCRIPTION	6 TON
1C18003G2	STANDPIPE ASSY w/ NUT	1

3.1.3.4 Solenoid Valve Assembly



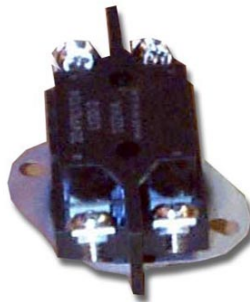
PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P-5590 (2)	VALVE SOL/STRNR/FLO-REG .5 GPM	ALL	1	1	1	1

3.1.3.5 Cover End Block



PART #	DESCRIPTION	6 TON
F-6090	COVER END BLOCK	2

3.1.3.6 Safety Switch



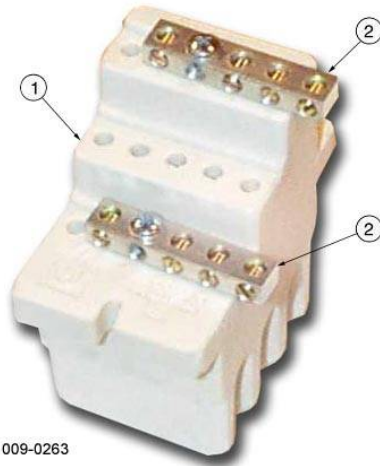
PART #	DESCRIPTION	Volts	6-TON
R13-0090	SAFETY SWT THERM. 120F TRIP	380/415V	3

3.1.3.7 I/R Lamp



PART #	DESCRIPTION	Volts	TONNAGE	
			6-8	10-15
H-0030	LAMP I/R LINEAR/QRTZ 3800W600V	575V	2	2

3.1.3.8 Socket Assembly (009-0263)



009-0263

- 1 Socket Busbar
- 2 Humidifier Busbar

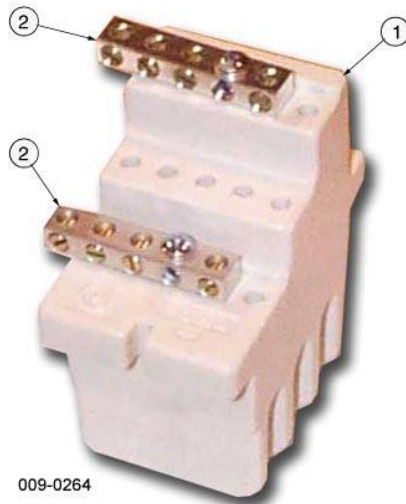


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1

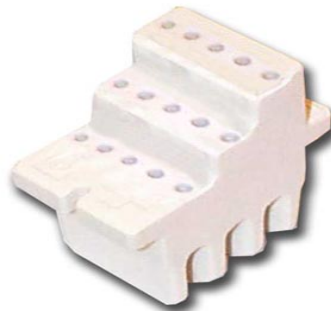


PART #	DESCRIPTION	Volts	BULB			
			2	3	4	6
H-0370 (2)	BUSBAR HUMIDIFIER HI-VOLT	ALL	2	3	2	3

3.1.3.9 Socket Assembly (009-0264)



- 1 Socket Busbar
- 2 Humidifier Busbar

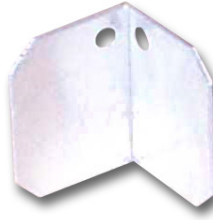


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



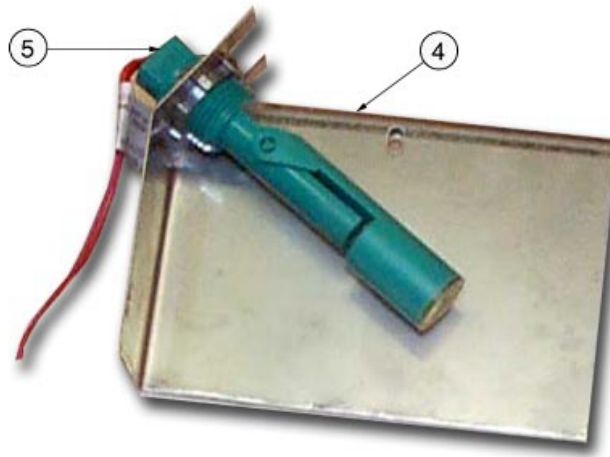
PART #	DESCRIPTION	Volts	BULB			
			2	3	4	6
H-0370 (2)	BUSBAR HUMIDIFIER HI-VOLT	ALL	2	3	2	3

3.1.3.10 Plate



PART #	DESCRIPTION	6 TON
1C18337P1	PLATE SYS3 HUMID	1

3.1.3.11 High Water Assembly



PART #	DESCRIPTION	TONNAGE			
		6-8	10-15	20-22	30
1C19981G2	ALARM HIGH WATER SYS3	1	1	1	1

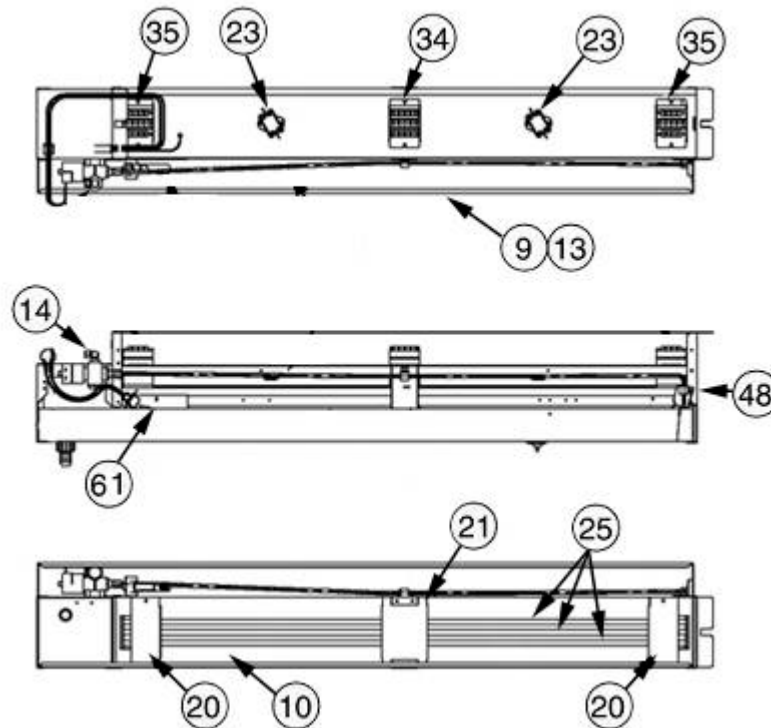


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1C18661P2 (4)	BRKT HUM MTG LIQ LEV SW DX	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1A18660P1 (5)	SW LEVEL LIQUID GEMS LS-7	ALL	1	1	1	1

3.1.4 Humidifier Assembly – 60Hz, 6/8/20/15T, 4-Bulb



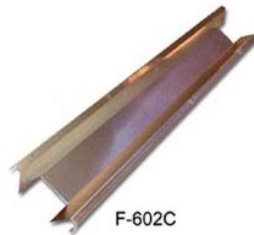
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|----|--------------------|----|---------------------|
| 9 | Pan Humidifier | 23 | Safety Switch |
| 10 | Reflector Double | 25 | I/R Lamp |
| 13 | Stand Pipe | 34 | Socket Assembly |
| 14 | Solenoid Valve | 35 | Socket Assembly |
| 20 | Cover End Block | 48 | Plate |
| 21 | Cover Block Middle | 61 | High Water Assembly |

3.1.4.1 Pan Humidifier



PART #	DESCRIPTION	6 TON
160158G2	PAN HUMIDIFIER (SHORT)	1

3.1.4.2 Reflector Double



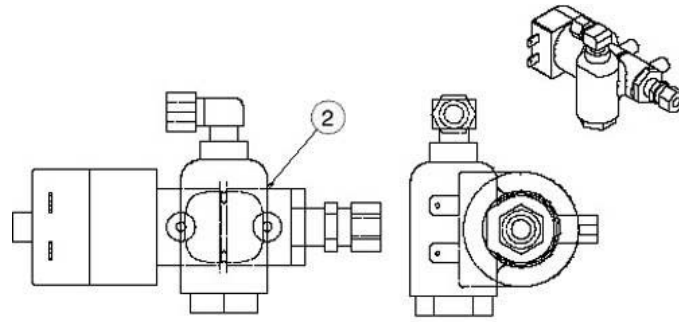
PART #	DESCRIPTION	8/10/15/20/22/30 TON
F-602C	REFLECTOR 575 V DOUBLE	1

3.1.4.3 Stand Pipe



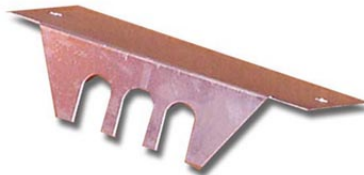
PART #	DESCRIPTION	6 TON
1C18003G2	STANDPIPE ASSY w/ NUT	1

3.1.4.4 Solenoid Valve Assembly



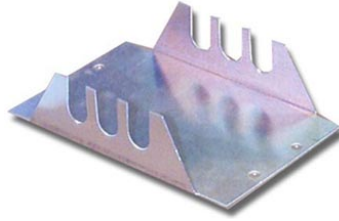
PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P-5590 (2)	VALVE SOL/STRNR/FLO-REG .5 GPM	ALL	1	1	1	1

3.1.4.5 Cover End Block



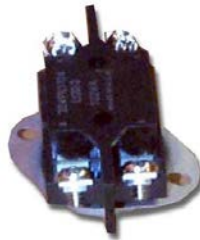
PART #	DESCRIPTION	6 TON
F-6090	COVER END BLOCK	2

3.1.4.6 Cover Block Middle



PART #	DESCRIPTION	Volts	TONNAGE		
			6-8	10-15	20-30
F-601D	COVER BLOCK MIDDLE	208	1	1	1
		230	1	1	1
		460	1	1	

3.1.4.7 Safety Switch



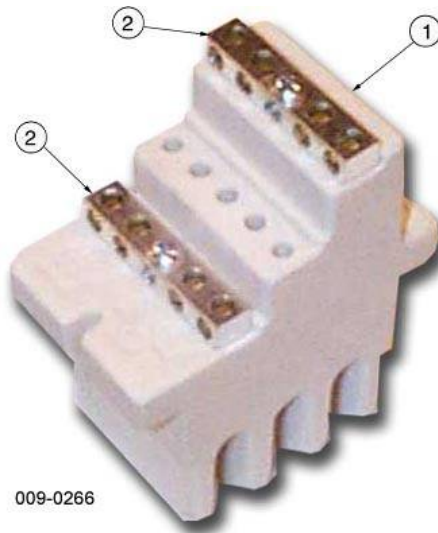
PART #	DESCRIPTION	Volts	6-TON
R13-0090	SAFETY SWT THERM. 120F TRIP	380/415V	3

3.1.4.8 I/R Lamp



PART #	DESCRIPTION	Volts	TONNAGE	
			6-8	10-15
H-002A	LAMP I/R LINEAR/ORTZ 1600W208V	208V	4	4
H-0020	LAMP I/R LINEAR/ORTZ 1600W240V	230/460V	4	4

3.1.4.9 Socket Assembly (009-0266/009-0298)



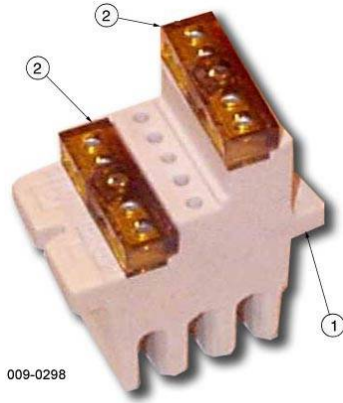
- 1 Socket Busbar
- 2 Humidifier Busbar



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	BULB			
			2	3	4	6
H-0370 (2)	BUSBAR HUMIDIFIER HI-VOLT	ALL	2	3	2	3



- 1 Socket Busbar
- 2 Humidifier Powerblock

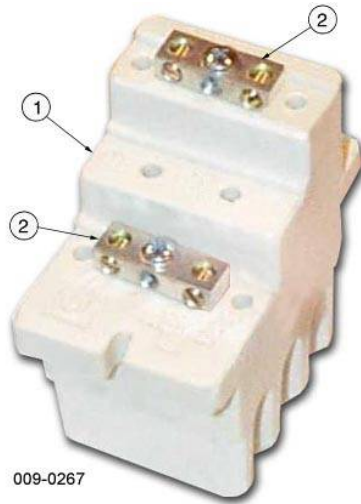


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-0460 (2)	PWRBLK HUMFR 2PL 600V (UL)SPCL	600V	1	1	1	1

3.1.4.10 Socket Assembly (009-0267)



- 1 Socket Busbar
- 2 Humidifier Busbar

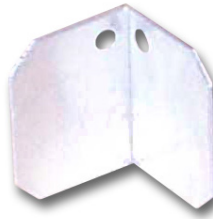


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



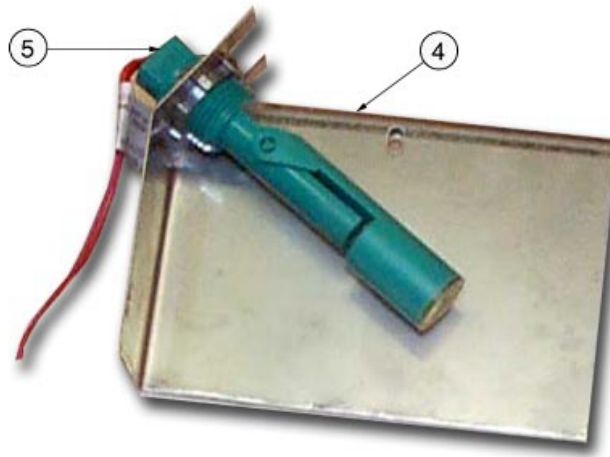
PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-0360 (2)	BUSBAR HUMIDIFIER HI-VOLT	ALL	3	3	3	3

3.1.4.11 Plate



PART #	DESCRIPTION	6 TON
1C18337P1	PLATE SYS3 HUMID	1

3.1.4.12 High Water Assembly



PART #	DESCRIPTION	TONNAGE			
		6-8	10-15	20-22	30
1C19981G2	ALARM HIGH WATER SYS3	1	1	1	1

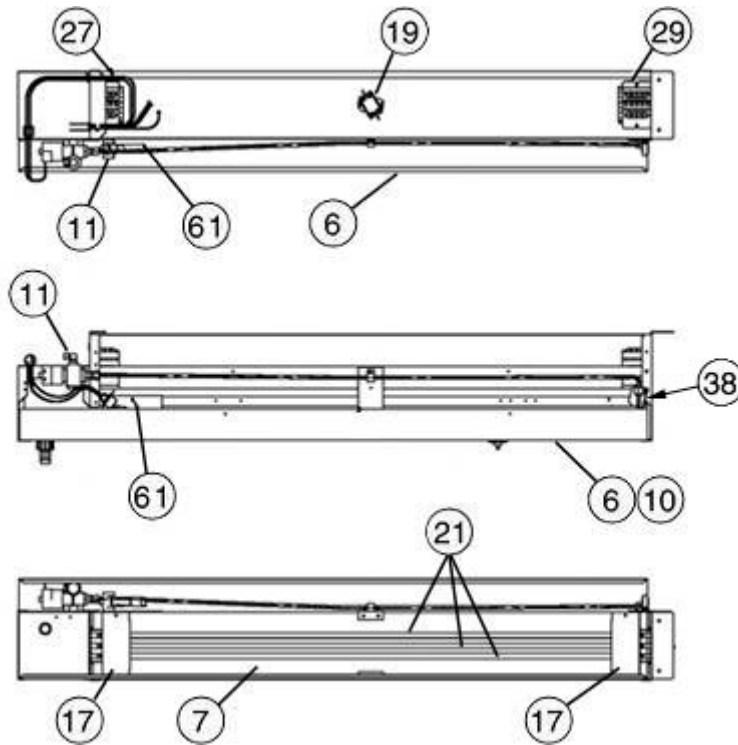


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1C18661P2 (4)	BRKT HUM MTG LIQ LEV SW DX	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1A18660P1 (5)	SW LEVEL LIQUID GEMS LS-7	ALL	1	1	1	1

3.1.5 Humidifier Assembly – 60Hz, 20/22/30T, 3-Bulb



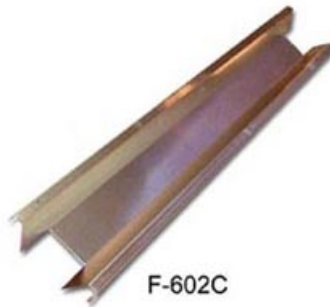
- | | | | |
|----|-------------------------|----|---------------------------|
| 6 | Pan Humidifier | 21 | I/R Lamp |
| 7 | Reflector Double | 27 | Socket Assembly |
| 10 | Stand Pipe | 29 | Socket Assembly |
| 11 | Solenoid Valve Assembly | 38 | Plate |
| 17 | Cover End Block | 61 | High Water Alarm Assembly |
| 19 | Safety Switch | | |

3.1.5.1 Pan Humidifier



PART #	DESCRIPTION	6 TON
160158G2	PAN HUMIDIFIER (SHORT)	1

3.1.5.2 Reflector Double



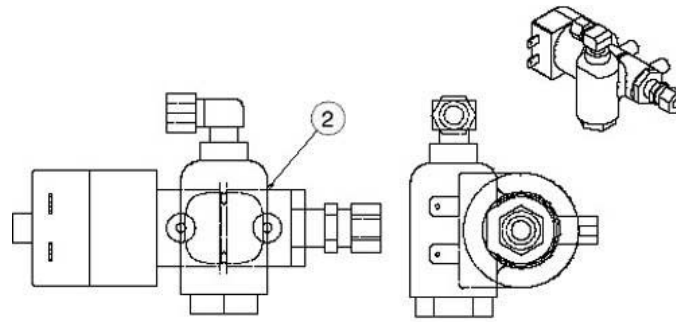
PART #	DESCRIPTION	8/10/15/20/22/30 TON
F-602C	REFLECTOR 575 V DOUBLE	1

3.1.5.3 Stand Pipe



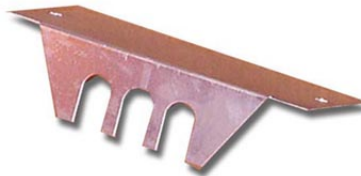
PART #	DESCRIPTION	6 TON
1C18003G2	STANDPIPE ASSY w/ NUT	1

3.1.5.4 Solenoid Valve Assembly



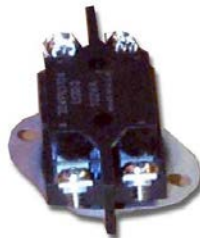
PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P-5590 (2)	VALVE SOL/STRNR/FLO-REG .5 GPM	ALL	1	1	1	1

3.1.5.5 Cover End Block



PART #	DESCRIPTION	6 TON
F-6090	COVER END BLOCK	2

3.1.5.6 Safety Switch



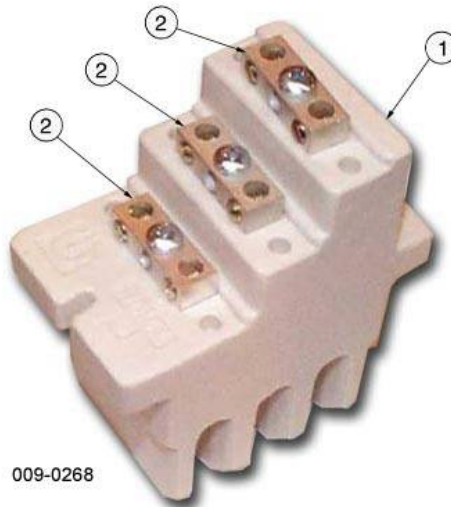
PART #	DESCRIPTION	Volts	6-TON
R13-0090	SAFETY SWT THERM. 120F TRIP	380/415V	3

3.1.5.7 I/R Lamp



PART #	DESCRIPTION	Volts	TONNAGE	
			20-22	30
151187P2	LAMP I/R LINEAR/QRTZ 3200W277V	460V	3	3
H-0030	LAMP I/R LINEAR/QRTZ 3800W600V	575V	3	3

3.1.5.8 Socket Assembly (009-0268)



009-0268

- 1 Socket Busbar
- 2 Humidifier Busbar

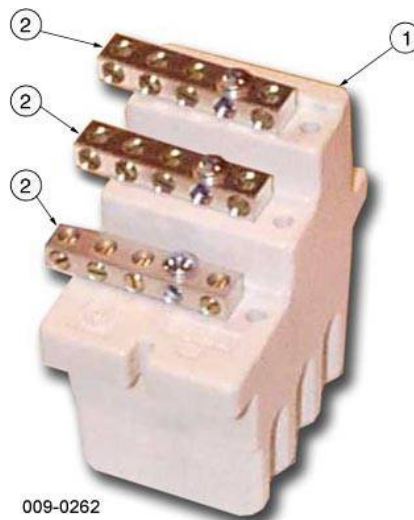


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-0360	BUSBAR HUMIDIFIER HI-VOLT	ALL	3	3	3	3

3.1.5.9 Socket Assembly (009-0262)



009-0262

- 1 Socket Busbar
- 2 Humidifier Busbar



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



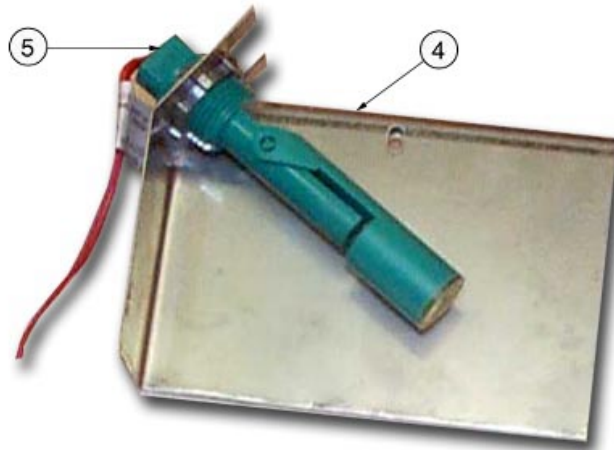
PART #	DESCRIPTION	Volts	BULB			
			2	3	4	6
H-0370 (2)	BUSBAR HUMIDIFIER HI-VOLT	ALL	2	3	2	3

3.1.5.10 Plate



PART #	DESCRIPTION	6 TON
1C18337P1	PLATE SYS3 HUMID	1

3.1.5.11 High Water Assembly



PART #	DESCRIPTION	TONNAGE			
		6-8	10-15	20-22	30
1C19981G2	ALARM HIGH WATER SYS3	1	1	1	1

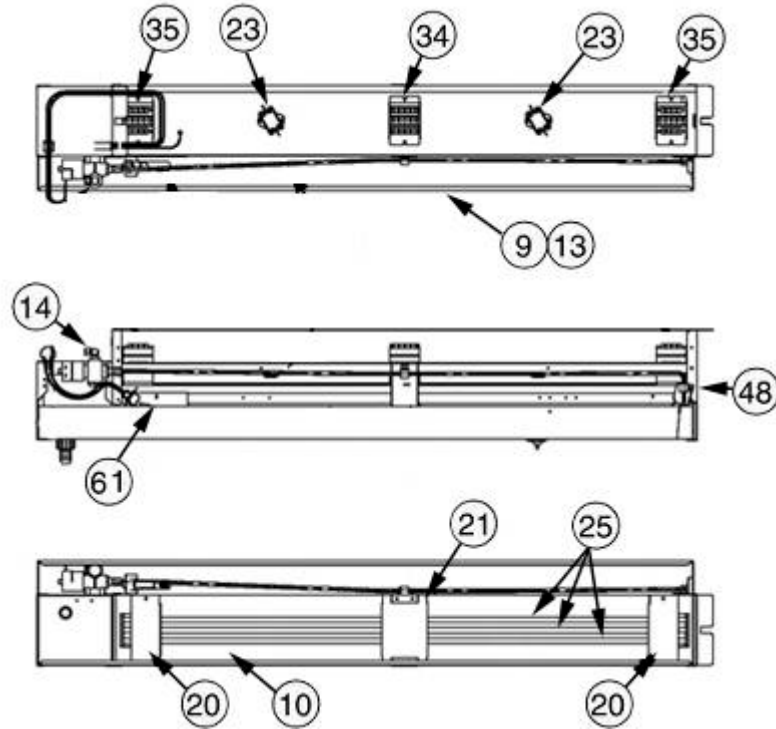


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1C18661P2 (4)	BRKT HUM MTG LIQ LEV SW DX	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1A18660P1 (5)	SW LEVEL LIQUID GEMS LS-7	ALL	1	1	1	1

3.1.6 Humidifier Assembly – 60Hz20/22/30T, 6-Bulb



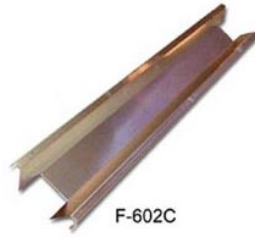
- | | | | |
|----|-------------------------|----|---------------------------|
| 9 | Pan Humidifier | 23 | Safety Switch |
| 10 | Reflector | 25 | I/R Lamp |
| 13 | Stand Pipe Assembly | 34 | Socket Assembly |
| 14 | Solenoid Valve Assembly | 35 | Socket Assembly |
| 20 | Cover End Block | 48 | Plate |
| 21 | Cover Block Middle | 61 | High Water Alarm Assembly |

3.1.6.1 Pan Humidifier



PART #	DESCRIPTION	6 TON
160158G2	PAN HUMIDIFIER (SHORT)	1

3.1.6.2 Reflector Double



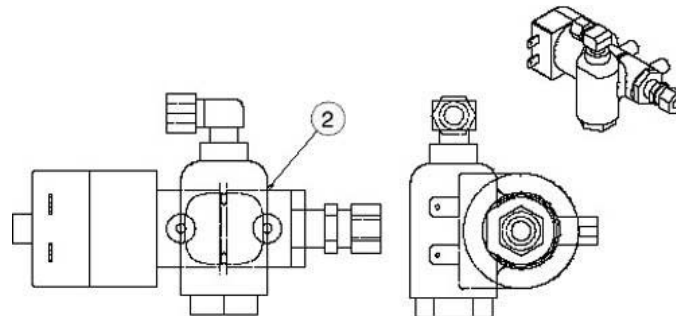
PART #	DESCRIPTION	8/10/15/20/22/30 TON
F-602C	REFLECTOR 575 V DOUBLE	1

3.1.6.3 Stand Pipe



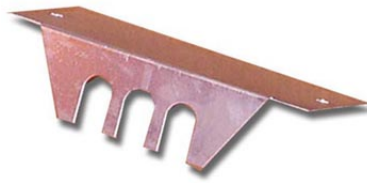
PART #	DESCRIPTION	6 TON
1C18003G2	STANDPIPE ASSY w/ NUT	1

3.1.6.4 Solenoid Valve Assembly



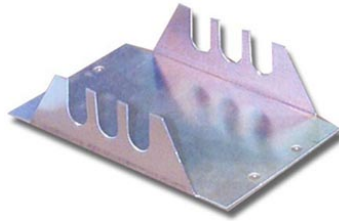
PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P-5590 (2)	VALVE SOL/STRNR/FLO-REG .5 GPM	ALL	1	1	1	1

3.1.6.5 Cover End Block



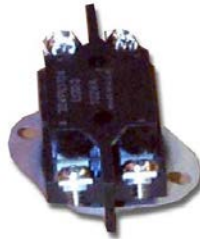
PART #	DESCRIPTION	6 TON
F-6090	COVER END BLOCK	2

3.1.6.6 Cover Block Middle



PART #	DESCRIPTION	Volts	TONNAGE		
			6-8	10-15	20-30
F-601D	COVER BLOCK MIDDLE	208	1	1	1
		230	1	1	1
		460	1	1	

3.1.6.7 Safety Switch



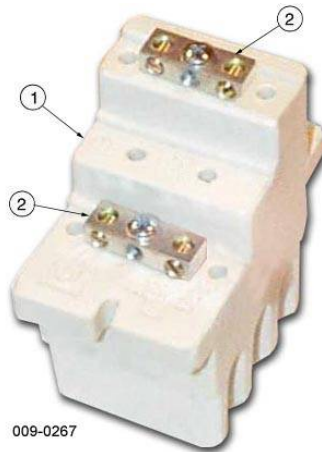
PART #	DESCRIPTION	Volts	6-TON
R13-0090	SAFETY SWT THERM. 120F TRIP	380/415V	3

3.1.6.8 I/R Lamp



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20	30
H-002A	LAMP I/R LINEAR/QRTZ 1600W208V	208V	4	4	6	6
H-0020	LAMP I/R LINEAR/QRTZ 1600W240V	230V	4	4	6	6
		460V	4	4		

3.1.6.9 Socket Assembly (009-0267)



009-0267

- 1 Socket Busbar
- 2 Humidifier Busbar

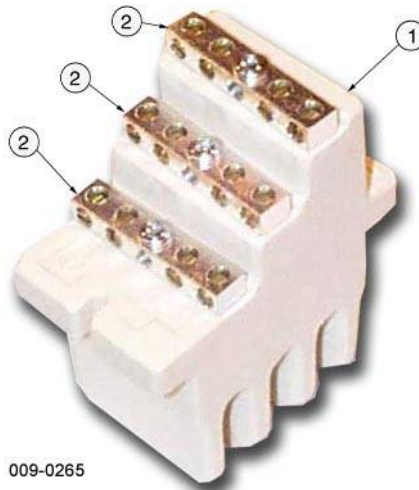


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-0360 (2)	BUSBAR HUMIDIFIER HI-VOLT	ALL	3	3	3	3

3.1.6.10 Socket Assembly (009-0265)



009-0265

- 1 Socket Busbar
- 2 Humidifier Busbar

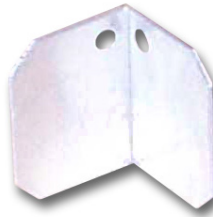


PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-014A (1)	SOCKET BUSBAR PORCELAIN	ALL	1	1	1	1



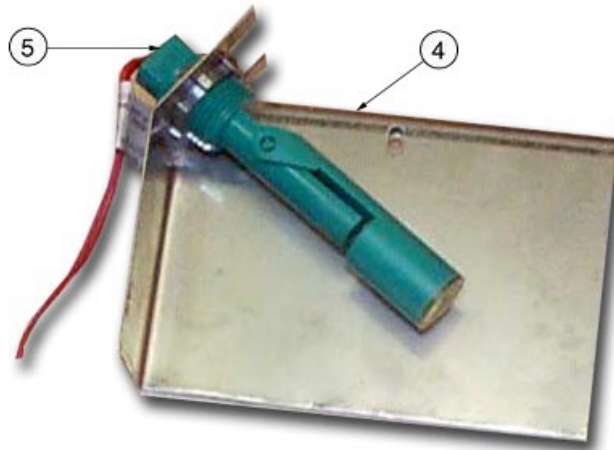
PART #	DESCRIPTION	Volts	BULB			
			2	3	4	6
H-0370 (2)	BUSBAR HUMIDIFIER HI-VOLT	ALL	2	3	2	3

3.1.6.11 Plate



PART #	DESCRIPTION	6 TON
1C18337P1	PLATE SYS3 HUMID	1

3.1.6.12 High Water Assembly



PART #	DESCRIPTION	TONNAGE			
		6-8	10-15	20-22	30
1C19981G2	ALARM HIGH WATER SYS3	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1C18661P2 (4)	BRKT HUM MTG LIQ LEV SW DX	ALL	1	1	1	1



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
1A18660P1 (5)	SW LEVEL LIQUID GEMS LS-7	ALL	1	1	1	1

3.1.7 Swivel Adapter



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P-5400	ADAPTER SWIVL3/4FPTX3/4HOSEBRB	ALL	1	1	1	1

3.1.8 Rubber Drain Trap



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
149376P1	HUMDFR TRAP RUBBER DRAIN DF IR	ALL	1	1	1	
1C19071P1	HUMDFR TRAP RUBBER DRAIN DX D	ALL	1	1	1	1
P15-0150	CLAMP WIRE	ALL	2	2	2	2

Note: 149376P1 Trap is used on units with Condensate Pumps

3.1.9 Nylon Adapter



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1
F02-0660	BRKT DRAIN FITTING MTG	ALL	1	1	1	1

3.1.10 Sensor



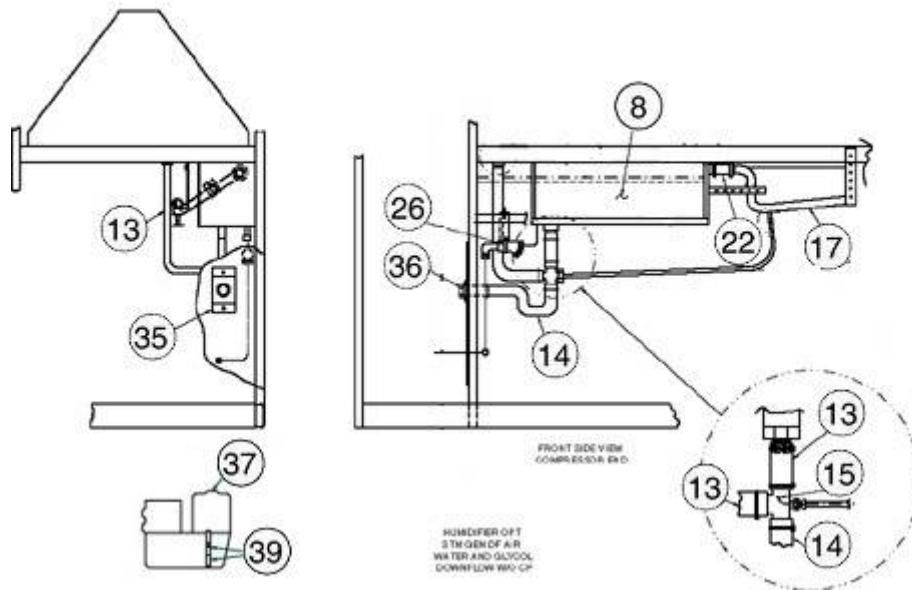
PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-0450	SENSOR SAFETY THOPN-RISE 225F	ALL	1	1	1	1

3.1.11 Hose



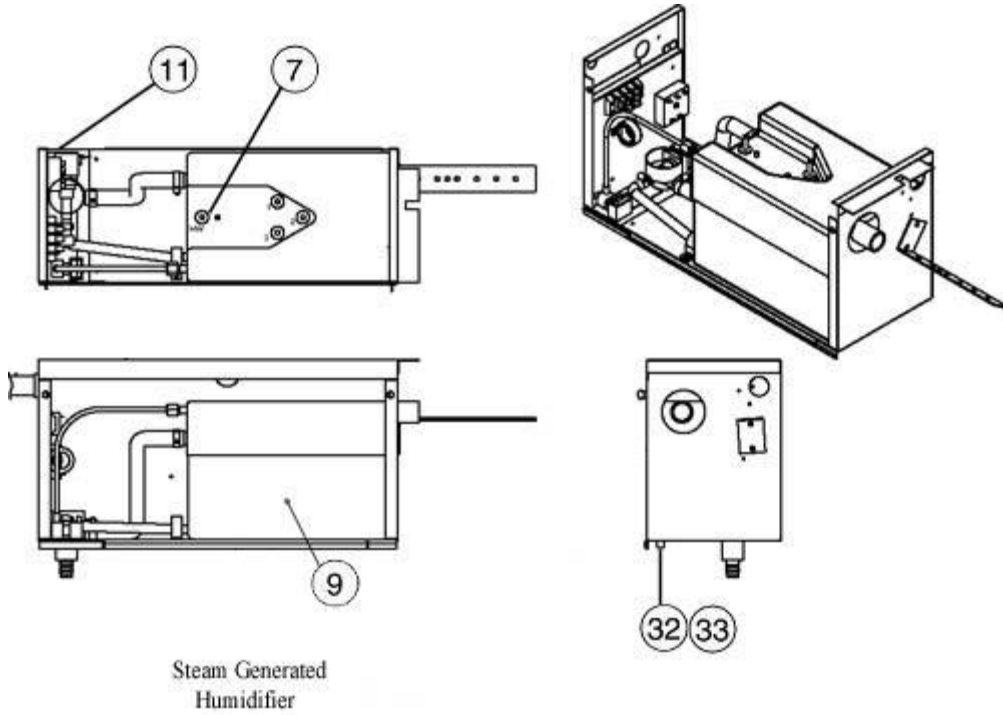
PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P15-0170	HOSE 3/4"ID 150PSI EPDM 350	ALL	4 ft.	4 ft.	4 ft.	4 ft.
P15-0150	CLAMP WIRE	ALL	3	3	3	3
124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1

3.2 Steam Generator



- | | | | |
|----|---------------------|----|-------------------------|
| 8 | Humidifier Assembly | 26 | Strainer |
| 13 | Hose Drain | 35 | Drain Bracket Fitting |
| 14 | Trap Rubber Drain | 36 | Nylon Adapter |
| 15 | FTG Cross | 37 | Pump Condensate |
| 17 | Manifold Steam | 39 | Bracket Condensate Pump |
| 22 | Hose Steam | | |

3.2.1 Humidifier Assembly



- | | | | |
|----|------------------------|----|--------------------|
| 7 | Boot Rubber | 32 | Compression Sleeve |
| 9 | Tank Humidifier | 33 | Nut Compression |
| 11 | Plate Humidifier Valve | | |

3.2.1.1 Boot Rubber



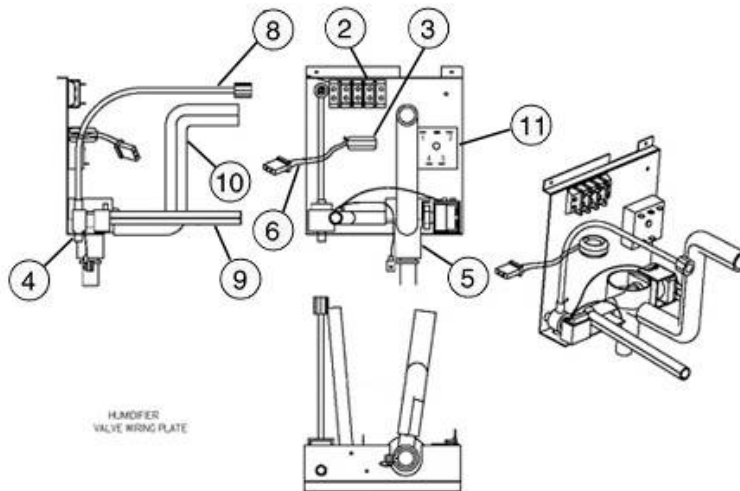
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
128759P1	BOOT RUBBER SG HUM TERM COVER	ALL	4	4	4	4

3.2.1.2 Tank Humidifier



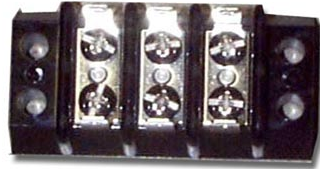
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
153315P1	TANK HUMIDIFIER 200//240 VOLTS	200//240V	1	1	1	1
153315P2	KIT HUMID TANK 380//480 W/HOSE	380//480V	1	1	1	1

3.2.1.3 Plate Humidifier Valve



- | | | | |
|---|---------------------|----|----------------------|
| 2 | Powerblock | 8 | Hose Fill |
| 3 | Transformer | 9 | Hose Drain |
| 4 | Valve Fill | 10 | Hose Overflow |
| 5 | Valve Drain | 11 | Full Cycle Interface |
| 6 | Valve Plate Harness | | |

3.2.1.3.1 Powerblock



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
128750P1	PWRBLK 3P W/TABS SG HUM	ALL	1	1	1	1

3.2.1.3.2 Transformer



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
128752P1	XFMR TORR010 W/MNL SG HUM	ALL	1	1	1	1

3.2.1.3.3 Valve Fill



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
128753P1	VALVE FILL SG HUM W/FTG &	ALL	1	1	1	1

3.2.1.3.4 Valve Drain

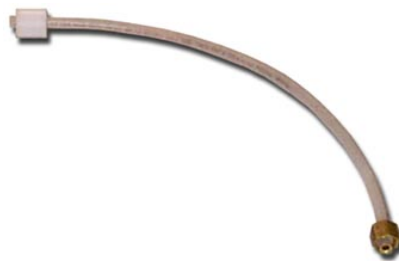


PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
128754P1	VALVE DRAIN SG HUM W/FTG	ALL	1	1	1	1

3.2.1.3.5 Valve Plate Harness

PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
128758P1	PLATE VALVE HARNESSSG HUM	ALL	1	1	1	1

3.2.1.3.6 Hose Fill



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
151802P1	HOSE FILL SGH	ALL	1	1	1	1

3.2.1.3.7 Hose Drain



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
153044P1	HOSE DRAIN SGH	ALL	1	1	1	1

3.2.1.3.8 Hose Overflow



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
153043P1	HOSE OVERFLOW SGH	ALL	1	1	1	1

3.2.1.3.9 Full Cycle Interface



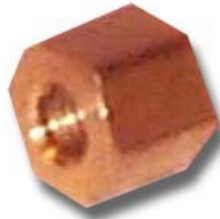
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136956P1	CYL FULL INTFC SGH C3000	ALL	1	1	1	1

3.2.1.4 Compression Sleeve



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
P-057A	SLEEVE COMPRESSION BRASS 1/4"	ALL	1	1	1	1

3.2.1.5 Nut Compression



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
P-057B	NUT COMPRESSION BRASS 1/4"	ALL	1	1	1	1

3.2.2 Hose Drain



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P15-0170	HOSE 3/4"ID 150PSI EPDM 350	ALL	4 ft.	4 ft.	4 ft.	4 ft.
P15-0150	CLAMP WIRE	ALL	3	3	3	3
124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1

3.2.3 Trap Rubber Drain



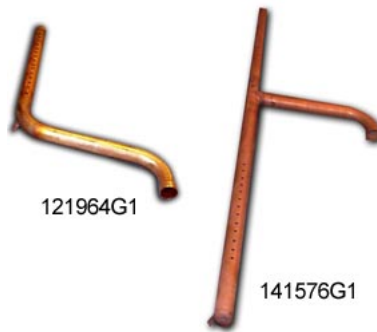
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
1C19071P1	HUMDFR TRAP RUBBER DRAIN DX D	ALL	1	1	1	1
P15-0150	CLAMP WIRE	ALL	2	2	2	2

3.2.4 FTG Cross



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
121965P2	FTG CROSS 3/8HOSE X 3/8TUB	ALL	1	1	1	1

3.2.5 Manifold Steam



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
121964G1	HUMIDIFIER MANIFOLD STEAM S3 D	ALL	1	1	1	1
141576G1	MANIFOLD SGH-HW/STM/HG/RHT	ALL	1	1	1	
S13-0140	CLAMP INSUL MTL HVY DTY 1-1/8" DIA	ALL	1	1	1	1
130916P2	CLAMP NON-INSULATED 1-1/8" DIA	ALL	1	1	1	1

3.2.6 Hose Steam



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
1A21071P1	HOSE STEAM 1.25ID 10PSI	ALL	1ft.	1ft.	1ft.	1ft.
P02-0020	CLAMP HOSE WORM DRIVE .75-1.75	ALL	2	2	2	2

3.2.7 Strainer



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
H-0390	STRAINER"Y" BRASS 1/4FPT	ALL	1	1	1	1

3.2.8 Drain Bracket Fitting



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
F02-0660	BRKT DRAIN FITTING MTG	ALL	1	1	1	1

3.2.9 Nylon Adapter



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1
F02-0660	BRKT DRAIN FITTING MTG	ALL	1	1	1	1

3.2.10 Pump Condensate



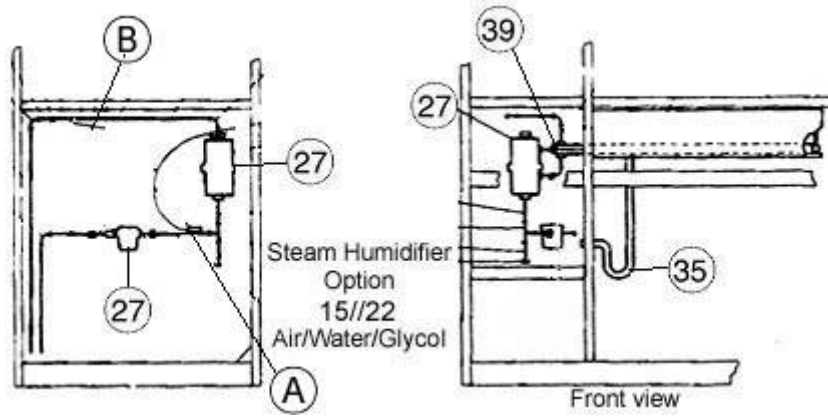
PART #	DESCRIPTION	Volts	TONNAGE	
			6-8	10-15
X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575	1	1
1A19271P1	PUMP CONDENSATE 208/230/1/60DF		1	1
1C19034P1	PUMP CONDENSATE 460 W/WIRE	460	1	1
1A19271P2	PUMP CONDENSATE 460/1/60DF		1	1

3.2.11 Bracket Condensate Pump



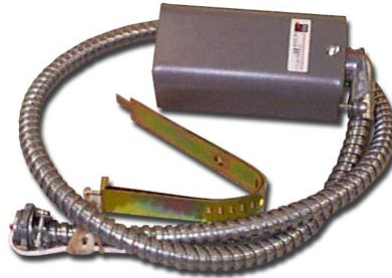
PART #	DESCRIPTION	TONNAGE			
		6-8	10-15	20-22	30
F20-2300	BRKT COND PUMP ADJ-PART B	4	4	4	4

3.3 Grid Steam



- A Electrical Temp Switch
- B Bushing Pulley
- 27 Humidifier Steam
- 35 No Humidifier Drain
- 39 Manifold Steam

3.3.1 Electrical Temp Switch



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E02-0180	ELECTRICAL TEMPERATURE SWITCH	ALL	1	1	1	1

3.3.2 Bushing Pulley



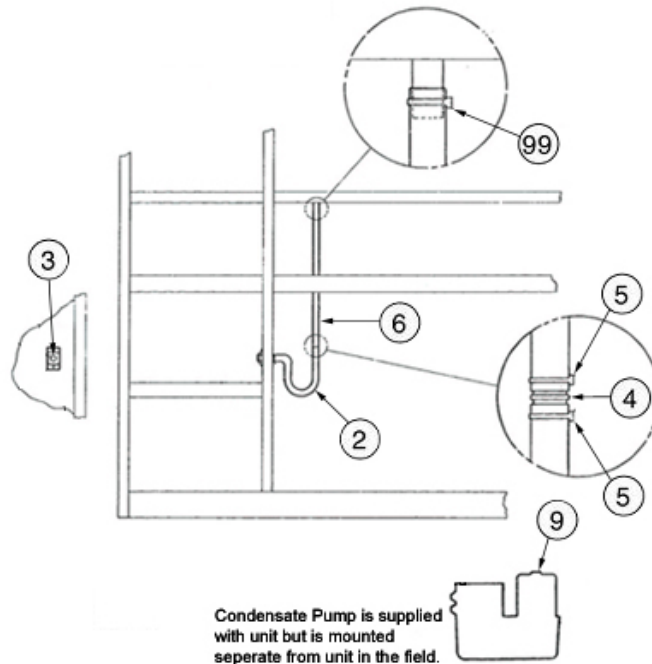
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
R-0520	STRAINER"Y" 1/2" CI	ALL	1	1	1	1

3.3.3 Humidifier Steam



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
1C21353P1	HUMDFR STM W/O MAN 5/32ORF 24V	24V	1	1	1	1

3.3.4 No Humidifier Drain



- 2 Rubber Drain
- 3 Nylon Adapter
- 4 Union Nylon
- 5 Clamp Wire
- 6 Hose
- 9 Pump Condensate
- 99 Clamp Hose

3.3.4.1 Rubber Drain



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
P-5500	DRAIN RUBBER HUM TRAP DX/CW	ALL	1	1	1	1

3.3.4.2 Nylon Adapter



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P02-0260	ADAPTER NYLON 3/4FPTX3/4HOSE	ALL	1	1	1	1
F02-0660	BRKT DRAIN FITTING MTG	ALL	1	1	1	1

3.3.4.3 Union Nylon



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
P15-0140	UNION NYLON 3/4BARBX3/4BARB	ALL	1	1	1	1

3.3.4.4 Clamp Wire



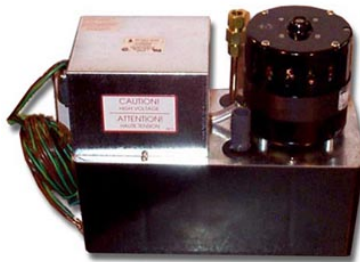
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
P15-0150	CLAMP WIRE	ALL	3	3	3	3

3.3.4.5 Hose



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P15-0170	HOSE 3/4"ID 150PSI EPDM 350	ALL	4 ft.	4 ft.	4 ft.	4 ft.
P15-0150	CLAMP WIRE	ALL	3	3	3	3
124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1

3.3.4.6 Pump Condensate



PART #	DESCRIPTION	Volts	TONNAGE	
			6-8	10-15
X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575	1	1
1A19271P1	PUMP CONDENSATE 208/230/1/60DF		1	1
1C19034P1	PUMP CONDENSATE 460 W/WIRE	460	1	1
1A19271P2	PUMP CONDENSATE 460/1/60DF		1	1

3.3.4.7 Clamp Wire



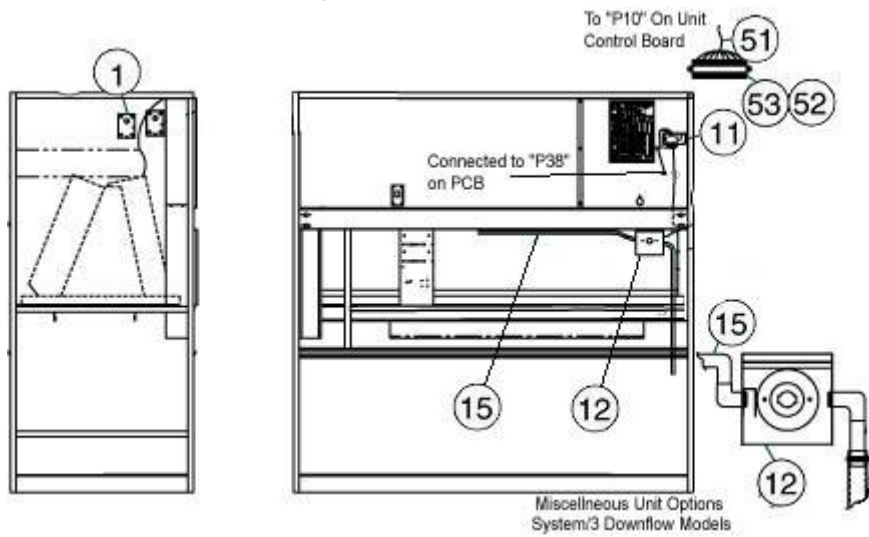
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
124216P2	CLAMP HOSE WORM DRIVE .31 x 1.25	ALL	1	1	1	1

3.3.5 Manifold Steam



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
1C21355P1	HUMDFR MANIFOLD STEAM 48	ALL	1	1	1	1

3.4 Exterior Humidifier Relay



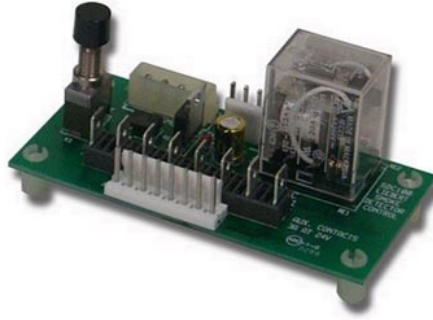
- | | | | |
|----|-------------------------------|----|----------------------------|
| 1 | Relay | 51 | WH LV Analog Input |
| 11 | PWA Smoke Detector | 52 | Terminal Block |
| 12 | Smoke Detector Enclosure Assy | 53 | Terminal Block End Barrier |
| 15 | Tube Form | | |

3.4.1 Relay



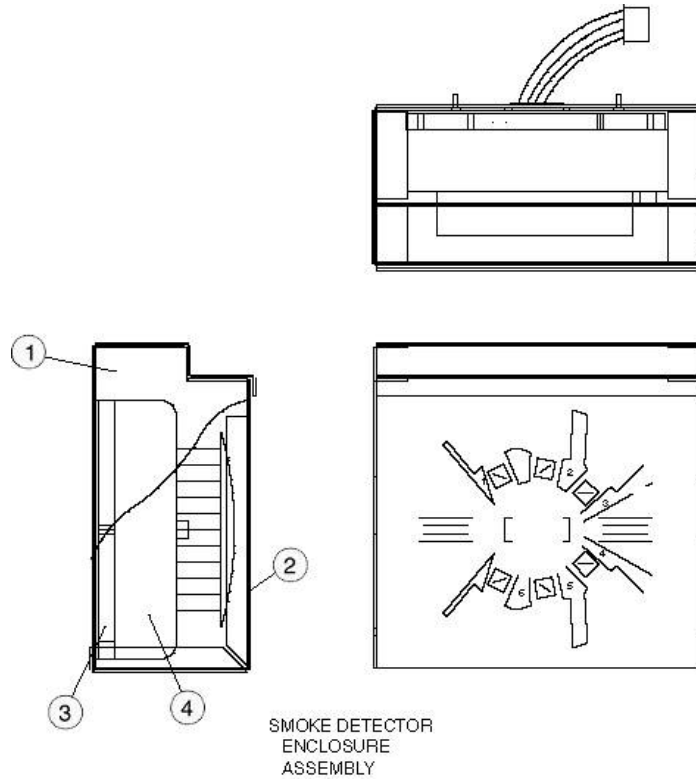
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E03-0170	RELAY 1P2T 24V 50/60HZ	24V 50/60Hz	1	1	1	1

3.4.2 PWA Smoke Detector



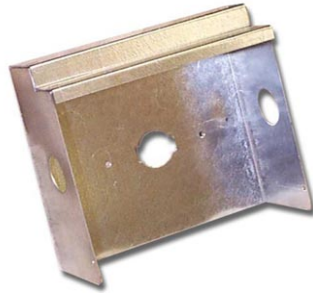
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
124502P1	PWA SMOKE DET CNTL 24VDC	24V	1	1	1	1

3.4.3 Smoke Detector Enclosure Assembly



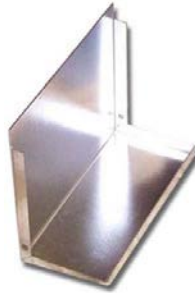
- | | | | |
|---|----------------------|---|----------------------|
| 1 | Smoke Detector Box | 3 | Smoke Detector Base |
| 2 | Cover Smoke Detector | 4 | Photoelectric Sensor |

3.4.3.1 Smoke Detector Box



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
149100P1	BOX SMOKE DETECTOR 731U	ALL	1	1	1	1

3.4.3.2 Cover Smoke Detector



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
149101P1	COVER SMOKE DETECTOR 731U	ALL	1	1	1	1

3.4.3.3 Smoke Detector Base



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
149102P1	BASE SMOKE DETECTOR 702E	ALL	1	1	1	1

3.4.3.4 Photoelectric Sensor



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
149103P1	SMOKE DETECTOR PHOTOELECTRIC SENSOR	ALL	1	1	1	1

3.4.4 Tube Form



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
129323P1	TUBE FORM SAMPLING SMOKE DET	ALL	1	1	1	1

3.4.5 WH LV Analog Input



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
140615G1	WH LV S3 ANALOG INP P10 AM/AG	ALL	1	1	1	1

3.4.6 Terminal Block



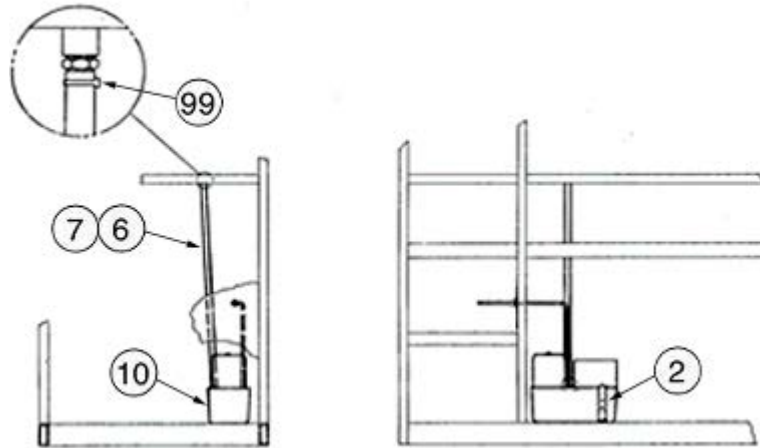
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
132487P1	TERMBLK SECTION 1POS	ALL	4	2	8	2

3.4.7 Terminal Block End Barrier



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
132487P2	TERMBLK SECTION END BARRIER	ALL	1	1	1	1

3.5 Condensate Pump



- 2 Condensate Pump Bracket
- 6 Hose
- 7 Hose Drain
- 10 Pump Condensate
- 99 Clamp Hose

3.5.1 Condensate Pump Bracket



PART #	DESCRIPTION	TONNAGE			
		6-8	10-15	20-22	30
F20-2300	BRKT COND PUMP ADJ-PART B	4	4	4	4

3.5.2 Hose



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
P15-0170	HOSE 3/4"ID 150PSI EPDM 350	ALL	4 ft.	4 ft.	4 ft.	4 ft.
P15-0150	CLAMP WIRE	ALL	3	3	3	3
124216P2	CLAMP HOSE WORM DRIVE .31x1.25	ALL	1	1	1	1

3.5.3 Hose Drain



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
149376P1	HOSE DRAIN .75 ID TRAP	ALL	1	1	1	1

3.5.4 Pump Condensate



PART #	DESCRIPTION	Volts	TONNAGE	
			6-8	10-15
X-015A	PUMP CONDENSATE W/O AUX W/WIRE	208/230/575	1	1
1A19271P1	PUMP CONDENSATE 208/230/1/60DF		1	1
1C19034P1	PUMP CONDENSATE 460 W/WIRE	460	1	1
1A19271P2	PUMP CONDENSATE 460/1/60DF		1	1

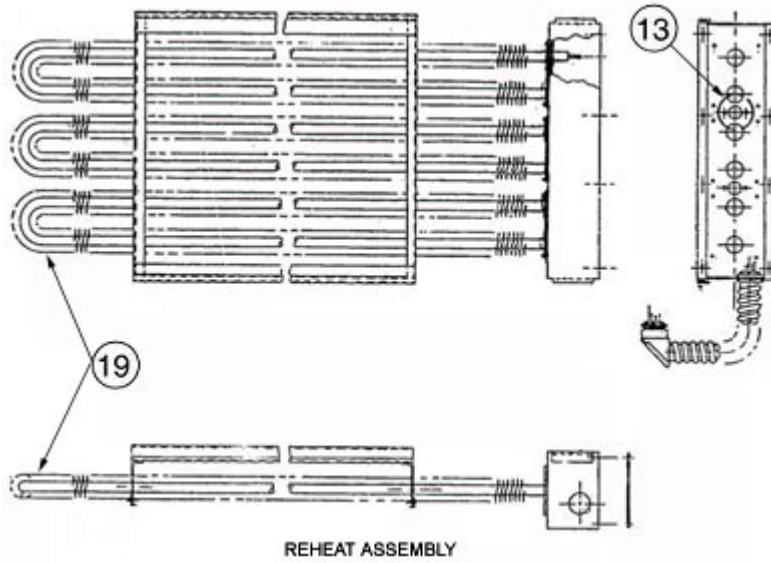
3.5.5 Clamp Hose



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
124216P2	CLAMP HOSE WORM DRIVE .31 x 1.25	ALL	1	1	1	1

4.0 Reheat Section

4.1 Reheat Assembly



- 13 Safety Switch
- 19 Heater

4.1.1 Safety Switch



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
R-0970	SAFETY SWT THERM. 115F	ALL	2	2	2	2

4.1.2 Heater



6Ton

PART NUMBER	DESCRIPTION	VOLTAGE	QTY
148367P1	HEATER 03.3KW 208V SS 304 S/F	208V	3
148367P2	HEATER 03.3KW 230V SS 304 S/F	230V	3
148367P3	HEATER 03.3KW 400V SS 304 S/F	400V	3
148367P4	HEATER 03.3KW 460V SS 304 S/F	460V	3
148367P5	HEATER 03.3KW 575V SS 304 S/F	575V	3

8-10Ton

PART NUMBER	DESCRIPTION	VOLTAGE	QTY
148367P6	HEATER 05.0KW 208V SS 304 S/F	208V	3
148367P7	HEATER 05.0KW 230V SS 304 S/F	230V	3
148367P8	HEATER 05.0KW 400V SS 304 S/F	400V	3
148367P9	HEATER 05.0KW 460V SS 304 S/F	460V	3
148367P10	HEATER 05.0KW 575V SS 304 S/F	575V	3
1D22307P10	HEATER 05.0KW 575V SS		3

15Ton

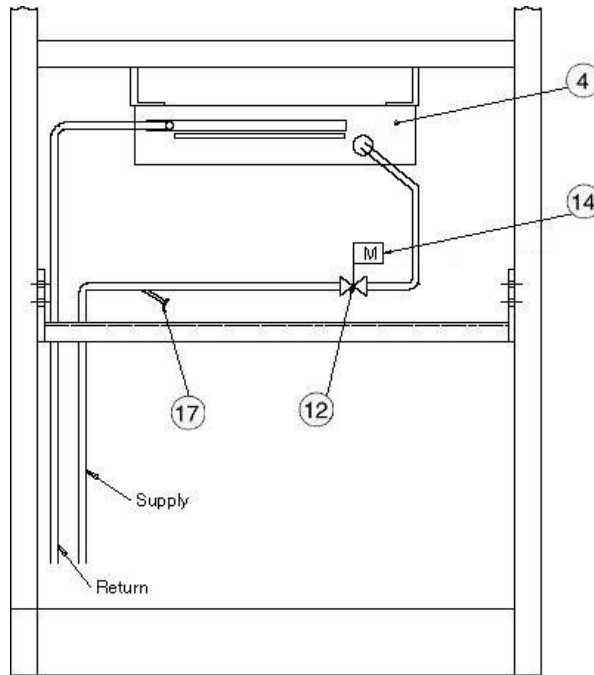
PART NUMBER	DESCRIPTION	VOLTAGE	QTY
148367P16	HEATER 08.3KW 208V SS 304 S/F	208V	3
148367P17	HEATER 08.3KW 230V SS 304 S/F	230V	3
148367P18	HEATER 08.3KW 400V SS 304 S/F	400V	3
148367P19	HEATER 08.3KW 460V SS 304 S/F	460V	3
148367P20	HEATER 08.3KW 575V SS 304 S/F	575V	3

20-30Ton

PART NUMBER	DESCRIPTION	VOLTAGE	QTY
148367P21	HEATER 09.5KW 208V SS 304 S/F	208V	3
148367P22	HEATER 10.0KW 230V SS 304 S/F	230V	3
148367P23	HEATER 10.0KW 400V SS 304 S/F	400V	3
148367P24	HEATER 10.0KW 460V SS 304 S/F	460V	3
148367P25	HEATER 10.0KW 575V SS 304 S/F	575V	3

4.2 Hot Water Reheat

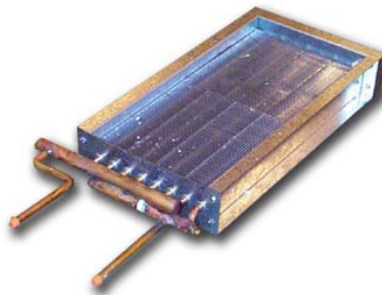
4.2.1 Two-way Hot Water Reheat



Reheat Assy
Hot Water 2-Way Valve

- | | | | |
|----|-------|----|----------------|
| 4 | Coil | 14 | Motor Assembly |
| 12 | Valve | 17 | Strainer |

4.2.1.1 Coil



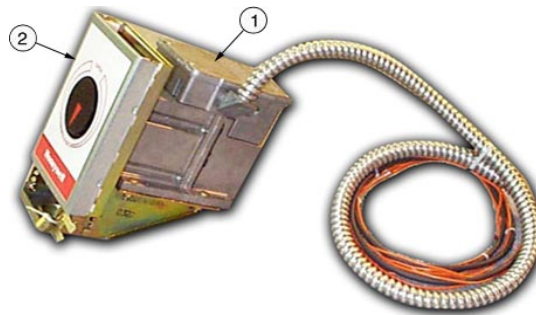
PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
R-014A	COIL HOTWTR/STM 1ROW 6TON	ALL	1	
R-016A	COIL HOTWTR/STM 1ROW 15//22TON	ALL		1

4.2.1.2 Valve



PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
148633P1	VALVE CW/HW 2W 1/2"NPT 150#	ALL	1	
148633P2	VALVE CWSNGL 3/4" 150#/122"#	ALL		1

4.2.1.3 Motor Assembly



- 1 Motor
- 2 Motor Locking



PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
M-402A (1)	MOTOR MOD SPRING RTN 060LB	ALL	1	1



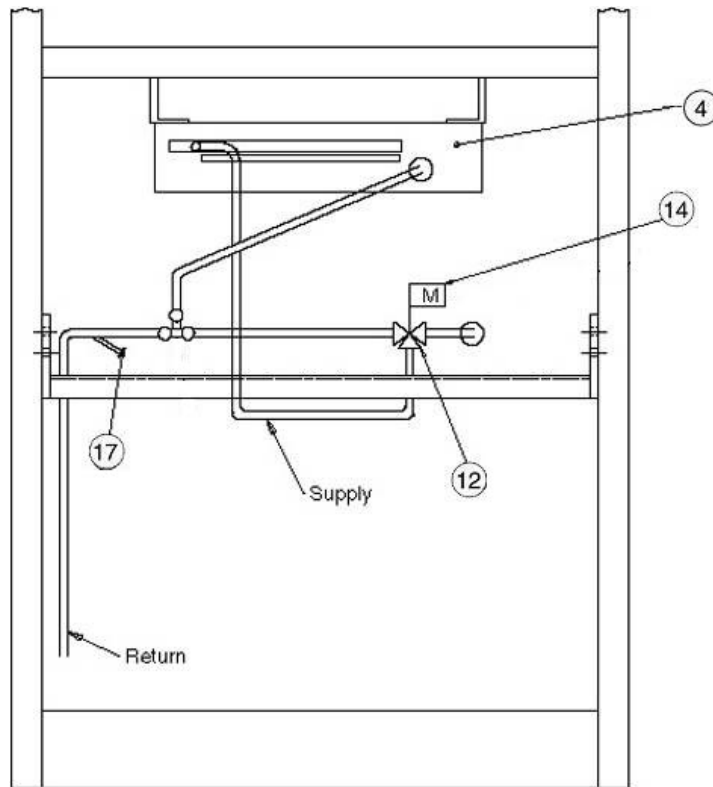
PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
M-4050	MOD MTR LNKG CAM OPERATED 80LB	ALL	1	1

4.2.1.4 Strainer



PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
R-0520	STRAINER"Y" 1/2" CI	ALL	1	
R-0200	STRAINER -Y- 3/4" CI	ALL		1

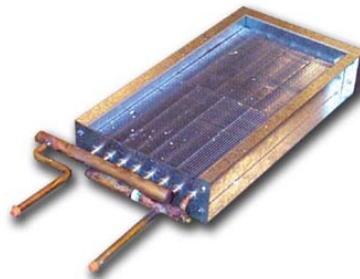
4.2.2 Three-way Hot Water Reheat



Reheat Assy
Hot Water 3-Way Valve

- | | | | |
|----|-------|----|----------------|
| 4 | Coil | 14 | Motor Assembly |
| 12 | Valve | 17 | Strainer |

4.2.2.1 Coil



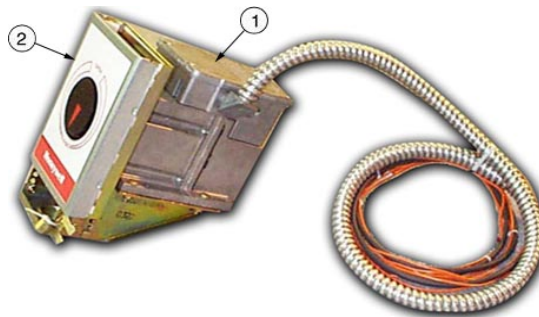
PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
R-014A	COIL HOTWTR/STM 1ROW 6TON	ALL	1	
R-016A	COIL HOTWTR/STM 1ROW 15//22TON	ALL		1

4.2.2.2 Valve



PART #	DESCRIPTION	TONNAGE	
		6-8-10	15-20-22
148634P1	VALVE CW3WAY 1/2" 150#/150"#	1	
P-031A	VALVE CW-3WAY 3/4" 150#		1

4.2.2.3 Motor Assembly



PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
M-402A (1)	MOTOR MOD SPRING RTN 060LB	ALL	1	1



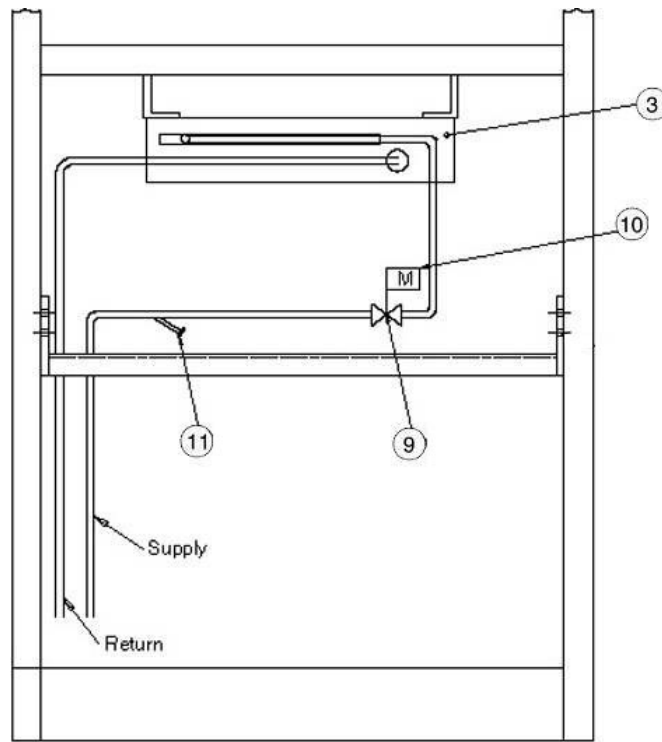
PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
M-4050	MOD MTR LNKG CAM OPERATED 80LB	ALL	1	1

4.2.2.4 Strainer



PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
R-0520	STRAINER"Y" 1/2" CI	ALL	1	
R-0200	STRAINER -Y- 3/4" CI	ALL		1

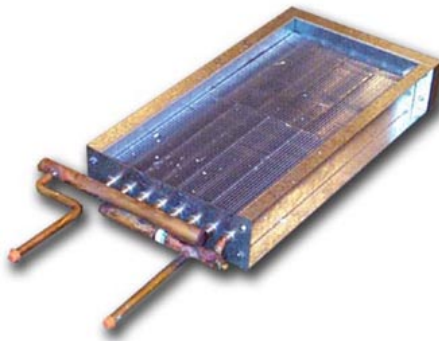
4.3 Steam Reheat



Steam Reheat Assy

- | | | | |
|---|-------|----|----------------|
| 3 | Coil | 10 | Motor Assembly |
| 9 | Valve | 11 | Strainer |

4.3.1 Coil



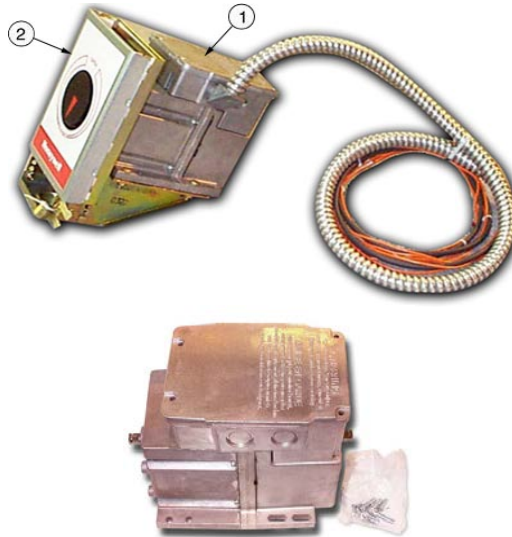
PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
R-014A	COIL HOTWTR/STM 1ROW 6TON	ALL	1	
R-016A	COIL HOTWTR/STM 1ROW 15//22TON	ALL		1

4.3.2 Valve



PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
148633P1	VALVE CW/HW 2W 1/2"NPT 150#	ALL	1	
148633P2	VALVE CWSNGL 3/4" 150#/122"#	ALL		1

4.3.3 Motor Assembly



PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
M-402A (1)	MOTOR MOD SPRING RTN 060LB	ALL	1	1



PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
M-4050	MOD MTR LNKG CAM OPERATED 80LB	ALL	1	1

4.3.4 Strainer



PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22
R-0520	STRAINER"Y" 1/2" CI	ALL	1	
R-0200	STRAINER -Y- 3/4" CI	ALL		1

4.3.5 Steam Trap



PART #	DESCRIPTION	TONNAGE	
		6-8-10	15-20-22
P02-0240	TRAP STEAM F&T 3/4"	1	1

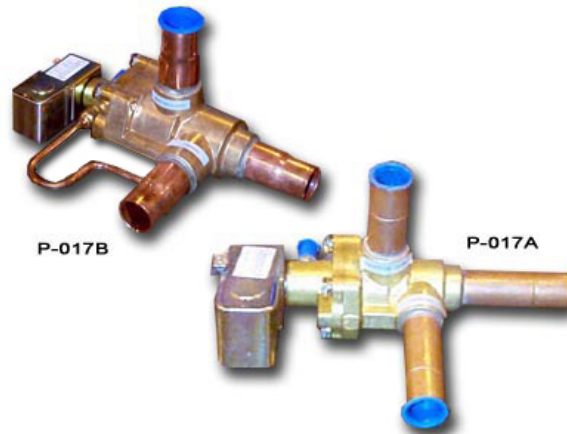
4.4 Hot Gas Reheat

4.4.1 Coil Hot Gas Reheat



PART #	DESCRIPTION	TONNAGE	
		6-8-10	15-20-22
X-0230	COIL HGRH 32-1/2X20-1/4X2-1/2"	1	
X-0240	COIL HGRH 48-1/2X20-1/4X2-1/2"		1

4.4.2 Valve Solenoid 3-Way



PART #	DESCRIPTION	TONNAGE		
		6-8-10	15	20
P-017A	VALVE SOLND 3WAY HTRECLM 1-1/8			1
P-017B	VALVE SOLND 3WAY HTRECLM 7/8	1	1	

4.4.3 Check Valve

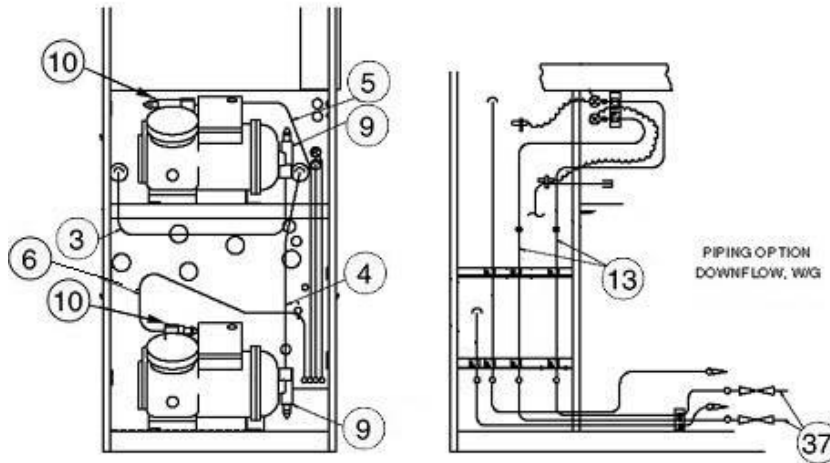


PART #	DESCRIPTION	TONNAGE		
		6-8-10	15	20
P-411A	VALVE CHECK BRASS IN-LINE	1	1	1
P-411B	VALVE CHECK BRASS IN-LINE	1		

NOTE: P-411B is used on 6/8/10 Ton units with Copeland compressors.

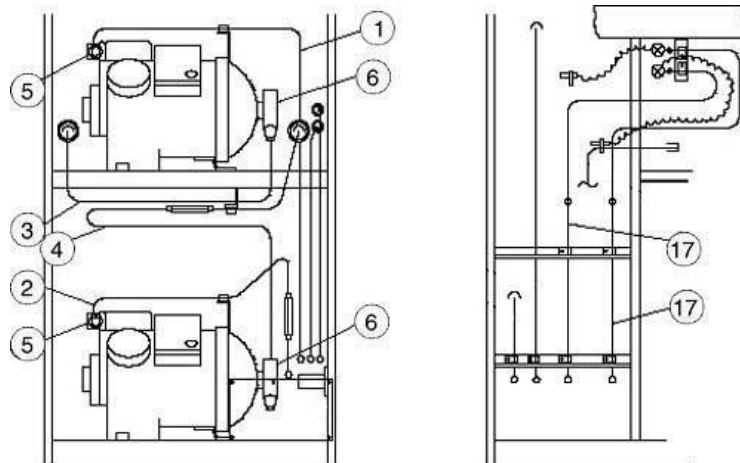
5.0 Piping Section

5.1 Water Glycol/Air Cooled



Water Glycol

- | | | | |
|---|----------------------------|----|----------------------------|
| 3 | Suction Line Assembly #1 | 9 | Gasket Valve |
| 4 | Suction Line Assembly #2 | 10 | Gasket Valve |
| 5 | Discharge Line Assembly #1 | 13 | Catch Piping Assembly |
| 6 | Discharge Line Assembly #2 | 37 | Valve Ball Liquid Assembly |

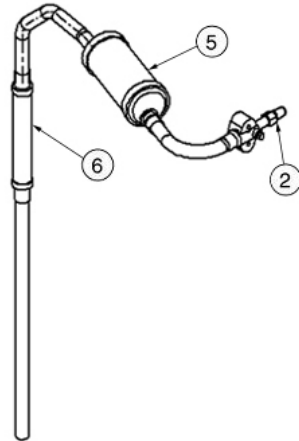


Air

- | | | | |
|---|----------------------------|----|-----------------------|
| 1 | Discharge Line Assembly #1 | 5 | Gasket Valve |
| 2 | Discharge Line Assembly #2 | 6 | Gasket Valve |
| 3 | Suction Line Assembly #1 | 17 | Catch Piping Assembly |
| 4 | Suction Line Assembly #2 | | |

5.1.1 Discharge Line Assembly #1

5.1.1.1 6TON (Carlyle|Copeland)



- 2 Compressor Valve
- 5 Muffler Discharge
- 6 Eliminator

5.1.1.1.1 Compressor Valve



PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
C-0930	VALVE COMP SERV 5/8SWT	Carlyle	1	1	1
		Copeland	1	1	1

5.1.1.1.2 Muffler Discharge



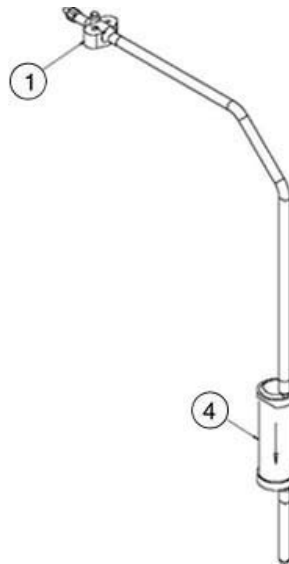
PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
1C16401P1	MUFFLER DISCHARGE 5/8"OD	Carlyle	1		
		Copeland		1	1
P-0040	MUFFLER DISCHARGE 5/8"OD	Copeland	1		

5.1.1.1.3 Eliminator



PART #	DESCRIPTION	TYPE	6 TON
P05-169F	ELIMINATOR VIB ISOL 5/8 ODF	Carlyle	1

5.1.1.2 8/10 TON (Carlyle)



- 1 Compressor Valve
- 4 Muffler Discharge

5.1.1.2.1 Compressor Valve



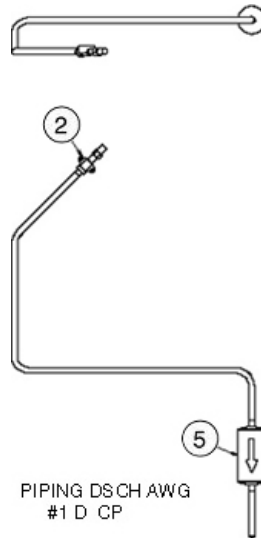
PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
C-0930	VALVE COMP SERV 5/8SWT	Carlyle	1	1	1
		Copeland	1	1	1

5.1.1.2.2 Muffler Discharge



PART #	DESCRIPTION	TYPE	8/10 TON
123575P1	MUFFLER DISCHARGE 5/8"OD HIEFF	Carlyle	1

5.1.1.3 8TON (Copeland)



- 2 Compressor Valve
- 5 Muffler Discharge

5.1.1.3.1 Compressor Valve



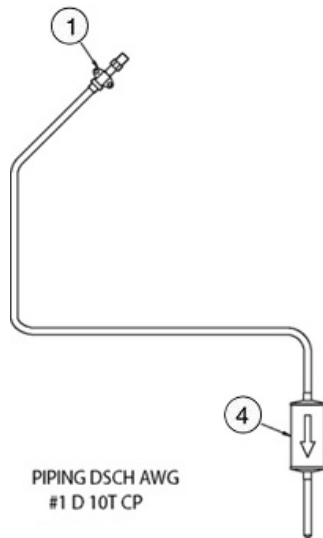
PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
C-0930	VALVE COMP SERV 5/8SWT	Carlyle	1	1	1
		Copeland	1	1	1

5.1.1.3.2 Muffler Discharge



PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
1C16401P1	MUFFLER DISCHARGE 5/8"OD	Carlyle	1		
		Copeland		1	1
P-0040	MUFFLER DISCHARGE 5/8"OD	Copeland	1		

5.1.1.4 10TON (Copeland)



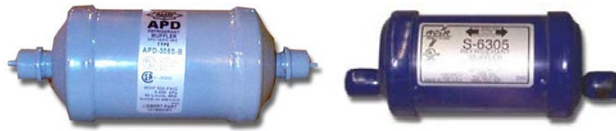
- 1 Compressor Valve
- 4 Muffler Discharge

5.1.1.4.1 Compressor Valve



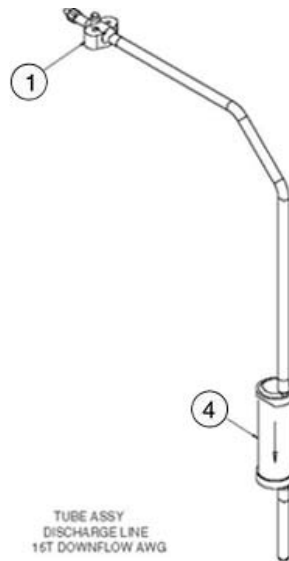
PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
C-0930	VALVE COMP SERV 5/8SWT	Carlyle	1	1	1
		Copeland	1	1	1

5.1.1.4.2 Muffler Discharge



PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
1C16401P1	MUFFLER DISCHARGE 5/8"OD	Carlyle	1		
		Copeland		1	1
P-0040	MUFFLER DISCHARGE 5/8"OD	Copeland	1		

5.1.1.5 15TON (Carlyle)



- 1 Compressor Valve
- 4 Muffler Discharge

5.1.1.5.1 Compressor Valve



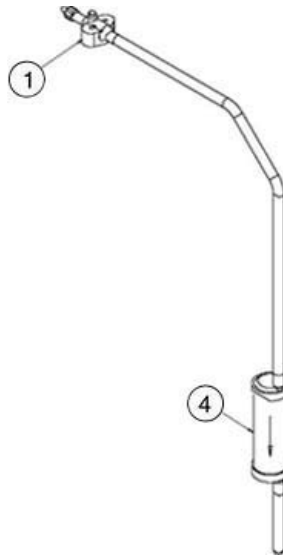
PART #	DESCRIPTION	TYPE	15 TON
C-0870	VALVE COMP SERV DISCHARGE 7/8SWT	Carlyle	1

5.1.1.5.2 Muffler Discharge



PART #	DESCRIPTION	TYPE	15 TON
123575P2	MUFFLER DISCHARGE 7/8"OD HIEFF	Carlyle	1

5.1.1.6 20/22TON (Carlyle)



- 1 Compressor Valve
- 4 Muffler Discharge

5.1.1.6.1 Compressor Valve



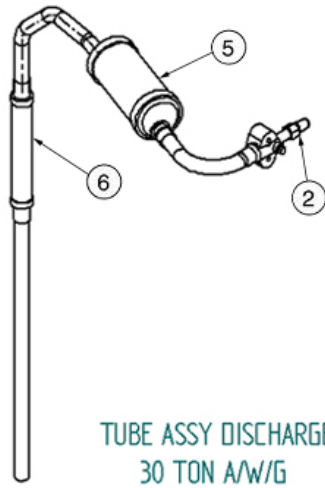
PART #	DESCRIPTION	TYPE	20-22 TON	30 TON
C-0880	VALVE COMP SERV 1-1/8SWT	Carlyle	1	1

5.1.1.6.2 Muffler Discharge



PART #	DESCRIPTION	TYPE	20/22 TON	30 TON
123575P4	MUFFLER DISCHARGE 1-1/8"OD HIEFF	Carlyle	1	1

5.1.1.7 30TON (Carlyle)



- 2 Compressor Valve
- 5 Muffler Discharge
- 6 Eliminator

5.1.1.7.1 Compressor Valve



PART #	DESCRIPTION	TYPE	20-22 TON	30 TON
C-0880	VALVE COMP SERV 1-1/8SWT	Carlyle	1	1

5.1.1.7.2 Muffler Discharge



PART #	DESCRIPTION	TYPE	20/22 TON	30 TON
123575P4	MUFFLER DISCHARGE 1-1/8"OD HIEFF	Carlyle	1	1

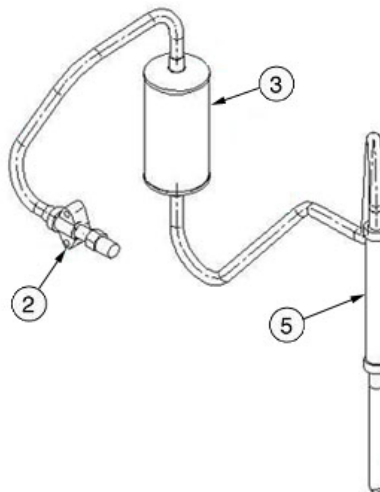
5.1.1.7.3 Eliminator



PART #	DESCRIPTION	TYPE	30 TON
P05-169D	ELIMINATOR VIB ISOL 1-1/8 OD	Carlyle	1

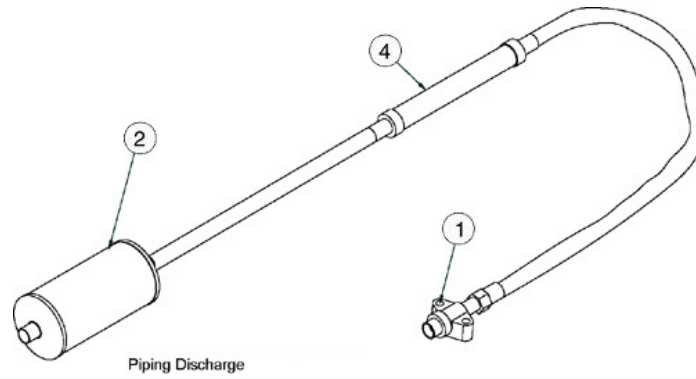
5.1.2 Discharge Line Assembly #2

5.1.2.1 6TON (Carlyle | Copeland)



Carlyle

- 2 Compressor Valve
- 3 Muffler Discharge
- 5 Eliminator



Piping Discharge

Copeland

- 2 Compressor Valve
- 3 Muffler Discharge
- 5 Eliminator

5.1.2.1.1 Compressor Valve



PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
C-0930	VALVE COMP SERV 5/8SWT	Carlyle	1	1	1
		Copeland	1	1	1

5.1.2.1.2 Muffler Discharge



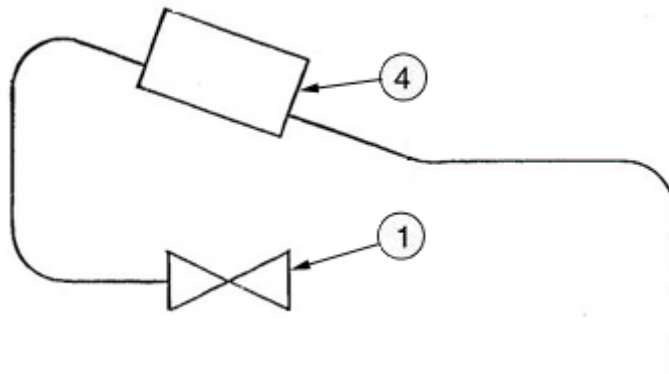
PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
1C16401P1	MUFFLER DISCHARGE 5/8"OD	Carlyle	1		
		Copeland		1	1
P-0040	MUFFLER DISCHARGE 5/8"OD	Copeland	1		

5.1.2.1.3 Eliminator



PART #	DESCRIPTION	TYPE	6 TON
P05-169F	ELIMINATOR VIB ISOL 5/8 ODF	Carlyle/Copeland	1

5.1.2.2 8/10TON (Carlyle)



- 1 Compressor Valve
- 4 Muffler Discharge

5.1.2.2.1 Compressor Valve



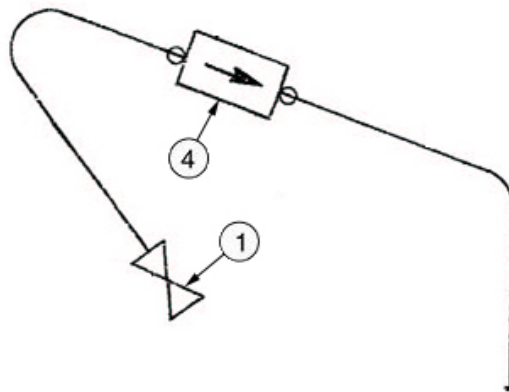
PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
C-0930	VALVE COMP SERV 5/8SWT	Carlyle	1	1	1
		Copeland	1	1	1

5.1.2.2.2 Muffler Discharge



PART #	DESCRIPTION	TYPE	8/10 TON
123575P1	MUFFLER DISCHARGE 5/8"OD HIEFF	Carlyle	1

5.1.2.3 8TON (Copeland)



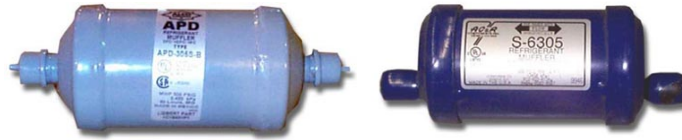
- 1 Compressor Valve
- 4 Muffler Discharge

5.1.2.3.1 Compressor Valve



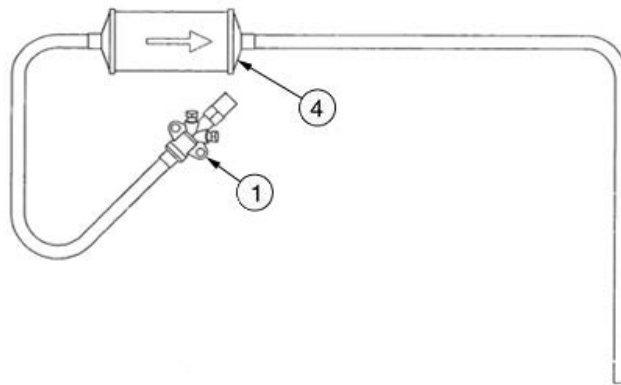
PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
C-0930	VALVE COMP SERV 5/8SWT	Carlyle	1	1	1
		Copeland	1	1	1

5.1.2.3.2 Muffler Discharge



PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
1C16401P1	MUFFLER DISCHARGE 5/8"OD	Carlyle	1		
		Copeland		1	1
P-0040	MUFFLER DISCHARGE 5/8"OD	Copeland	1		

5.1.2.4 10TON (Copeland)



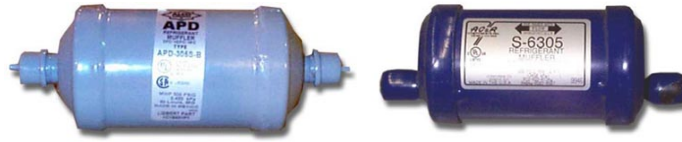
- 1 Compressor Valve
- 4 Muffler Discharge

5.1.2.4.1 Compressor Valve



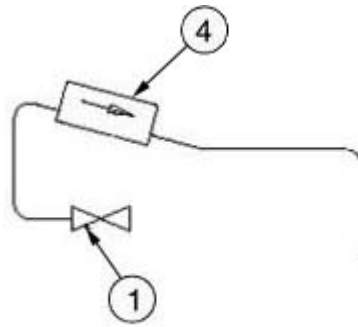
PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
C-0930	VALVE COMP SERV 5/8SWT	Carlyle	1	1	1
		Copeland	1	1	1

5.1.2.4.2 Muffler Discharge



PART #	DESCRIPTION	TYPE	TONNAGE		
			6	8	10
1C16401P1	MUFFLER DISCHARGE 5/8"OD	Carlyle	1		
		Copeland		1	1
P-0040	MUFFLER DISCHARGE 5/8"OD	Copeland	1		

5.1.2.5 15TON (Carlyle)



- 1 Compressor Valve
- 4 Muffler Discharge

5.1.2.5.1 Compressor Valve



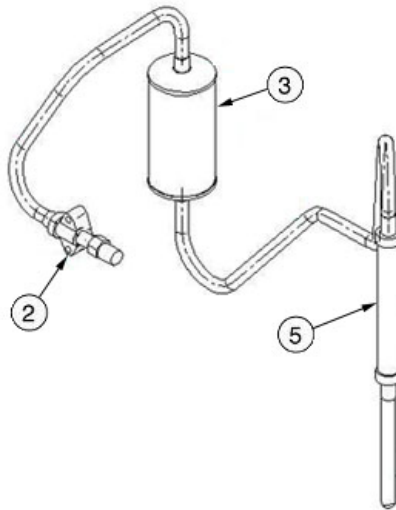
PART #	DESCRIPTION	TYPE	15 TON
C-0870	VALVE COMP SERV DISCHARGE 7/8SWT	Carlyle	1

5.1.2.5.2 Muffler Discharge



PART #	DESCRIPTION	TYPE	15 TON
123575P2	MUFFLER DISCHARGE 7/8"OD HIEFF	Carlyle	1

5.1.2.6 20/22TON (Carlyle)



- 2 Compressor Valve
- 3 Muffler Discharge
- 5 Eliminator

5.1.2.6.1 Compressor Valve



PART #	DESCRIPTION	TYPE	20-22 TON
C-0880	VALVE COMP SERV 1-1/8SWT	Carlyle	1

5.1.2.6.2 Compressor Valve



PART #	DESCRIPTION	TYPE	20/22 TON
123575P4	MUFFLER DISCHARGE 1-1/8"OD HIEFF	Carlyle	1

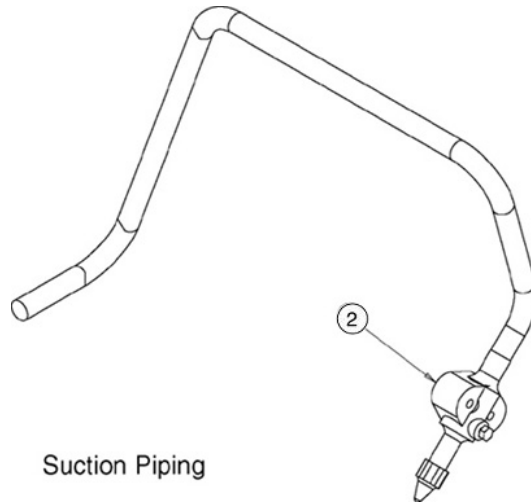
5.1.2.6.3 Eliminator



PART #	DESCRIPTION	TYPE	20-22 TON
P05-169D	ELIMINATOR VIB ISOL 1-1/8 OD	Carlyle	1

5.1.3 Suction Line Assembly #1

5.1.3.1 6TON (Carlyle | Copeland) and 8TON (Copeland)



Suction Piping

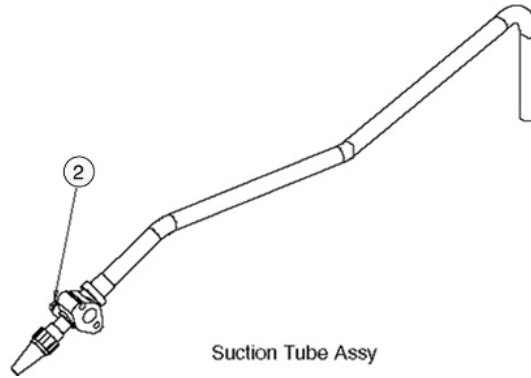
2 Valve Compressor

5.1.3.1.1 Valve Compressor



PART #	DESCRIPTION	TYPE	6 TON	8 TON
C-0870	VALVE COMP SERV DISCH 7/8 SWT	Carlyle	1	
		Copeland	1	1

5.1.3.2 8/10/15 TON (Carlyle)



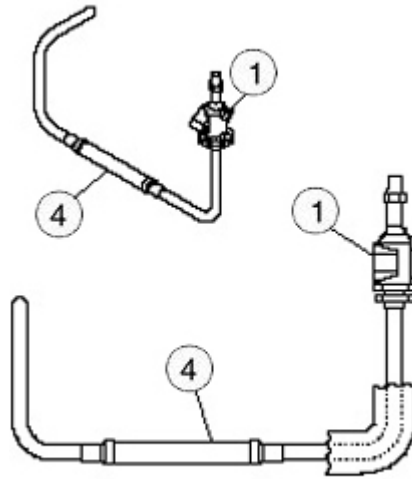
2 Valve Compressor

5.1.3.2.1 Valve Compressor



PART #	DESCRIPTION	TYPE	8-10 TON	15 TON
C-0910	VALVE COMP SERV 7/8SWT	Carlyle	1	
C-0880	VALVE COMP SERV 1-1/8SWT	Carlyle		1

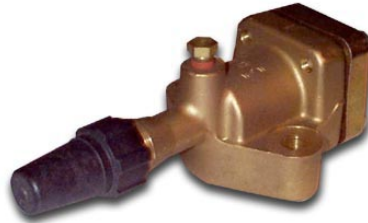
5.1.3.3 10 TON Copeland



PIPING SCTN AWG
#1 D 10T CP

- 1 Compressor Valve
- 4 Eliminator

5.1.3.3.1 Valve Compressor



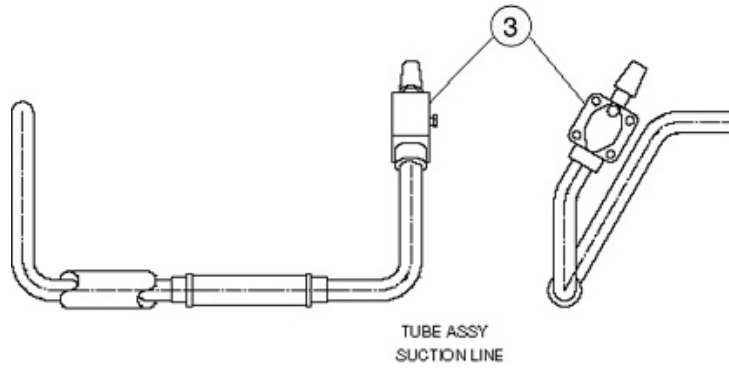
PART #	DESCRIPTION	TYPE	10 TON
C-080K	VALVE COMP SERV DISCH 7/8SWT	Copeland	1

5.1.3.3.2 Valve Compressor



PART #	DESCRIPTION	TYPE	10 TON
P05-169E	ELIMINATOR VIB ISOL 7/8 OD	Copeland	1

5.1.3.4 20/22 TON Carlyle



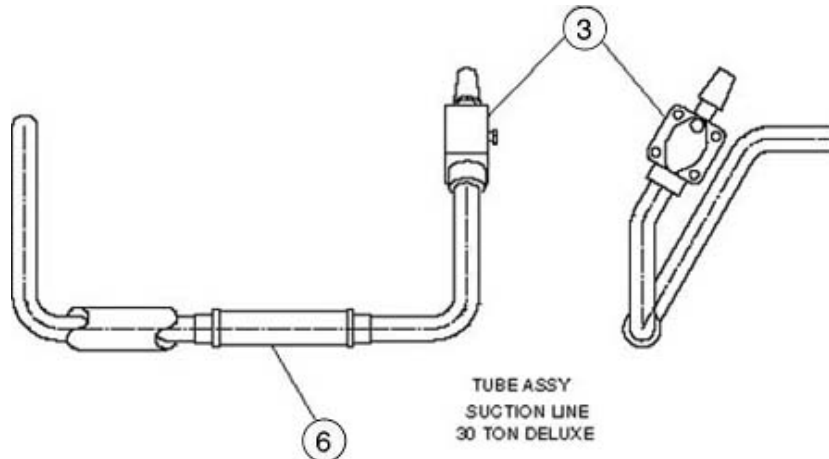
3 Compressor Valve

5.1.3.4.1 Valve Compressor



PART #	DESCRIPTION	TYPE	20-22 TON	30 TON
C-0890	VALVE COMP SERV SUCTN 1-1/8SWT	Carlyle	1	1

5.1.3.5 30 TON Carlyle



3 Compressor Valve

6 Eliminator

5.1.3.5.1 Valve Compressor



PART #	DESCRIPTION	TYPE	20-22 TON	30 TON
C-0890	VALVE COMP SERV SUCTN 1-1/8SWT	Carlyle	1	1

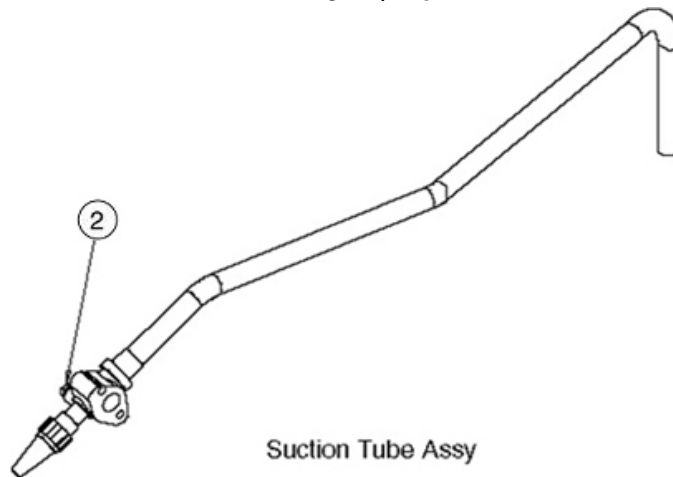
5.1.3.5.2 Valve Compressor



PART #	DESCRIPTION	TYPE	30 TON
P05-169C	ELIMINATOR VIB ISOL 1-3/8 OD	Carlyle	1

5.1.4 Suction Line Assembly #2

5.1.4.1 6/8/10 TON (Carlyle |Copeland) and 6/8 TON (Copeland)



Suction Tube Assy

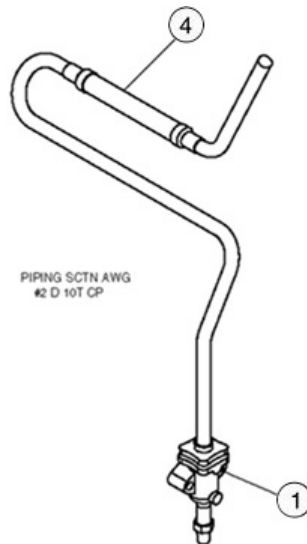
- 2 Compressor Valve

5.1.4.1.1 Valve Compressor



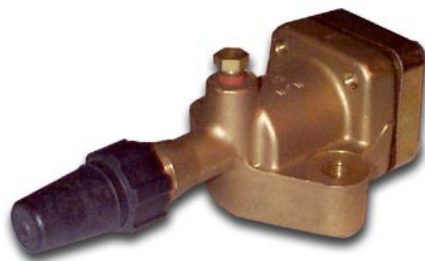
PART #	DESCRIPTION	TYPE	TONNAGE			
			6	8	10	15
C-0870	VALVE COMP SERV DISCH 7/8 SWT	Carlyle	1			
		Copeland	1	1		
C-0910	VALVE COMP SERV 7/8SWT	Carlyle		1	1	
C-0880	VALVE COMP SERV 1-1/8 SWT	Carlyle				1

5.1.4.2 10 TON (Copeland)



- 1 Compressor Valve
- 4 Eliminator

5.1.4.2.1 Valve Compressor



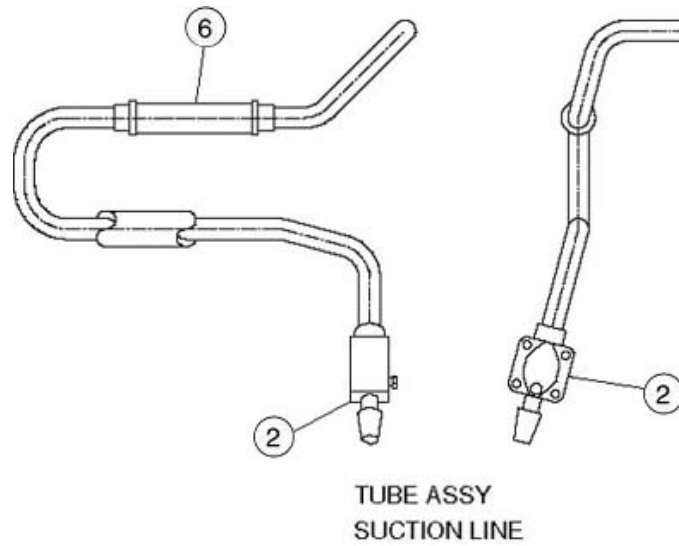
PART #	DESCRIPTION	TYPE	10 TON
C-080K	VALVE COMP SERV DISCH 7/8SWT	Copeland	1

5.1.4.2.2 Eliminator



PART #	DESCRIPTION	TYPE	10 TON
P05-169E	ELIMINATOR VIB ISOL 7/8 OD	Copeland	1

5.1.4.3 20/22 TON (Carlyle)



- 2 Compressor Valve
- 6 Eliminator

5.1.4.3.1 Valve Compressor



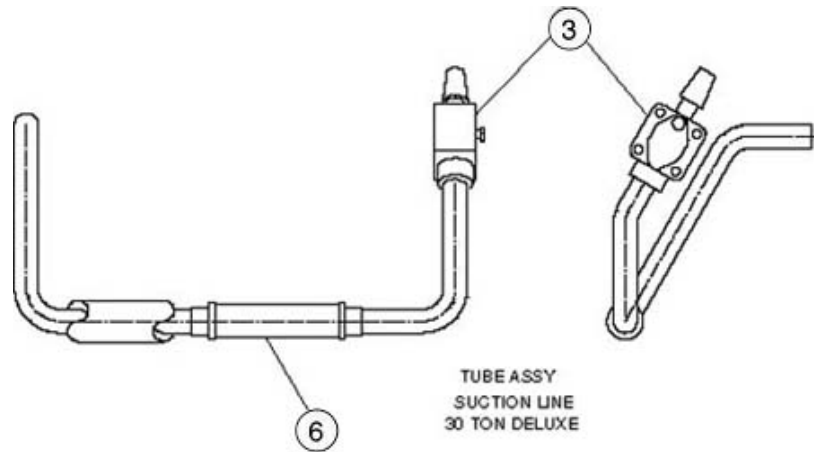
PART #	DESCRIPTION	TYPE	20-22 TON	30 TON
C-0890	VALVE COMP SERV SUCTN 1-1/8SWT	Carlyle	1	1

5.1.4.3.2 Eliminator



PART #	DESCRIPTION	TYPE	20-22 TON
P05-169D	ELIMINATOR VIB ISOL 1-1/8 OD	Carlyle	1

5.1.4.4 30TON (Carlyle)



- 3 Compressor Valve
- 6 Eliminator

5.1.4.4.1 Valve Compressor



PART #	DESCRIPTION	TYPE	20-22 TON	30 TON
C-0890	VALVE COMP SERV SUCTN 1-1/8SWT	Carlyle	1	1

5.1.4.4.2 Eliminator



PART #	DESCRIPTION	TYPE	30 TON
P05-169C	ELIMINATOR VIB ISOL 1-3/8 OD	Carlyle	1

5.1.5 Gasket Valve



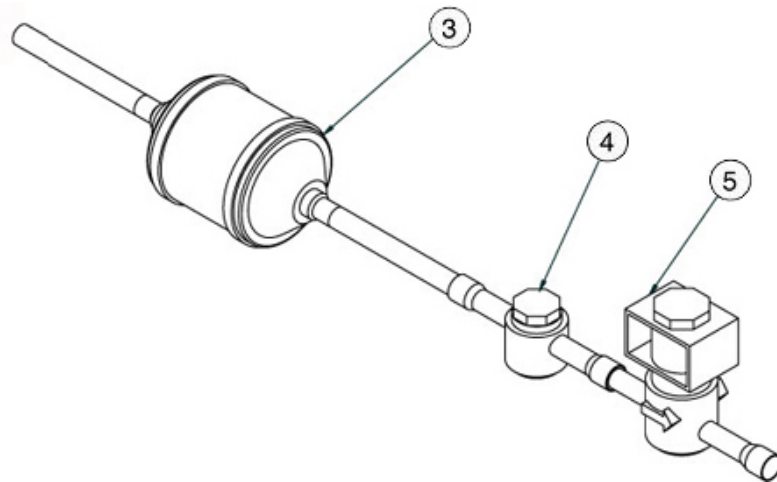
Carlyle

PART #	DESCRIPTION	TONNAGE					
		6	8	10	15	20-22	30
C-087A	GASKET VALVE COMP SERVICE	4	2	2	2		
C-088A	GASKET VALVE COMP SERVICE		2	2	2	2	
C-089A	GASKET VALVE COMP SERVICE					2	
S-128A	SCREW CAP HX G8 PO 5/16-18x1-3/8	4	4	4			
S-123A	SCREW CAP HX G5 PO 5/16-18x2				4	4	4
S-125A	SCREW CAP HX G5 PO 1/2-13x2-1/2					8	8

Copeland

PART #	DESCRIPTION	TONNAGE					
		6	8	10	15	20-22	30
C-088A	GASKET VALVE COMP SERVICE	2	2				
C-080N	GASKET VALVE COMP SERVICE	2	2	2			
C-080T	GASKET VALVE COMP SERVICE			2			
S-128A	SCREW CAP HX G8 PO 5/16-18x1-3/8	4	4	4			
S-129A	SCREW CAP HX G8 PO 5/16-18x1-3/4	4	4				
S-5810	SCREW CAP HX G8 PO 1/2-13x1-3/4			4			

5.1.6 Catch Piping Assembly



- 3 Filter/Drier
- 4 Liquid Indicator
- 5 Valve Solenoid

5.1.6.1 Filter/Drier



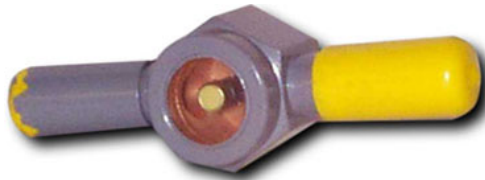
P-0020



P-2890

PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
P-0020	FILTER/DRIER 1/2ODF SLDR	2	2	2	2			
P-2890	FILTER/DRIER 5/8ODF SLDR					2	2	2

5.1.6.2 Liquid Indicator



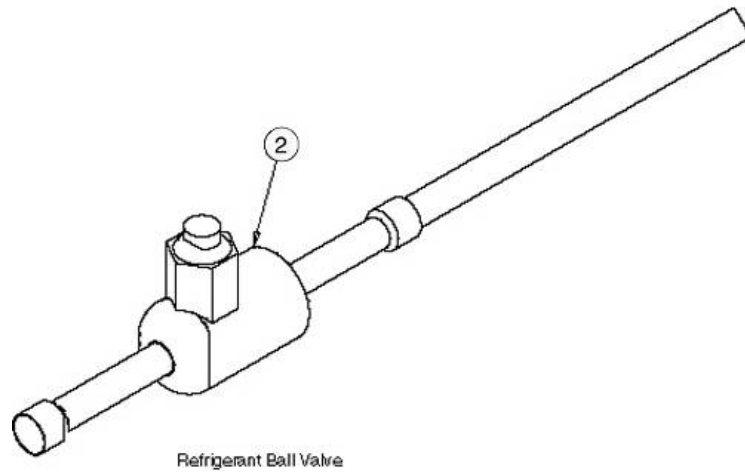
PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
P-0050	INDICATOR LIQUID 1/2 ODF	2	2	2	2			
P-2880	INDICATOR LIQUID 5/8 ODF					2	2	2

5.1.6.3 Valve Solenoid



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
P-0070	VALVE SOLND 1/2ODM X 1/2ODF	2	2	2				
P-0080	VALVE SOLND 1/2MXF 24V-50/60				2			
P-2870	VALVE SOLND 5/8MXF 24V-50/60					2	2	2

5.1.7 Valve Ball Liquid Assembly



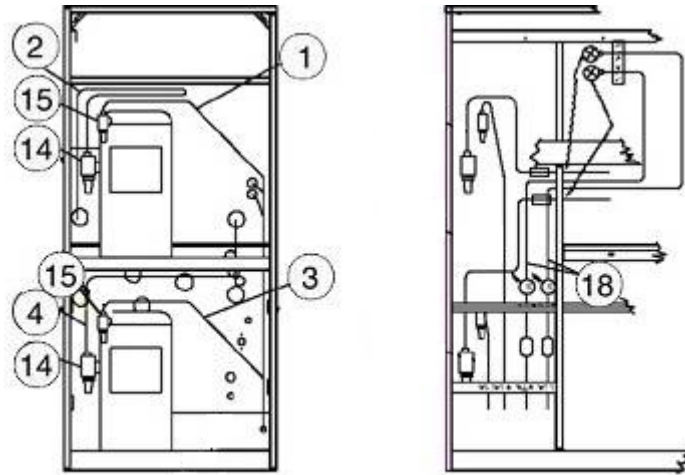
2 Valve Ball

5.1.7.1 Valve Ball



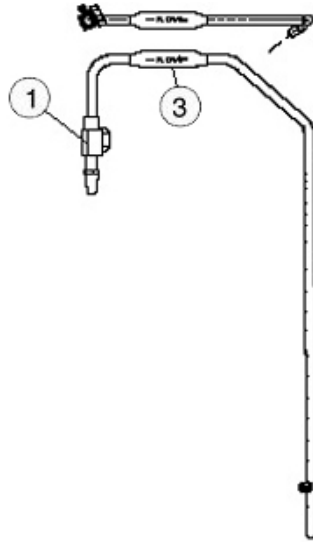
PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
P05-4360	VALVE BALL REFRIG 1/2"	2	2	2	2			
P05-1370	VALVE BALL REFRIG 5/8"					2	2	2

5.2 Scroll



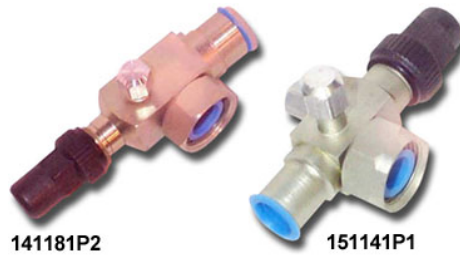
- | | | | |
|---|----------------------------|----|-----------------------|
| 1 | Discharge Line Assembly #1 | 14 | Seal Rotolock |
| 2 | Suction Line Assembly #1 | 15 | Seal Rotolock |
| 3 | Discharge Line Assembly #2 | 18 | Catch Piping Assembly |
| 4 | Suction Line Assembly #2 | | |

5.2.1 Discharge Line Assembly #1



- 1 Valve Rotolock
- 3 Valve Check

5.2.1.1 Valve Rotolock



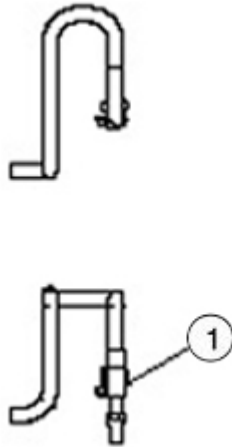
PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
151141P1	VALVE ROTOLOCK 5/8x1-14UNS		1	1				
141181P2	VALVE ROTOLOCK 7/8x1-1/4-12				1	1		

5.2.1.2 Valve Check



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
W-0093	VALVE CHECK 5/8" OD		1	1				
W-0090	VALVE CHECK 7/8" OD				1	1		

5.2.2 Suction Line Assembly #1



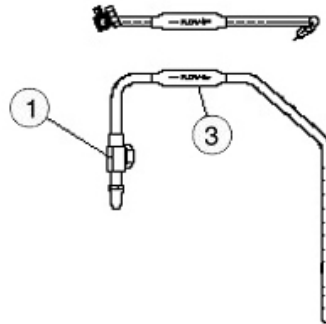
1 Valve Rotolock

5.2.2.1 Valve Rotolock



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
151141P2	VALVE ROTOLOCK 7/8"X1-1/4"-12		1	1				
141181P1	VALVE ROTOLOCK 1-1/8"X1-3/4"-12				1	1		

5.2.3 Discharge Line Assembly #2



- 1 Valve Rotolock
- 3 Valve Check

5.2.3.1 Valve Rotolock



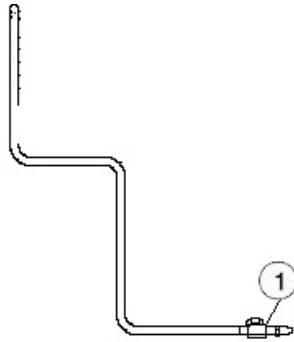
PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
1C16925P1	VALVE ROTOLOCK 5/8"X1"-14UNS		1	1				
141181P2	VALVE ROTOLOCK 7/8"X1-1/4-12				1	1		

5.2.3.2 Valve Check



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
W-0093	VALVE CHECK 5/8" OD		1	1				
W-0090	VALVE CHECK 7/8" OD				1	1		

5.2.4 Suction Line Assembly #2



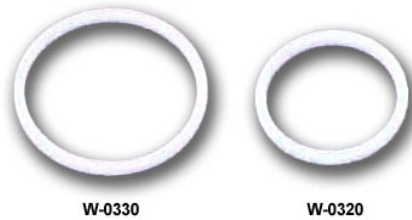
1 Valve Rotolock

5.2.4.1 Valve Rotolock



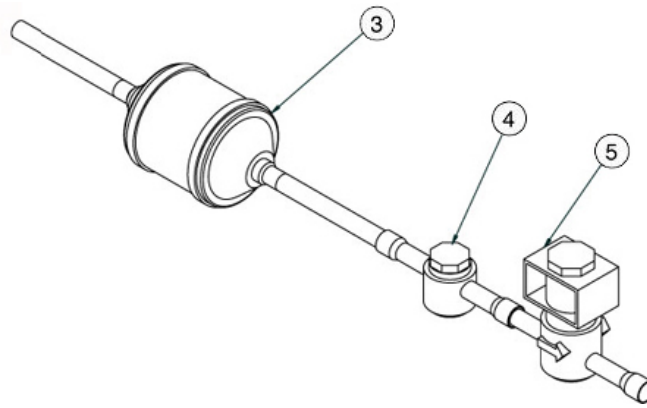
PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
151141P2	VALVE ROTOLOCK 7/8"X1-1/4"-12		1	1				
141181P1	VALVE ROTOLOCK 1-1/8"X1-3/4"-12				1	1		

5.2.5 Seal Rotolock



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
W-0320	SEAL ROTOLOCK 1"X14" TEFLON		1	1				
W-0330	SEAL ROTOLOCK 1-1/4"X12" TEFLON				1	1		

5.2.6 Catch Piping Assembly



- 3 Filter/Drier
- 4 Liquid Indicator
- 5 Valve Solenoid

5.2.6.1 Filter/Drier



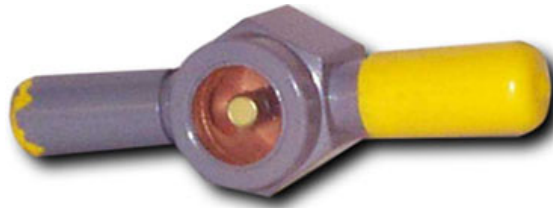
P-0020



P-2890

PART #	DESCRIPTION	TONNAGE			
		8	10	15	20
P-0020	FILTER/DRIER 1/2ODF SLDR	2	2		
P-0060	FILTER/DRIER 1/2ODF SLDR			2	
P-2890	FILTER/DRIER 5/8ODF SLDR				2

5.2.6.2 Liquid Indicator



PART #	DESCRIPTION	TONNAGE			
		8	10	15	20
P-0050	INDICATOR LIQUID 1/2 ODF	2	2	2	
P-2880	INDICATOR LIQUID 5/8 ODF			2	2

5.2.6.3 Valve Solenoid



PART #	DESCRIPTION	TONNAGE			
		8	10	15	20
P-0070	VALVE SOLND 1/2ODM X 1/2ODF	2	2		
P-0080	VALVE SOLND 1/2MXF 24V-50/60			2	
P-2870	VALVE SOLND 5/8MXF 24V-50/60				2

5.3 Hot Gas Bypass Option

5.3.1 Valve Bypass



PART #	DESCRIPTION	TONNAGE					
		6	8	10	15	20	30
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.

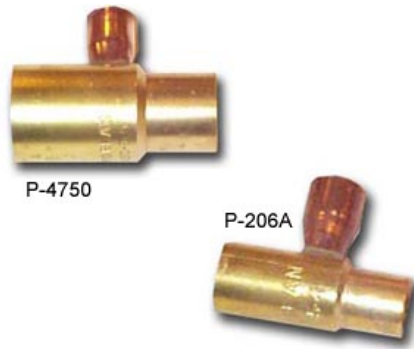
5.3.2 Valve Solenoid 3-Way



PART #	DESCRIPTION	TONNAGE					
		6	8	10	15	20	30
P-0080	VALVE SOLND 1/2MXF 24V-50/60	*	*	*			
P-2870	VALVE SOLND 5/8MXF 24V-50/60				*		
P-287A	VALVE SOLND 7/8MXF 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.

5.3.3 Conn Aux

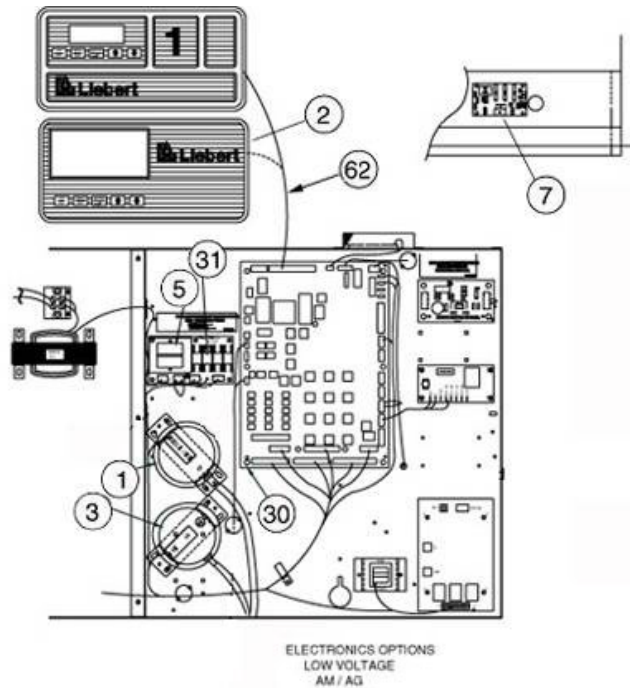


PART #	DESCRIPTION	TONNAGE					
		6	8	10	15	20	30
P-206A	CONN AUX SIDE HOT-GAS	*	*	*			
P-4750	CONN AUX SIDE HOT GAS 1-1/8				*	*	*

Qty of (1) is used on 1 circuit Hot Gas Bypass.
 Qty of (2) is used on 2 circuit Hot Gas Bypass.

6.0 Electrical Section

6.1 Electronics – Advanced Microprocessor/Advanced Graphics



- | | | | |
|---|------------------|----|-----------------------|
| 1 | Airflow Sensing | 7 | PWA SMT Temp |
| 2 | ASM Display | 30 | PWA Universal Control |
| 3 | Air Differential | 31 | Fuse Glass |
| 5 | PWA Transformer | 62 | WH Display AG |

6.1.1 Airflow Sensing



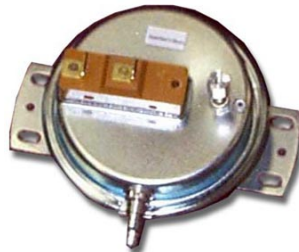
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
B02-0190	SW AIRFLO SENSING	ALL	1	1	1	1

6.1.2 ASM Display



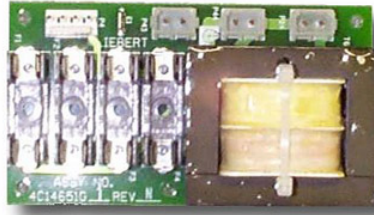
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
166819G1	DISPLAY ASM AM 4X20 UNIV 24/WH	ALL	1	1	1	1
139140G1	DISPLAY ASM L15 GRAPHICS	ALL	1	1	1	1
136600P1	COVER DISPLAY ADVANCE GRAPHICS	ALL	1	1	1	1

6.1.3 Air Differential



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
128199P1	SW AIR DIFFERENTIAL 2PORTS	ALL	1	1	1	1

6.1.4 PWA Transformer



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
4C14651G1	PWA ISO XFMR/FUSE INTF	ALL	1	1	1	1

6.1.5 PWA SMT Temp



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
4C13121G4	PWA SMT TEMP/HUM GEN EAST	ALL	1	1	1	1

6.1.6 PWA Universal Control



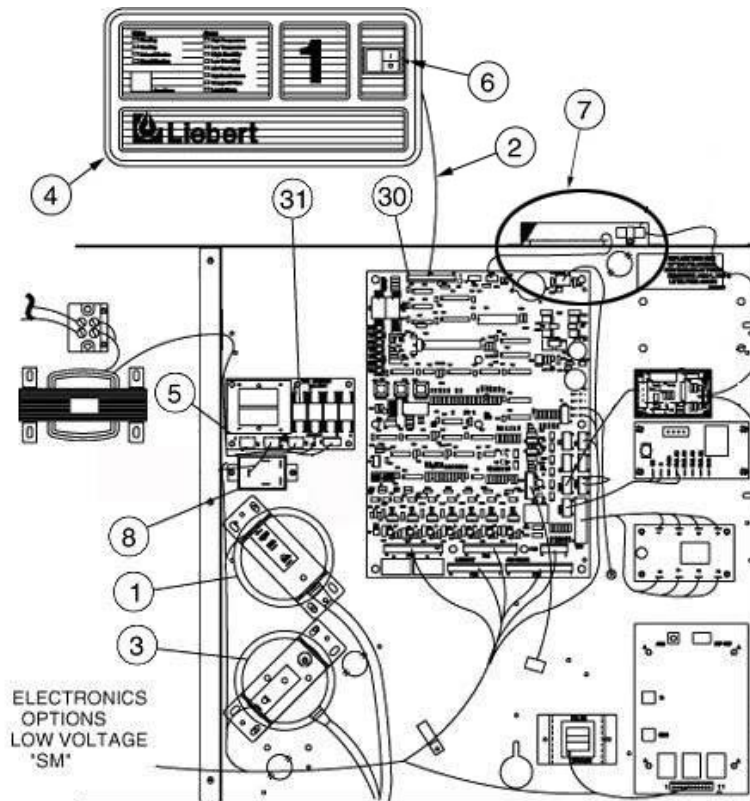
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
415761G2	PWA UNIVERSAL CONTROL AM	ALL	1	1	1	1
415761G3	PWA UNIVERSAL CONTROL AG	ALL	1	1	1	1

6.1.7 Fuse Glass



PART #	DESCRIPTION	FREQUENCY	TONNAGE			
			6-8	10-15	20-22	30
135409P2	FUSE GLASS 250V 4AMP .25X1.25	60HZ	4	4	4	4
135409P3	FUSE GLASS 250V 6AMP .25X1.25	50HZ	4	4	4	4

6.2 Electronics – Standard Microprocessor



NOTE: Standard Microprocessor Control Board is no longer available. Will need to upgrade to Advanced Microprocessor Controls.

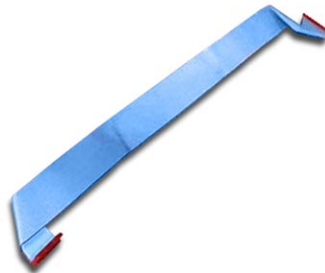
- | | | | |
|---|------------------|----|---------------|
| 1 | Airflow Sensing | 6 | Rocker Switch |
| 2 | Cable Assembly | 7 | PWA SMT Temp |
| 3 | Air Differential | 8 | Relay |
| 4 | Display Assembly | 30 | PWA Control |
| 5 | PWA Transformers | 31 | Fuse Glass |

6.2.1 Airflow Sensing



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
B02-0190	SW AIRFLO SENSING	ALL	1	1	1	1

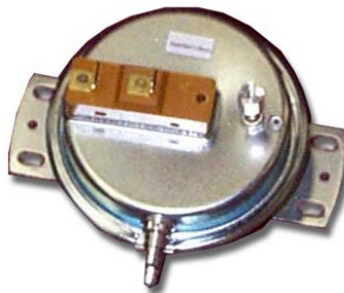
6.2.2 Cable Assembly



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
1C13999G1	CABLE ASSY SYS3 LEVEL 0 RIBBON	ALL	1	1	1	1

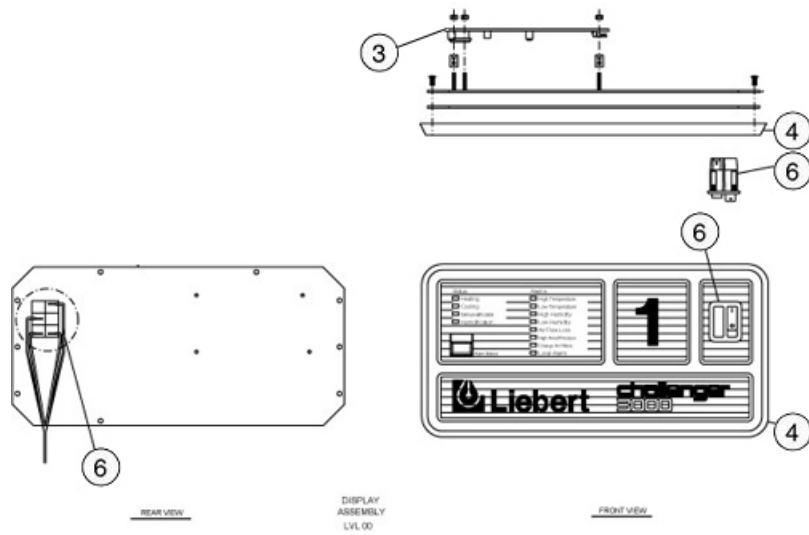
NOTE: P02-0240 is shipped loose in the unit, and is field installed.

6.2.3 Air Differential



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
128199P1	SW AIR DIFFERENTIAL 2PORTS	ALL	1	1	1	1

6.2.4 Display Assembly



- 3 PWA Display
- 4 Center Bezel
- 6 Rocker Switch

6.2.4.1 PWA Display



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
4C14591G1	PWA DISPLAY LVL00 W/ALARM	ALL	1	1	1	1

6.2.4.2 Center Bezel



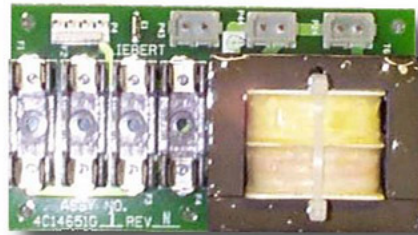
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
4D10399P1	BEZEL CNTR DISP SG/AM/00	ALL	1	1	1	1

6.2.4.3 Rocker Switch



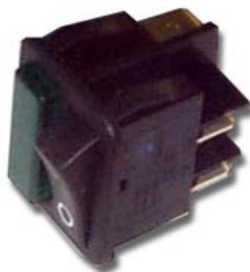
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
140589P1	SW ROCKER W/INDEP 28VDC L	ALL	1	1	1	1

6.2.5 PWA Transformers



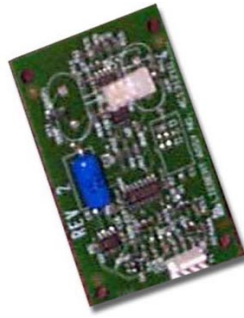
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
4C14651G1	PWA ISO XFMR/FUSE INTF	ALL	1	1	1	1

6.2.6 Rocker Switch



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
140589P1	SW ROCKER W/INDEP 28VDC L	ALL	1	1	1	1

6.2.7 PWA SMT Temp



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
4C13121G4	PWA SMT TEMP/HUM GEN EAST	ALL	1	1	1	1

6.2.8 Relay



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E03-0170	RELAY 1P2T 24V 50/60HZ	24V 50/60 Hz	1	1	1	1

6.2.9 PWA Control



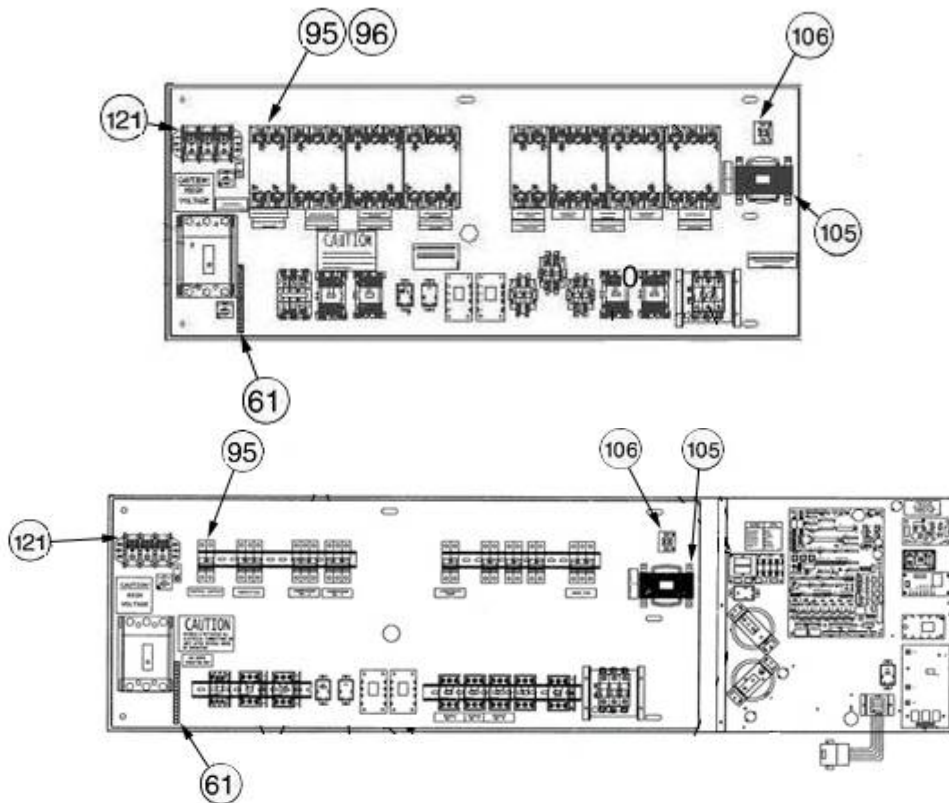
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
4D14331G2	PWA CNTL 00 SM DX	ALL	1	1	1	1

6.2.10 Fuse Glass



PART #	DESCRIPTION	FREQUENCY	TONNAGE			
			6-8	10-15	20-22	30
135409P2	FUSE GLASS 250V 4AMP .25X1.25	60HZ	4	4	4	4
135409P3	FUSE GLASS 250V 6AMP .25X1.25	50HZ	4	4	4	4

6.3 Back Panel – 50Hz Fused/Circuit Breaker



- 61 Ground Lug Strip
- 95 Fuseblock
- 96 Fuse Dual Element
- 105 Transformer
- 106 Powerblock
- 121 Powerblock 3PL

6.3.1 Ground Lug Strip



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-3620	GROUND LUG STRIP	380/400/415V	1	1	1	1

6.3.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-6030	FUSEBLOCK 600V 2P 030A	380/400/415V	1	1	1	1

6.3.3 Fuse Dual Element



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-194C	FUSE DUAL ELMNT 600V 1.2AMP	380/400/415V	2	2	2	2

6.3.4 Transformer



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136203P2	XFMR 400VA 380-415/24-50	380/400/415V	1	1	1	1

6.3.5 Powerblock



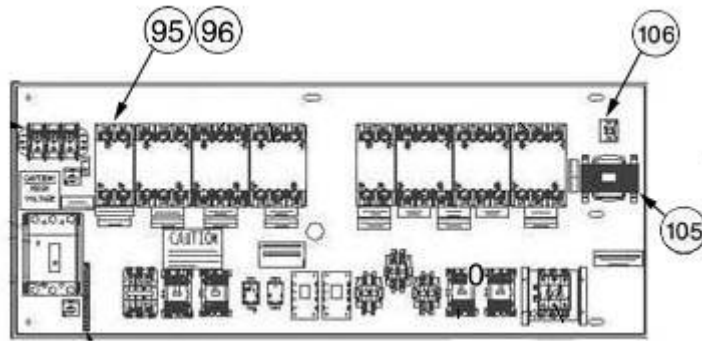
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136205P1	PWRBLK 2PL 600V 65A	380/400/415V	1	1	1	1

6.3.6 Powerblock 3PL



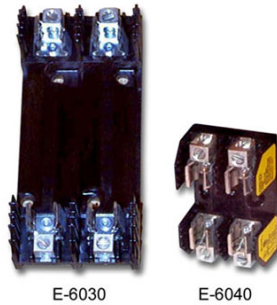
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
140653P1	POWERBLOCK 3PL COVER 4X2.5	380/400/415V	1	1	1	1

6.4 Back Panel – 60Hz, 208/230/460/575V



- 95 Fuseblock
- 96 Fuse Dual Element
- 105 Transformer
- 106 Powerblock

6.4.1 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-6030	FUSEBLOCK 600V 2P 030A	460/575V	1	1	1	1
E-6040	FUSEBLOCK 250V 2P 030A	208/230V	1	1	1	1

6.4.2 Fuse Dual Element



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-194C	FUSE DUAL ELMNT 600V 1.2AMP	460/575V	2	2	2	2
E-203D	FUSE DUAL ELMNT 250V 02.8AMP	208/230V	2	2	2	2

6.4.3 Transformer



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
*E-007A	XFMR 075VA 60 230-24	208/230V	1	1	1	1
*E-007B	XFMR 075VA 60 460-24	460V	1	1	1	1
*E-007C	XFMR 075VA 60 575-24	575V	1	1	1	1
*F02-4380	BRKT CB 75VA XFMR	208/230/460/575V	1	1	1	1
*E-276C	CB 3.2A BRKT MNT ETA	208/230/460/575V	1	1	1	1
136203P1	XFMR 400VA 200-240/24V	208/230V	1	1	1	1
136202P1	XFMR 300VA 460-615/2460	460/575V1 1 1	1	1	1	1

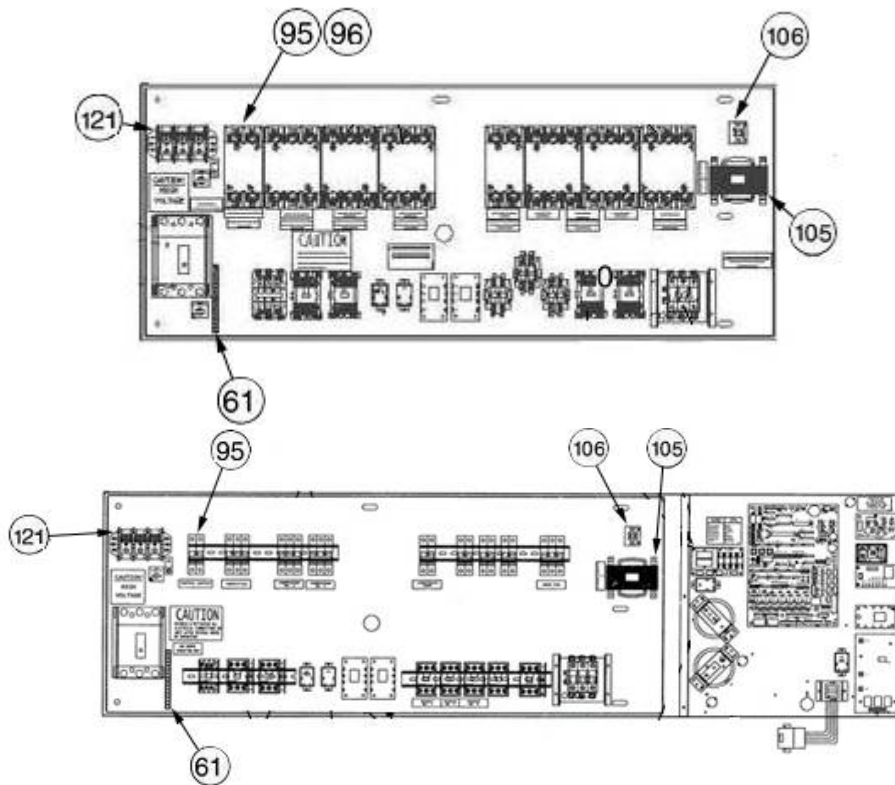
*Transformers are used with Standard Microprocessor Controls with 2 Circuit Hot Gas Bypass.

6.4.4 Powerblock



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136205P1	PWRBLK 2PL 600V 65A	208/230/460/575V	1	1	1	1

6.5 Back Panel – 60Hz, 380V Fused/Circuit Breaker



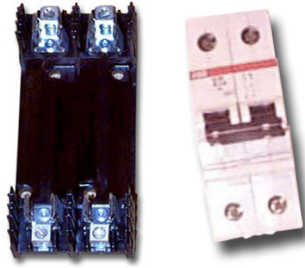
- 61 Ground Lug Strip
- 95 Fuseblock
- 96 Fuse Dual Element
- 105 Transformer
- 106 Powerblock
- 121 Powerblock 3PL

6.5.1 Ground Lug Strip



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-3620	GROUND LUG STRIP	380/400/415V	1	1	1	1

6.5.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-6030	FUSEBLOCK 600V 2P 030A	380/400/415V	1	1	1	1
136240P5	CB MCB 2P 240/415V ABBS272-K3	380/400/415V	1	1	1	1

6.5.3 Fuse Dual Element



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-194C	FUSE DUAL ELMNT 600V 1.2AMP	380/400/415V	2	2	2	2

6.5.4 Transformer



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136203P2	XFMR 400VA 380-415/24-50	380/400/415V	1	1	1	1

6.5.5 Powerblock



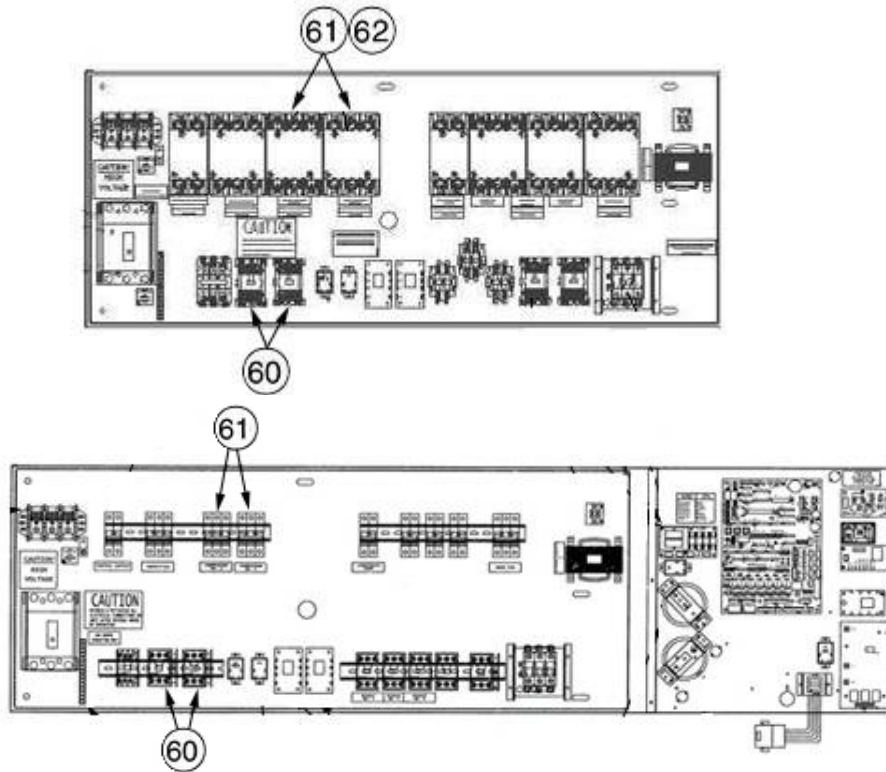
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136205P1	PWRBLK 2PL 600V 65A	380/400/415V	1	1	1	1

6.5.6 Powerblock 3PL



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
140653P1	POWERBLOCK 3PL COVER 4X2.5	380/400/415V	1	1	1	1

6.6 Compressor – 50Hz Fused/Circuit Breaker

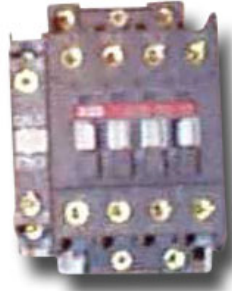


- 60 Contactor
- 61 Fuseblock
- 62 Fuse Dual Element

6.6.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
123273P1	CONTACTOR 3PL 25/30 NO/NC AUX	380/400/415V	2	2	2	2	2



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136232P1	CONTACTOR 3P23IND32RES24/50AUX	380/400/415V	2	2	2	2

6.6.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
E-1050	FUSEBLOCK 600V 3P 030A	380/400/415V	2	2	2		
E-105A	FUSEBLOCK 600V 3P 060A	380400/415V				2	2



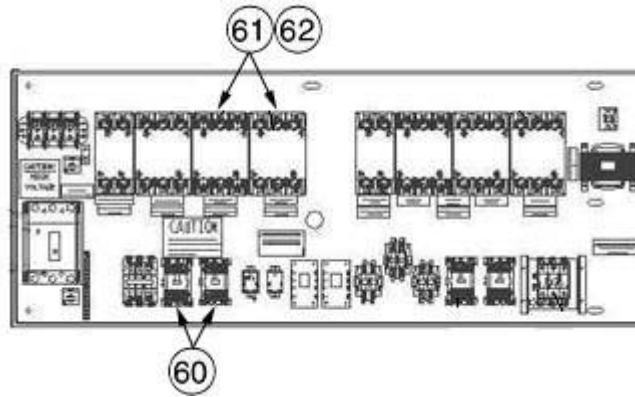
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136241P10	CB MCB 3P 240/415V ABBS273-K16	380/400/415V	2			
136241P12	CB MCB 3P 240/415V ABBS273-K25	380/400/415V		2		
136241P13	CB MCB 3P 240/415V ABBS273-K32	380/400/415V			2	2

6.6.3 Fuse Dual Element



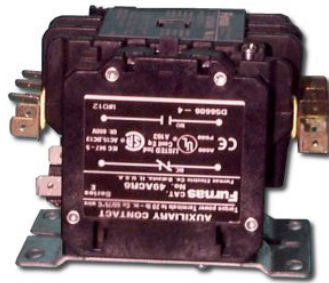
PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/400/415V	6				
E-3050	FUSE DUAL ELMNT 600V 25.0AMP	380/400/415V		6			
E-1100	FUSE DUAL ELMNT 600V 30.0AMP	380/400/415V			6		
E-2021	FUSE DUAL ELMNT 600V 35.0AMP	380/400/415V				6	6

6.7 Compressor – 60Hz, 208/230/460/575V



- 60 Contactor
- 61 Fuseblock
- 62 Fuse Dual Element

6.7.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
123273P1	CONTACTOR 3PL 25/30 NO/NC AUX	208V	2	2	2				
		230V	2	2	2				
		460V	2	2	2	2	2	2	
		575V	2	2	2		2	2	
123280P1	CONTACTOR 3PL 30/40 NO/NC	460V							2
		575V				2			2
123281P1	CONTACTOR 3PL 40/50 NO/NC	208/230V				2			
123282P1	CONTACTOR 3PL 50/63 NO/NC AUX	208/230V					2		
123283P1	CONTACTOR 3PL 65/75 NO/NC AUX	208/230V						2	2

6.7.2 Fuseblock



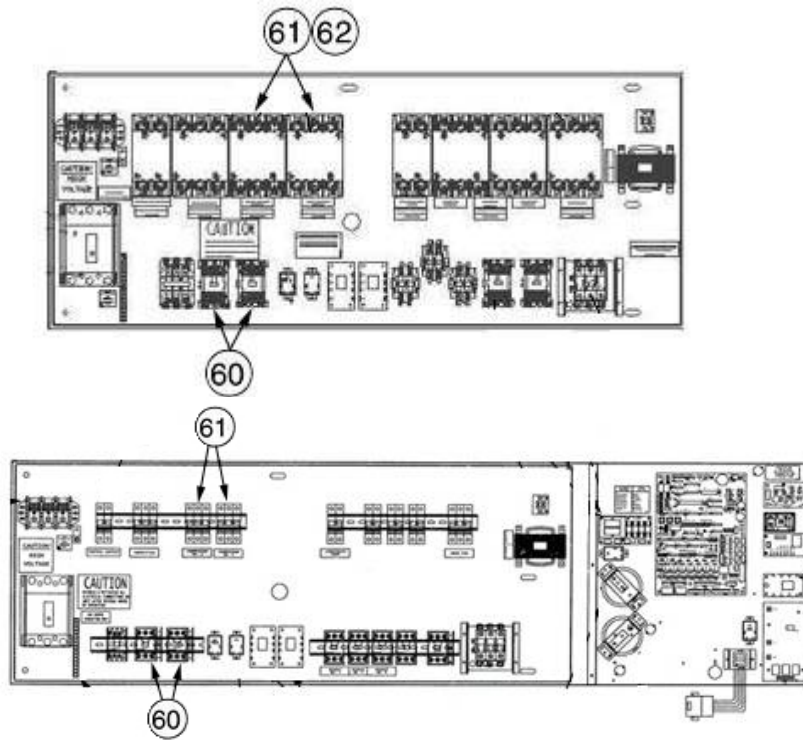
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-1020	FUSEBLOCK 250V 3P 030A	208/230V	2	2	2				
E-1040	FUSEBLOCK 250V 3P 060A	208/230V				2	2		
E-1041	FUSEBLOCK 250V 3P 100A	208/230V						2	2
E-1050	FUSEBLOCK 600V 3P 030A	460V	2	2	2	2	2		
		575V	2	2	2		2		
E-105A	FUSEBLOCK 600V 3P 060A	460V						2	2
		575V				2		2	2

6.7.3 Fuse Dual Element



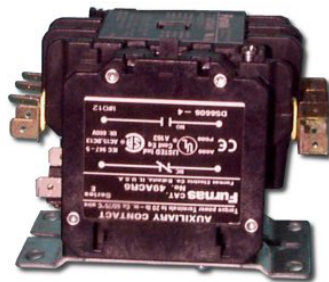
PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
E-1230	FUSE DUAL ELMNT 250V 20.0AMP	208/230V	6							
E-2090	FUSE DUAL ELMNT 250V 30.0AMP		6	6						
E-3060	FUSE DUAL ELMNT 250V 50.0AMP					6				
E-1160	FUSE DUAL ELMNT 250V 60.0AMP						6			
E-116A	FUSE DUAL ELMNT 250V 70.0AMP							6		
E-1120	FUSE DUAL ELMNT 250V 90.0AMP								6	
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	460/575V	6	6	6					
E-1100	FUSE DUAL ELMNT 600V 30.0AMP						6			
E-2021	FUSE DUAL ELMNT 600V 35.0AMP							6		
E-3050	FUSE DUAL ELMNT 600V 25.0AMP	460V				6				
E05-3810	FUSE DUAL ELMNT 600V 45.0AMP	460V								6
		575V				6				6

6.8 Compressor – 60Hz, 380V Fused/Circuit Breaker



- 60 Contactor
- 61 Fuseblock
- 62 Fuse Dual Element

6.8.1 Contactor

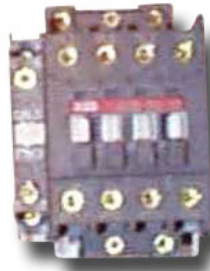


PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
123273P1	CONTACTOR 3PL 25/30 NO/NC AUX	380/400/415V	2	2	2	2	2

6.8.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
E-1050	FUSEBLOCK 600V 3P 030A	380/400/415V	2	2	2		
E-105A	FUSEBLOCK 600V 3P 060A	380/400/415V				2	2

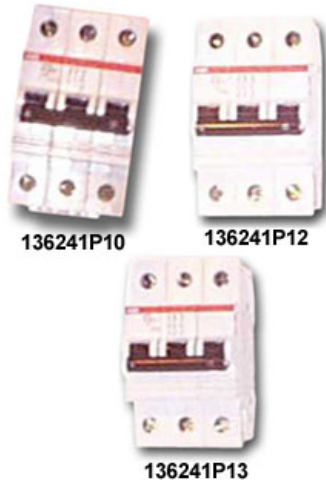


PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136232P1	CONTACTOR 3P23IND32RES24/50AUX	380/400/415V	2	2	2	2

6.8.3 Fuse Dual Element

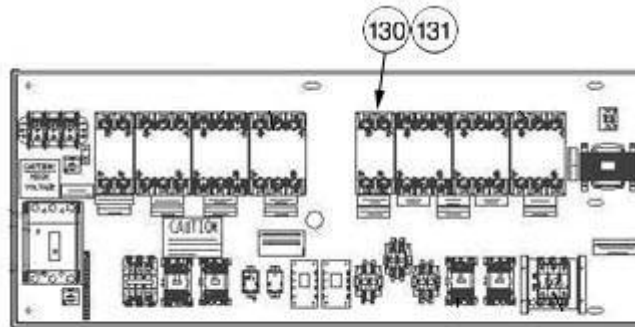


PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/400/415V	6				
E-3050	FUSE DUAL ELMNT 600V 25.0AMP	380/400/415V		6			
E-1100	FUSE DUAL ELMNT 600V 30.0AMP	380/400/415V			6		
E-2021	FUSE DUAL ELMNT 600V 35.0AMP	380/400/415V				6	6



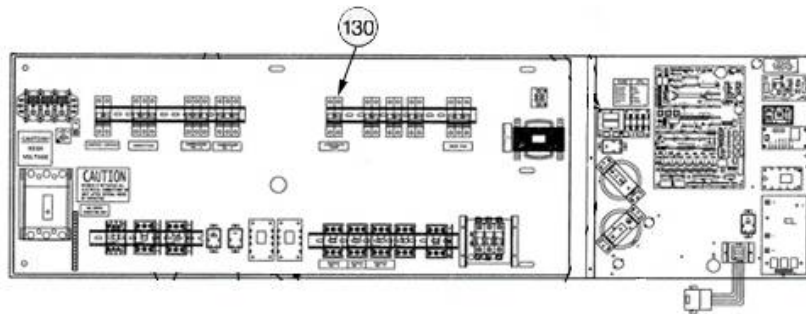
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136241P10	CB MCB 3P 240/415V ABBS273-K16	380/400/415V	2			
136241P12	CB MCB 3P 240/415V ABBS273-K25	380/400/415V		2		
136241P13	CB MCB 3P 240/415V ABBS273-K32	380/400/415V			2	2

6.9 Condensate Pump – 50Hz Fused/Circuit Breaker



130 Fuseblock

131 Fuse Dual Element



130 Circuit Breaker MCB

6.9.1 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-6030	FUSEBLOCK 600V 2P 030A	380/400/415V	1	1	1	1

6.9.2 Fuse Dual Element



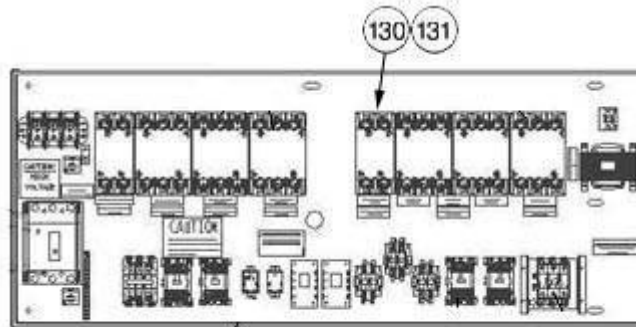
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-1951	FUSE DUAL ELMNT 600V 02.8AMP	380/400/415V	2	2	2	2

6.9.3 Circuit Breaker



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136240P5	CB MCB 2P 240/415V ABBS272-K3	380/400/415V	1	1	1	1

6.10 Condensate Pump – 60Hz, 208/230/460/575V



- 130 Fuseblock
- 131 Fuse Dual Element

6.10.1 Fuseblock



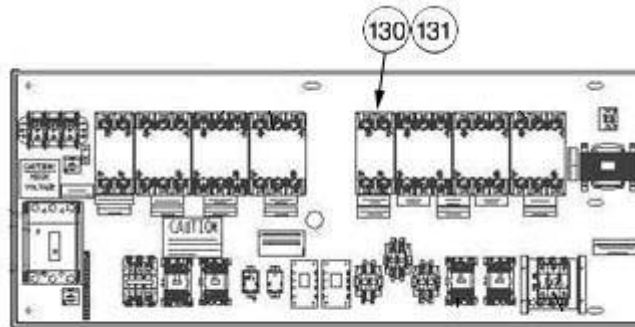
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-6040	FUSEBLOCK 250V 2P 030A	208/230V	1	1	1	1
E-6030	FUSEBLOCK 600V 2P 030A	460/575V	1	1	1	1

6.10.2 Fuse Dual Element



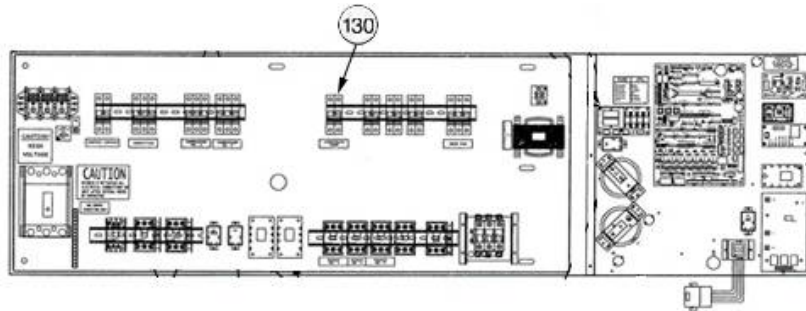
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-203D	FUSE DUAL ELMNT 250V 02.8AMP	208/230V	2	2	2	2	2	2	2
E-1951	FUSE DUAL ELMNT 600V 02.8AMP	460V	2	2	2	2	2	2	2
E-194C	FUSE DUAL ELMNT 600V 01.25AMP	575V	2	2	2	2	2	2	2

6.11 Condensate Pump – 60Hz, 380V Fused/Circuit Breaker



130 Fuseblock

131 Fuse Dual Element



130 Circuit Breaker MCB

6.11.1 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-6030	FUSEBLOCK 600V 2P 030A	380/400/415V	1	1	1	1

6.11.2 Fuse Dual Element



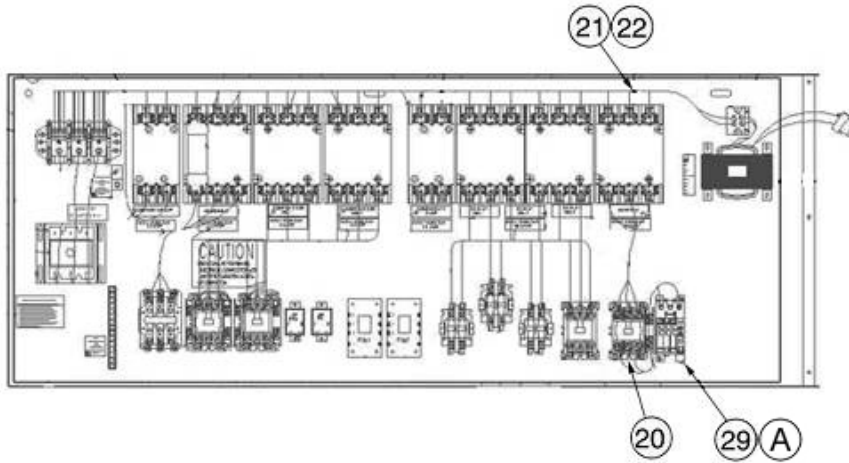
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-1951	FUSE DUAL ELMNT 600V 02.8AMP	380/400/415V	2	2	2	2

6.11.3 Circuit Breaker MCB

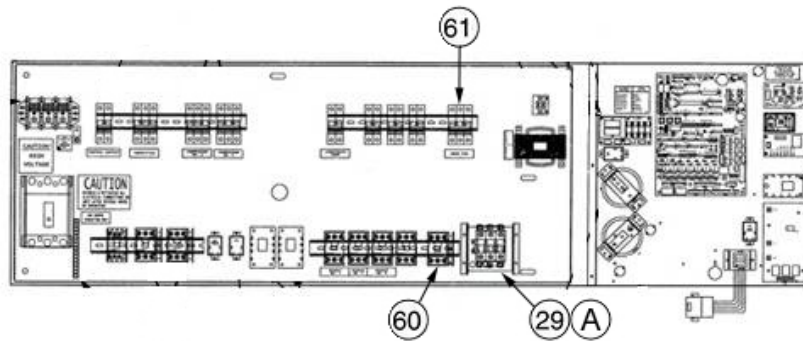


PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
136240P5	CB MCB 2P 240/415V ABBS272-K3	380/400/415V	1	1	1	1

6.12 Motor – 50Hz Fused/Circuit Breaker



- | | | | |
|----|-------------------|----|----------------|
| 20 | Contactor | 29 | Overload Relay |
| 21 | Fuseblock | A | Heater Class |
| 22 | Fuse Dual Element | | |



- | | | | |
|----|----------------|----|---------------------|
| 29 | Overload Relay | 60 | Contactor |
| A | Heater Class | 61 | Circuit Breaker MCB |

6.12.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
124503P1	CONTACTOR 3PL 24V 15/20 1NO1NC	380/400/415V	1	1	1	1	1		
124501P1	CONTACTOR 3PL 24VCOIL 15/20AMP	380/400/415V	1	1	1	1	1		
E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	380/400/415V					1	1	1
123280P1	CONTACTOR 3PL 30/40 NO/NC AUX	300/400/415V					1	1	1

Contactors Part Numbers 123280P1 & 124503P1 are supplied with auxiliary contacts.
 Contactor Part Numbers 124503P1 & 124501P1 are used on 20 Ton units with 5Hp Fan Motors.
 Contactor Part Numbers E-009F & 123280P1 are used on 20 Ton units with 7.5Hp and 10Hp Fan Motors.



136221P1



136223P1



136224P1

PART #	DESCRIPTION	VOLTS	TONNAGE			
			6	8	10	15
136221P1	CONTACTOR 3P16IND/21RES24/50	380/400/415V	1	1	1	1
136231P1	CONTACTOR 3P16IND21RES24/50AUX	380/400/415V	1	1	1	1



136221P1



136223P1

PART #	DESCRIPTION	VOLTS	Hp		
			5	7.5	10
136221P1	CONTACTOR 3P16IND/21RES24/50	380/400/415V	1		
136231P1	CONTACTOR 3P16IND21RES24/50AUX	380/400/415V	1		
136233P1	CONTACTOR 3P30IND40RES24//50AUX	380/400/415V		1	1
136223P1	CONTACTOR 3P30IND/40RES24	380/400/415V		1	1

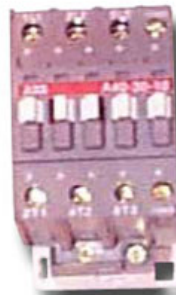


136223P1

PART #	DESCRIPTION	VOLTS	Hp	
			7.5	10
136233P1	CONTACTOR 3P30IND40RES24/50AUX	380/400/415V	1	1
136223P1	CONTACTOR 3P30IND/40RES24	380/400/415V	1	1



136223P1



136224P1

PART #	DESCRIPTION	VOLTS	Hp	
			10	15
136223P1	CONTACTOR 3P30IND/40RES24	380/400/415V	1	
136224P1	CONTACTOR 3P40IND/55RES24	380/400/415V		1

6.12.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
E-1050	FUSEBLOCK 600V 3P 030A	380/400/415V	1	1	1	1	1

6.12.3 Fuse Dual Element



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/400/415V	3	3	3	3	3		
E-2020	FUSE DUAL ELMNT 600V 20.0AMP	380/400/415V					3	3	
E-3050	FUSE DUAL ELMNT 600V 25.0AMP	380/400/415V					3	3	3

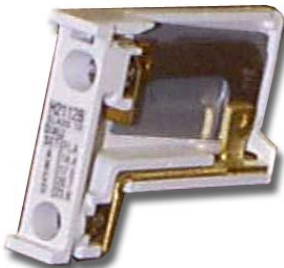
6.12.4 Overload Relay



Overload Relay

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
124547P1	OVERLOAD RELAY W/B MNT 32	ALL	1	1	1	1	1	1	1

6.12.5 Heater Class



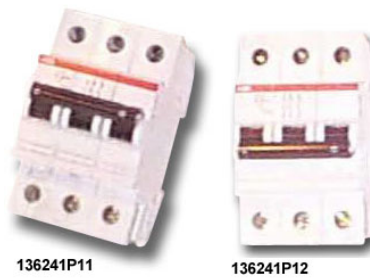
PART #	DESCRIPTION	Quantity
124549P1	HEATER CLASS 10 .283A-.420A C-H	3
124549P2	HEATER CLASS 10 .384A-.623A C-H	3
124549P3	HEATER CLASS 10 .570A-.924A C-H	3
124549P4	HEATER CLASS 10 .846A-1.37A C-H	3
124549P5	HEATER CLASS 10 1.28A-2.10A C-H	3
124549P6	HEATER CLASS 10 1.92A-3.15A C-H	3
124549P7	HEATER CLASS 10 2.30A-3.77A C-H	3
124549P8	HEATER CLASS 10 3.38A-5.54A C-H	3
124549P9	HEATER CLASS 10 4.96A-8.16A C-H	3
124549P10	HEATER CLASS 10 7.07A-11.6A C-H	3
124549P11	HEATER CLASS 10 9.6A-14.4A C-H	3
124549P12	HEATER CLASS 10 14.4A-23.8A C-H	3
124549P13	HEATER CLASS 10 18.7A-28.1A C-H	3
124549P14	HEATER CLASS 10 23.5A-34.8A C-H	3

6.12.6 Circuit Breaker MCB



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6	8	10	15
136241P10	CB MCB 3P 240/415V ABBS273-K16	380/400/415V	1	1	1	1

PART #	DESCRIPTION	VOLTS	Hp		
			5	7.5	10
136241P10	CB MCB 3P 240/415V ABBS273-K16	380/400/415V	1		
136241P11	CB MCB 3P 240/415V ABBS273-K20	380/400/415V		1	
136241P12	CB MCB 3P 240/415V ABBS273-K25	380/400/415V			1



PART #	DESCRIPTION	VOLTS	Hp	
			7.5	10
136241P11	CB MCB 3P 240/415V ABBS273-K20	380/400/415V	1	
136241P12	CB MCB 3P 240/415V ABBS273-K25	380/400/415V		1



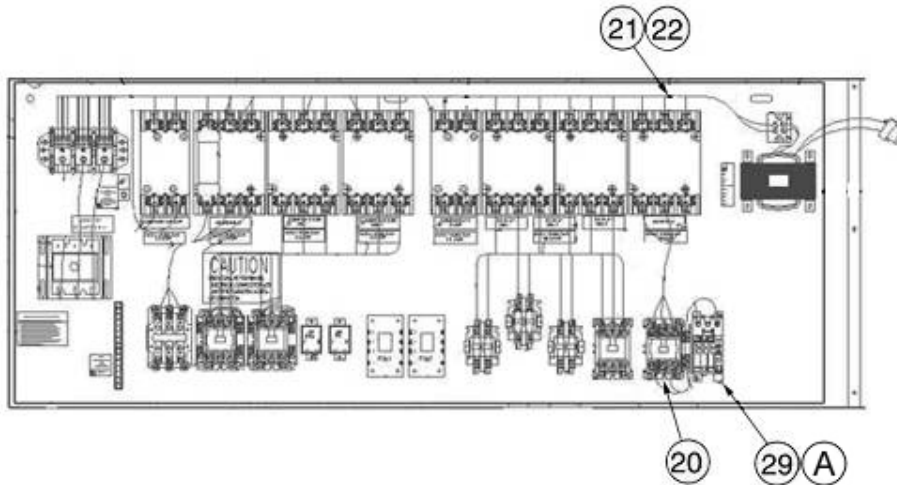
136241P12



136241P14

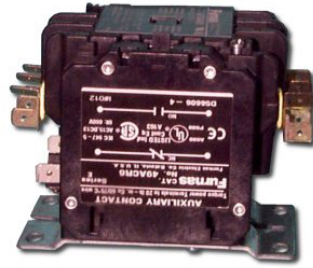
PART #	DESCRIPTION	VOLTS	Hp	
			10	15
136241P12	CB MCB 3P 240/415V ABBS273-K25	380/400/415V	1	
136241P14	CB MCB 3P 240/415V ABBS273-K20	380/400/415V		1

6.13 Motor – 60Hz, 208/230/460/575V



- 20 Contactor
- 21 Fuseblock
- 22 Fuse Dual Element
- 29 Overload Relay
- A Heater Class

6.13.1 Contactor



[Click here for pics of other contactors.](#)

Contactor Part Numbers 123273P1, 123280P1, and 124503P1 are supplied with Auxiliary Contacts.

PART #	DESCRIPTION	VOLTS	TONNAGE			
			6	8	10	30
124501P1	CONTACTOR 3PL 24VCOIL 15/20AMP	208/230V	1	1	1	
		460/575V	1	1	1	
124503P1	CONTACTOR 3PL 24V 15/20 1NO1NC	208/230V	1	1	1	
		460/575V	1	1	1	
E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	208/230V				1
E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	460/575V				1
123280P1	CONTACTOR 3PL 30/40 NO/NC	460/575V				1

15T, 208/230V

PART #	DESCRIPTION	Hp	
		3	5
124501P1	CONTACTOR 3PL 24VCOIL 15/20AMP	1	
124503P1	CONTACTOR 3PL 24V 15/20 1NO1NC	1	
E-0110	CONTACTOR 3PL 24VCOIL 40/50AMP		1
123273P1	CONTACTOR 3PL 25/30 NO/NC AUX		1

15T, 460/575V

PART #	DESCRIPTION	VOLTS	15 TON
124501P1	CONTACTOR 3PL 24VCOIL 15/20AMP	460/575V	1
124503P1	CONTACTOR 3PL 24V 15/20 1NO1NC	460/575V	1

20T

PART #	DESCRIPTION	VOLTS	Hp		
			5	7.5	10
E-0110	CONTACTOR 3PL 24VCOIL 40/50AMP	208/230V	1		
123273P1	CONTACTOR 3PL 25/30 NO/NC AUX	208/230V	1		
E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	208/230V		1	
123280P1	CONTACTOR 3PL 30/40 NO/NC AUX	208/230V		1	
E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	208/230V			1
124501P1	CONTACTOR 3PL 24VCOIL 15/20AMP	460/575V	1		
124503P1	CONTACTOR 3PL 24V 15/20 1NO1NC	460/575V	1		
E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	460/575V		1	1
123280P1	CONTACTOR 3PL 30/40 NO/NC AUX	460/575V		1	1

22T

PART #	DESCRIPTION	VOLTS	Hp	
			7.5	10
E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	208/230V	1	
123280P1	CONTACTOR 3PL 30/40 NO/NC AUX	208/230V	1	
E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	208/230V		1
E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	460/575V	1	1
123280P1	CONTACTOR 3PL 30/40 NO/NC AUX	460/575V	1	1

6.13.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
E-1020	FUSEBLOCK 250V 3P 030A	208/230V	1	1	1	1	1*			
E-1040	FUSEBLOCK 250V 3P 060A	208/230V					1*	1	1	
E-1050	FUSEBLOCK 600V 3P 030A	460/575V	1	1	1	1	1	1	1	1

*E-1020 is used on 20 Ton 208 & 230 Volt Units with 5Hp. Fan Motors.

*E-1040 is used on 20 Ton 208 & 230 Volt Units with 7.5Hp. & 10Hp. Fan Motors.

6.13.3 Fuse Dual Element



6/8/10/30T

PART #	DESCRIPTION	VOLTS	TONNAGE			
			6	8	10	30
E-6050	FUSE DUAL ELMNT 250V 45.0AMP	208/230V				3
E-2070	FUSE DUAL ELMNT 250V 15.0AMP	208/230V	3	3	3	
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	460/575V	3	3	3	
E-2020	FUSE DUAL ELMNT 600V 20.0AMP	460V				3
E-2730	FUSE DUAL ELMNT 600V 17.5AMP	575V				3

15T, 208V

PART #	DESCRIPTION	Hp	
		3	5
E-2070	FUSE DUAL ELEMENT 250V 15.0AMP	3	
E-2080	FUSE DUAL ELEMENT 250V 25.0AMP		3

15T, 230/460/575V

PART #	DESCRIPTION	VOLTS	15 TON
E-2070	FUSE DUAL ELMNT 250V 15.0AMP	230V	3
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	460/575V	3

20T

PART #	DESCRIPTION	VOLTS	Hp		
			5	7.5	10
E-2080	FUSE DUAL ELEMENT 250V 25.0AMP	208/230V	3		
E-1200	FUSE DUAL ELEMENT 250V 35.0AMP	208/230V		3	
E-6050	FUSE DUAL ELEMENT 250V 45.0AMP	208/230V			3
E-2730	FUSE DUAL ELEMENT 600V 17.5AMP	575V			3
E-2410	FUSE DUAL ELEMENT 600V 15.0AMP	575V	3	3	
		460V	3	3	
E-2020	FUSE DUAL ELEMENT 600V 20.0AMP	460V			3

22T

PART #	DESCRIPTION	VOLTS	Hp	
			7.5	10
E-1200	FUSE DUAL ELEMENT 250V 35.0AMP	208/230V	3	
E-6050	FUSE DUAL ELEMENT 250V 45.0AMP	208/230V		3
E-2730	FUSE DUAL ELEMENT 600V 17.5AMP	575V		3
E-2410	FUSE DUAL ELEMENT 600V 15.0AMP	575V	3	
		460V	3	
E-2020	FUSE DUAL ELEMENT 600V 20.0AMP	460V		3

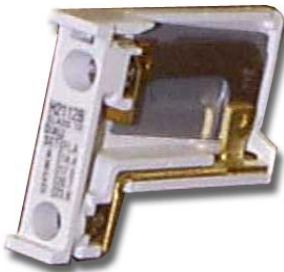
6.13.4 Overload Relay



Overload Relay

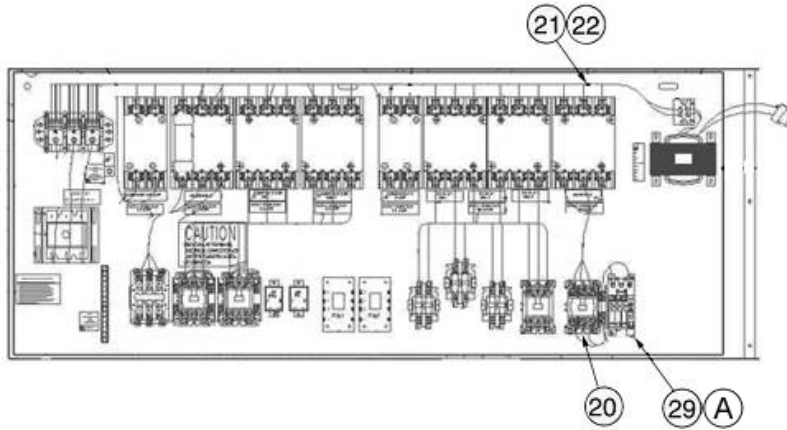
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
124547P1	OVERLOAD RELAY W/B MNT 32	ALL	1	1	1	1	1	1	1

6.13.5 Heater Class

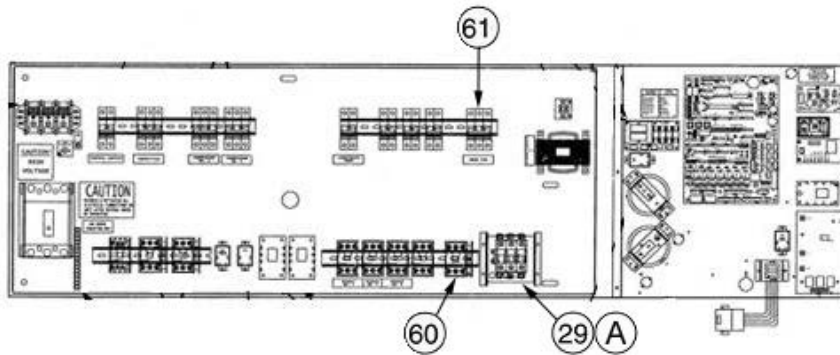


PART #	DESCRIPTION	Quantity
124549P1	HEATER CLASS 10 .283A-.420A C-H	3
124549P2	HEATER CLASS 10 .384A-.623A C-H	3
124549P3	HEATER CLASS 10 .570A-.924A C-H	3
124549P4	HEATER CLASS 10 .846A-1.37A C-H	3
124549P5	HEATER CLASS 10 1.28A-2.10A C-H	3
124549P6	HEATER CLASS 10 1.92A-3.15A C-H	3
124549P7	HEATER CLASS 10 2.30A-3.77A C-H	3
124549P8	HEATER CLASS 10 3.38A-5.54A C-H	3
124549P9	HEATER CLASS 10 4.96A-8.16A C-H	3
124549P10	HEATER CLASS 10 7.07A-11.6A C-H	3
124549P11	HEATER CLASS 10 9.6A-14.4A C-H	3
124549P12	HEATER CLASS 10 14.4A-23.8A C-H	3
124549P13	HEATER CLASS 10 18.7A-28.1A C-H	3
124549P14	HEATER CLASS 10 23.5A-34.8A C-H	3

6.14 Motor – 60Hz, 380V Fused/Circuit Breaker

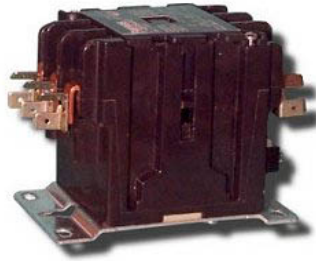


- | | | | |
|----|-------------------|----|----------------|
| 20 | Contactor | 29 | Overload Relay |
| 21 | Fuseblock | A | Heater |
| 22 | Fuse Dual Element | | |



- | | | | |
|----|----------------|----|---------------------|
| 29 | Overload Relay | 61 | Circuit Breaker MCB |
| 60 | Contactor | A | Heater |

6.14.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
124503P1	CONTACTOR 3PL 24V 15/20 1NO1NC	380/400/415V	1	1	1	1	1		
124501P1	CONTACTOR 3PL 24VCOIL 15/20AMP	380/400/415V	1	1	1	1	1		
E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	380/400/415V					1	1	1
123280P1	CONTACTOR 3PL 30/40 NO/NC AUX	300/400/415V					1	1	1

Contactor Part Numbers 123280P1 & 124503P1 are supplied with auxiliary contacts.
 Contactor Part Numbers 124503P1 & 124501P1 are used on 20 Ton units with 5Hp Fan Motors.
 Contactor Part Numbers E-009F & 123280P1 are used on 20 Ton units with 7.5Hp and 10Hp Fan Motors.



136221P1



136224P1



136223P1

6/8/10/15 T

PART #	DESCRIPTION	VOLTS	TONNAGE			
			6	8	10	15
136221P1	CONTACTOR 3P16IND/21RES24/50	380/400/415V	1	1	1	1
136231P1	CONTACTOR 3P16IND21RES24/50AUX	380/400/415V	1	1	1	1



136221P1



136223P1

20T

PART #	DESCRIPTION	VOLTS	Hp		
			5	7.5	10
136221P1	CONTACTOR 3P16IND/21RES24/50	380/400/415V	1		
136231P1	CONTACTOR 3P16IND21RES24/50AUX	380/400/415V	1		
136233P1	CONTACTOR 3P30IND40RES24//50AUX	380/400/415V		1	1
136223P1	CONTACTOR 3P30IND/40RES24	380/400/415V		1	1



136223P1

22T

PART #	DESCRIPTION	VOLTS	Hp	
			7.5	10
136233P1	CONTACTOR 3P30IND40RES24/50AUX	380/400/415V	1	1
136223P1	CONTACTOR 3P30IND/40RES24	380/400/415V	1	1



136223P1



136224P1

30T

PART #	DESCRIPTION	VOLTS	Hp	
			10	15
136223P1	CONTACTOR 3P30IND/40RES24	380/400/415V	1	
136224P1	CONTACTOR 3P40IND/55RES24	380/400/415V		1

6.14.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
E-1050	FUSEBLOCK 600V 3P 030A	380/400/415V	1	1	1	1	1

6.14.3 Fuse Dual Element



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/400/415V	3	3	3	3	3		
E-2020	FUSE DUAL ELMNT 600V 20.0AMP	380/400/415V					3	3	
E-3050	FUSE DUAL ELMNT 600V 25.0AMP	380/400/415V					3	3	3

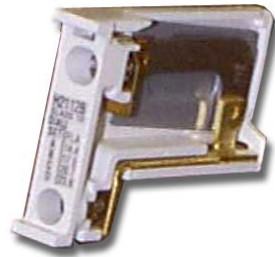
6.14.4 Overload Relay



Overload Relay

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
124547P1	OVERLOAD RELAY W/B MNT 32	ALL	1	1	1	1	1	1	1

6.14.5 Heater



PART #	DESCRIPTION	Quantity
124549P1	HEATER CLASS 10 .283A-.420A C-H	3
124549P2	HEATER CLASS 10 .384A-.623A C-H	3
124549P3	HEATER CLASS 10 .570A-.924A C-H	3
124549P4	HEATER CLASS 10 .846A-1.37A C-H	3
124549P5	HEATER CLASS 10 1.28A-2.10A C-H	3
124549P6	HEATER CLASS 10 1.92A-3.15A C-H	3
124549P7	HEATER CLASS 10 2.30A-3.77A C-H	3
124549P8	HEATER CLASS 10 3.38A-5.54A C-H	3
124549P9	HEATER CLASS 10 4.96A-8.16A C-H	3
124549P10	HEATER CLASS 10 7.07A-11.6A C-H	3
124549P11	HEATER CLASS 10 9.6A-14.4A C-H	3
124549P12	HEATER CLASS 10 14.4A-23.8A C-H	3
124549P13	HEATER CLASS 10 18.7A-28.1A C-H	3
124549P14	HEATER CLASS 10 23.5A-34.8A C-H	3

6.14.6 Circuit Breaker MCB



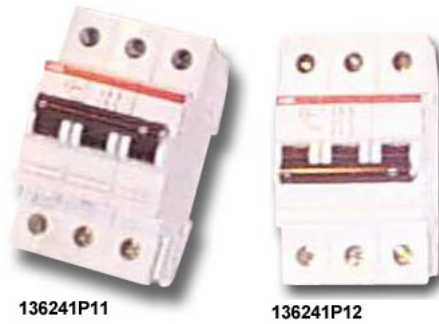
6/8/10/15T

PART #	DESCRIPTION	VOLTS	TONNAGE			
			6	8	10	15
136241P10	CB MCB 3P 240/415V ABBS273-K16	380/400/415V	1	1	1	1



20T

PART #	DESCRIPTION	VOLTS	Hp		
			5	7.5	10
136241P10	CB MCB 3P 240/415V ABBS273-K16	380/400/415V	1		
136241P11	CB MCB 3P 240/415V ABBS273-K20	380/400/415V		1	
136241P12	CB MCB 3P 240/415V ABBS273-K25	380/400/415V			1



22T

PART #	DESCRIPTION	VOLTS	Hp	
			7.5	10
136241P11	CB MCB 3P 240/415V ABBS273-K20	380/400/415V	1	
136241P12	CB MCB 3P 240/415V ABBS273-K25	380/400/415V		1



136241P12

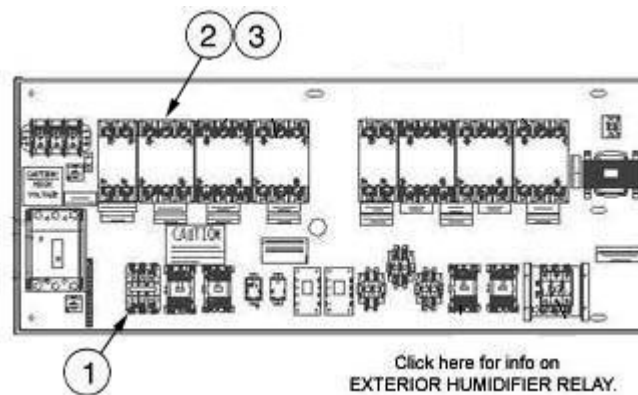


136241P14

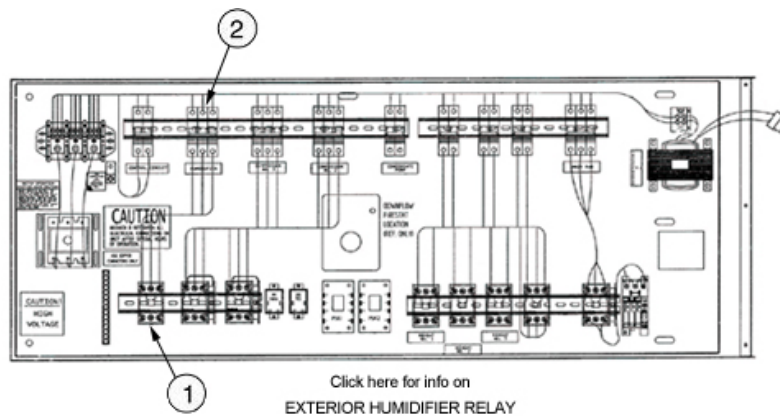
30T

PART #	DESCRIPTION	VOLTS	Hp	
			10	15
136241P12	CB MCB 3P 240/415V ABBS273-K25	380/400/415V	1	
136241P14	CB MCB 3P 240/415V ABBS273-K20	380/400/415V		1

6.15 Humidifier IR – 50Hz Fused/Circuit Breaker



- 1 Contactor
- 2 Fuseblock
- 3 Fuse Dual Element



- 1 Contactor
- 2 Circuit Breaker MCB

6.15.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	380/400/415V	1	1	1	1	1	1	1
E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380/400/415V	1						



136222P1



136224P1

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136222P1	CONTACTOR 3P23IND/32RES24/50	380/400/415V	1						
136224P1	CONTACTOR 3P40IND/55RES24	380/400/415V	1	1	1	1	1	1	1

6.15.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
E-1050	FUSEBLOCK 600V 3P 030A	380/400/415V	1	1	1	1	1

6.15.3 Fuse Dual Element



PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
E-2020	FUSE DUAL ELMNT 600V 20.0AMP	380/400/415V		3	3	3	3	3	3	3
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/400/415V	3							

6.15.4 Circuit Breaker MCB



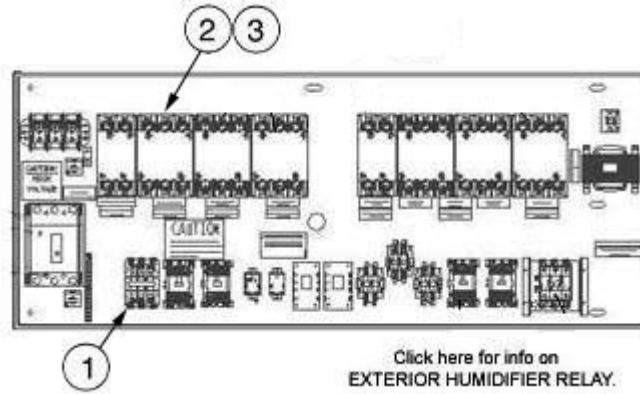
136241P10



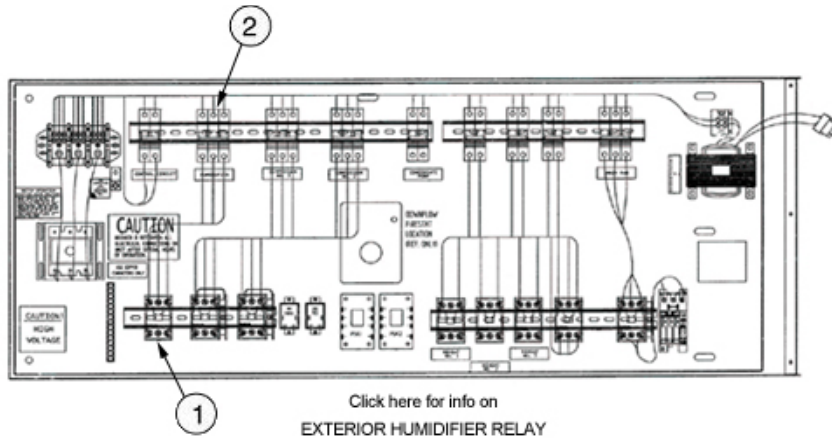
136241P11

PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
136241P10	CB MCB 3P 240/415V ABBS273-K16	380/400/415V	1							
136241P11	CB MCB 3P 240/415V ABBS273-K20	380/400/415V		1	1	1	1	1	1	1

6.16 Humidifier IR – 50Hz Fused/Circuit Breaker



- 1 Contactor
- 2 Fuseblock
- 3 Fuse Dual Element



- 1 Contactor
- 2 Circuit Breaker MCB

6.16.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	208V	1	1	1	1	1	1	1
		230V	1	1	1	1	1	1	1
		460V	1	1	1	1	1	1	1
		575V				1	1	1	1
E-011C	CONTACTOR 2PL 24VCOIL 40/50AMP	575V	1	1	1				



136222P1



136224P1

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136222P1	CONTACTOR 3P23IND/32RES24/50	380/400/415V	1						
136224P1	CONTACTOR 3P40IND/55RES24	380/400/415V	1	1	1	1	1	1	1

6.16.2 Fuseblock



E-6030



E-1020

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-1040	FUSEBLOCK 250V 3P 060A	208V	1	1	1	1	1	1	1
E-1020	FUSEBLOCK 250V 3P 030A	230V	1	1	1	1	1	1	1
E-1050	FUSEBLOCK 600V 3P 030A	460V	1	1	1	1	1	1	1
		575V				1	1	1	1
E-6030	FUSEBLOCK 600V 2P 030A	575V	1	1	1				

6.16.3 Fuse Dual Element



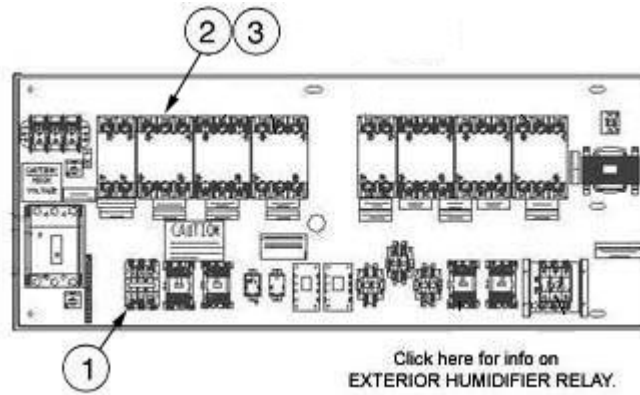
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-1200	FUSE DUAL ELMNT 250V 35.0AMP	208V	3	3	3	3	3	3	3
E-2090	FUSE DUAL ELMNT 250V 30.0AMP	230V	3	3	3	3	3	3	3
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	575V				3	3	3	3
E-2020	FUSE DUAL ELMNT 600V 20.0AMP	460V	3	3	3	3			
		575V	2	2	2				
E-2730	FUSE DUAL ELMNT 600V 17.5AMP	460V					3	3	3

6.16.4 Circuit Breaker MCB



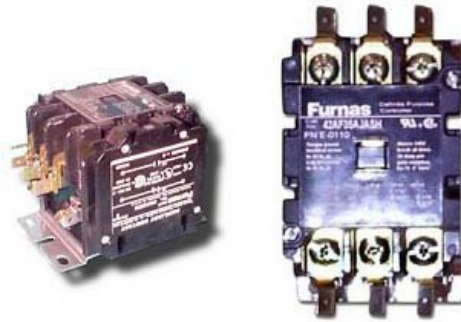
PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
136241P10	CB MCB 3P 240/415V ABBS273-K16	380/400/415V	1							
136241P11	CB MCB 3P 240/415V ABBS273-K20	380/400/415V	1	1	1	1	1	1	1	

6.17 Humidifier IR – 60Hz, 208/230/460/575V



- 1 Contactor
- 2 Fuseblock
- 3 Fuse Dual Element

6.17.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	208V	1	1	1	1	1	1	1
		230V	1	1	1	1	1	1	1
		460V	1	1	1	1	1	1	1
		575V				1	1	1	1
E-011C	CONTACTOR 2PL 24VCOIL 40/50AMP	575V	1	1	1				

6.17.2 Fuseblock



E-6030



E-1020

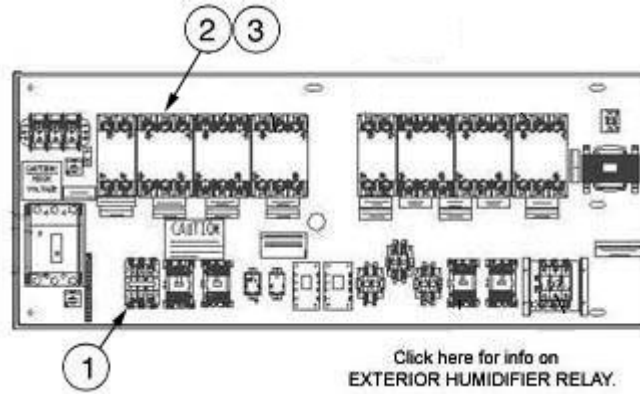
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-1040	FUSEBLOCK 250V 3P 060A	208V	1	1	1	1	1	1	1
E-1020	FUSEBLOCK 250V 3P 030A	230V	1	1	1	1	1	1	1
E-1050	FUSEBLOCK 600V 3P 030A	460V	1	1	1	1	1	1	1
		575V				1	1	1	1
E-6030	FUSEBLOCK 600V 2P 030A	575V	1	1	1				

6.17.3 Fuse Dual Element

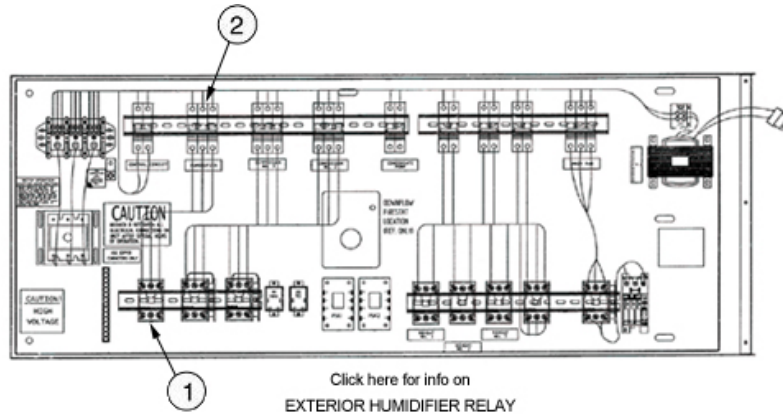


PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-1200	FUSE DUAL ELMNT 250V 35.0AMP	208V	3	3	3	3	3	3	3
E-2090	FUSE DUAL ELMNT 250V 30.0AMP	230V	3	3	3	3	3	3	3
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	575V				3	3	3	3
E-2020	FUSE DUAL ELMNT 600V 20.0AMP	460V	3	3	3	3			
		575V	2	2	2				
E-2730	FUSE DUAL ELMNT 600V 17.5AMP	460V					3	3	3

6.18 Humidifier IR – 60Hz, 380V Fused/Circuit Breaker



- 1 Contactor
- 2 Fuseblock
- 3 Fuse Dual Element



- 1 Contactor
- 2 Circuit Breaker MCB

6.18.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	380/400/415V	1	1	1	1	1	1	1
E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380/400/415V	1						



136222P1



136224P1

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136222P1	CONTACTOR 3P23IND/32RES24/50	380/400/415V	1						
136224P1	CONTACTOR 3P40IND/55RES24	380/400/415V	1	1	1	1	1	1	1

6.18.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
E-1050	FUSEBLOCK 600V 3P 030A	380/400/415V	1	1	1	1	1

6.18.3 Fuse Dual Element



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-2020	FUSE DUAL ELMNT 600V 20.0AMP	380/400/415V		3	3	3	3	3	3
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/400/415V	3						

6.18.4 Circuit Breaker MCB



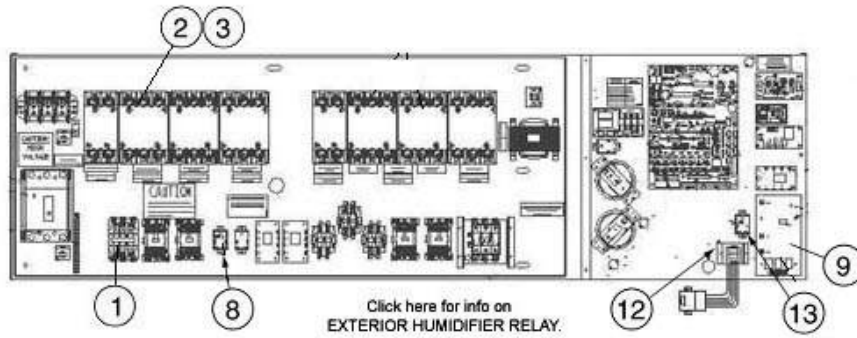
136241P10



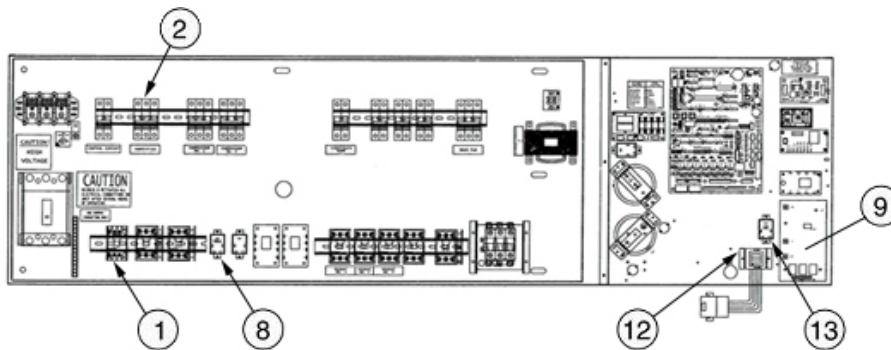
136241P11

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136241P10	CB MCB 3P 240/415V ABBS273-K16	380/400/415V	1						
136241P11	CB MCB 3P 240/415V ABBS273-K20	380/400/415V		1	1	1	1	1	1

6.19 Humidifier Steam Gen – 50Hz Fused/Circuit Breaker



- 1 Contactor
- 2 Fuseblock
- 3 Fuse Dual Element
- 8 Relay
- 9 PWA Control
- 12 SW Manual Drain
- 13 Relay



- 1 Contactor
- 2 Circuit Breaker MCB
- 8 Relay
- 9 PWA Control
- 12 SW Manual Drain
- 13 Relay

6.19.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380/400/415V	1	1	1	1	1	1	1



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136222P1	CONTACTOR 3P23IND/32RES24/50	380/400/415V	1	1	1	1	1	1	1

6.19.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
E-1050	FUSEBLOCK 600V 3P 030A	380/400/415V	1	1	1	1	1

6.19.3 Fuse Dual Element



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/400/415V	3						
E-2730	FUSE DUAL ELMNT 600V 17.5AMP	380/400/415V	3	3	3	3	3	3	

6.19.4 Relay



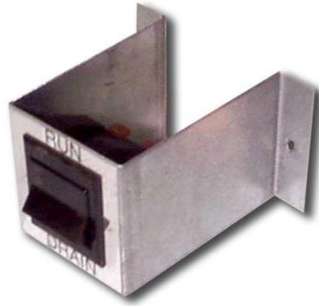
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E03-0170	RELAY 1P2T 24V 50/60HZ	24V 50/60 Hz	1	1	1	1

6.19.5 PWA Control



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
140654P1	PWA CNTL STM GEN HUM 2	380/400/415V	1	1	1	1	1	1	1

6.19.6 SW Manual Drain



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
121794P1	SW MANUAL DRAIN HUM (H-TYPE)	ALL	1	1	1	1	1	1	1

6.19.7 Circuit Breaker MCB



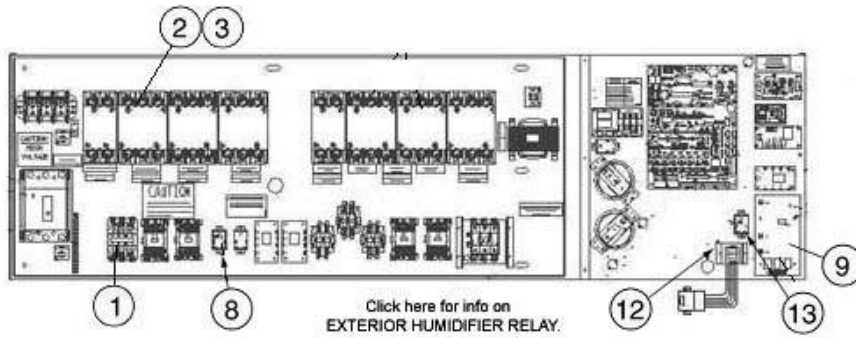
136241P10



136241P11

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136241P10	CB MCB 3P 240/415V ABBS273-K16	380/400/415V	1						
136241P11	CB MCB 3P 240/415V ABBS273-K20	380/400/415V	1	1	1	1	1	1	1

6.20 Humidifier Steam Gen – 60Hz, 208/230/460/575V



- | | | | |
|---|-------------------|----|-------------------|
| 1 | Contactor | 9 | Hum Control Board |
| 2 | Fuseblock | 12 | SW Manual Drain |
| 3 | Fuse Dual Element | 13 | Relay |
| 8 | Relay | | |

6.20.1 Contactor



E-009F



E-0110

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-009F	CONTACTOR 3PL 24VCOIL 30/40AMP	208V				1	1	1	1
E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	208V	1	1	1				
		230V	1	1	1	1	1	1	1
		460/575V	1	1	1	1	1	1	1

6.20.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-1020	FUSEBLOCK 250V 3P 030A	208V	1	1	1				
		230V	1	1	1	1	1	1	1
E-1040	FUSEBLOCK 600V 3P 060A	208V				1	1	1	1
E-1050	FUSEBLOCK 600V 3P 030A	460V	1	1	1	1	1	1	1
		575V	1	1	1	1	1	1	1

6.20.3 Fuse Dual Element



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-1200	FUSE DUAL ELMNT 250V 35.0AMP	208V				3	3	3	3
E-2740	FUSE DUAL ELMNT 250V 17.5AMP	208V	3	3	3				
E-2090	FUSE DUAL ELMNT 250V 30.0AMP	230V				3	3	3	3
E-2070	FUSE DUAL ELMNT 250V 15.0AMP	230V	3	3	3				
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	460V	3	3	3	3	3	3	3
		575V	3	3	3	3	3	3	3

6.20.4 Relay



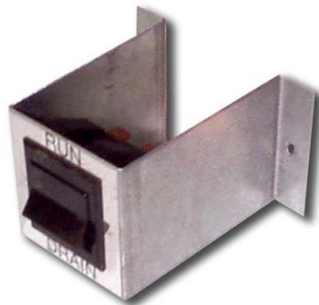
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E03-0170	RELAY 1P2T 24V 50/60HZ	24V 50/60 Hz	1	1	1	1

6.20.5 Humidifier Control Board



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
183116P1S	KIT HUMIDIFIER CONTROL BOARD	ALL	1	1	1	1	1	1	1

6.20.6 SW Manual Drain



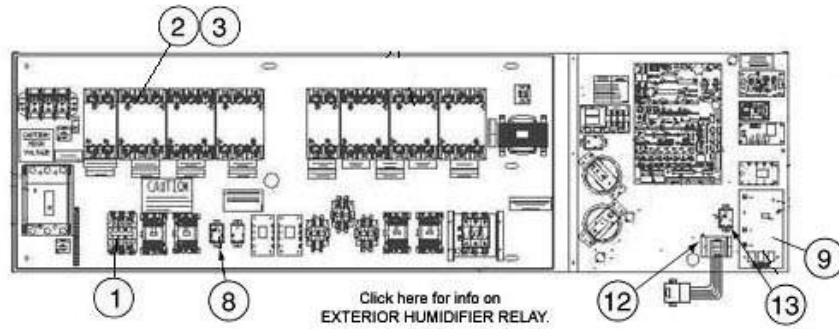
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
121794P1	SW MANUAL DRAIN HUM (H-TYPE)	ALL	1	1	1	1	1	1	1

6.20.7 Relay

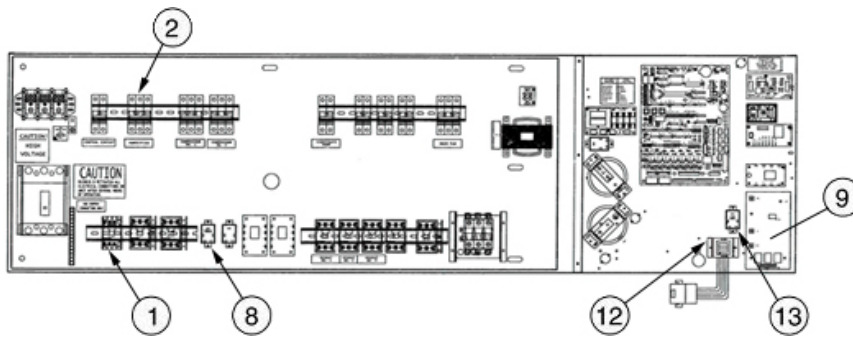


PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E03-0170	RELAY 1P2T 24V 50/60HZ	24V 50/60 Hz	1	1	1	1

6.21 Humidifier Steam Gen – 60Hz, 380V Fused/Circuit Breaker



- 1 Contactor
- 2 Fuseblock
- 3 Fuse Dual Element
- 8 Relay
- 9 PWA Control
- 12 SW Manual Drain
- 13 Relay



- 1 Contactor
- 2 Circuit Breaker MCB
- 8 Relay
- 9 PWA Control
- 12 SW Manual Drain
- 13 Relay

6.21.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380/400/415V	1	1	1	1	1	1	1



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136222P1	CONTACTOR 3P23IND/32RES24/50	380/400/415V	1	1	1	1	1	1	1

6.21.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE				
			6-8	10-15	20	22	30
E-1050	FUSEBLOCK 600V 3P 030A	380/400/415V	1	1	1	1	1

6.21.3 Fuse Dual Element



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/400/415V	3						
E-2730	FUSE DUAL ELMNT 600V 17.5AMP	380/400/415V	3	3	3	3	3	3	

6.21.4 Relay



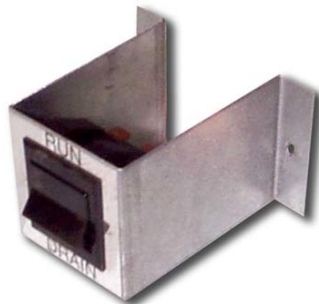
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E03-0170	RELAY 1P2T 24V 50/60HZ	24V 50/60 Hz	1	1	1	1

6.21.5 PWA Control



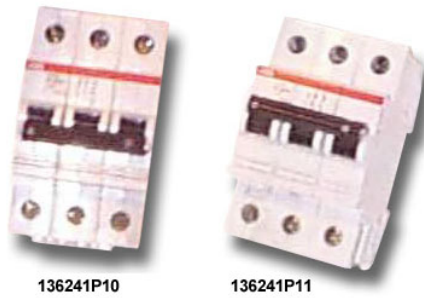
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
140654P1	PWA CNTL STM GEN HUM 2	380/400/415V	1	1	1	1	1	1	1

6.21.6 SE Manual Drain



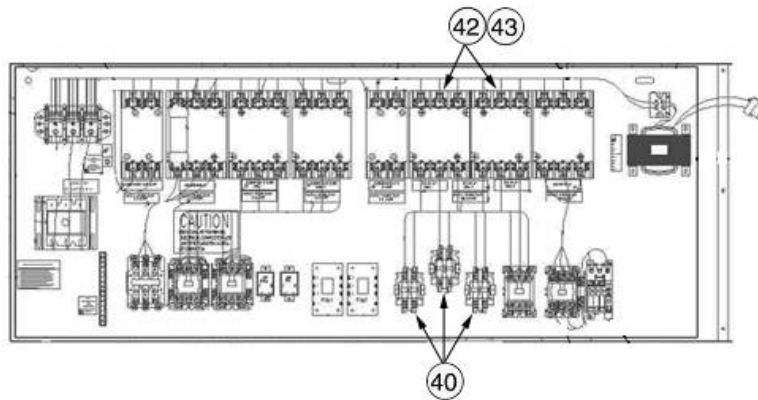
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
121794P1	SW MANUAL DRAIN HUM (H-TYPE)	380/400/415V	1	1	1	1	1	1	1

6.21.7 Circuit Breaker

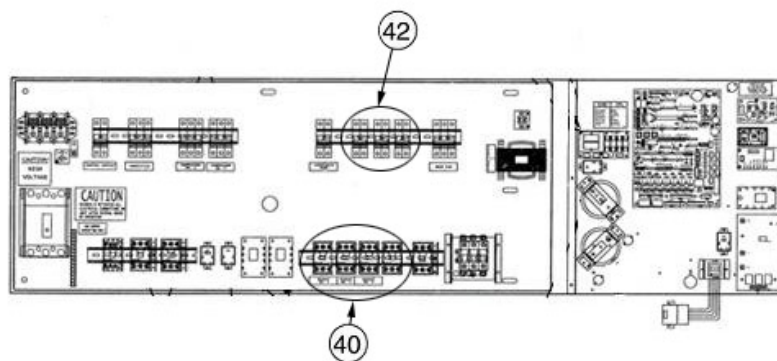


PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
136241P10	CB MCB 3P 240/415V ABBS273-K16	380/400/415V	1							
136241P11	CB MCB 3P 240/415V ABBS273-K20	380/400/415V		1	1	1	1	1	1	1

6.21 Reheat 1Stage – 50Hz Fused/Circuit Breaker



- 40 Contactor
- 42 Fuseblock
- 43 Fuse Dual Element



- 40 Contactor
- 42 Circuit Breaker MCB

6.21.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	ALL	2	2	2	2	2	2	2	2



PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
136222P1	CONTACTOR 3P23IND/32RES24/50	380/400/415V	2	2	2	2	2	2	2	2

6.21.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-6030	FUSEBLOCK 600V 2P 030A	380/400/415V	1	1	1	1

6.21.3 Fuse Dual Element



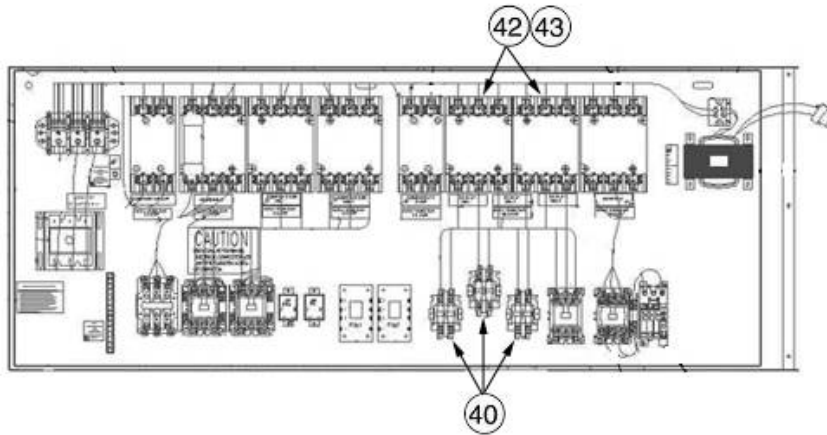
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	300/400/415V	2	2	2				
E-1100	FUSE DUAL ELMNT 600V 30.0AMP	300/400/415V				2	2	2	2

6.21.4 Circuit Breaker MCB



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136240P10	CB MCB 2P 240/415V ABBS272-K16	380/400/415V	2	2	2				
136240P13	CB MCB 2P 240/415V ABBS272-K32					2			
136240P14	CB MCB 2P 240/415V ABBS272-K40						2	2	2

6.22 Reheat 1Stage – 60Hz, 208/230/460/575V



- 40 Contactor
- 42 Fuseblock
- 43 Fuse Dual Element

6.22.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	208/230V	2	2	2				
		460/575V	2	2	2	2	2	2	2
E-011C	CONTACTOR 2PL 24VCOIL 40/50AMP	208/230V				2	2	2	2

6.22.2 Fuseblock



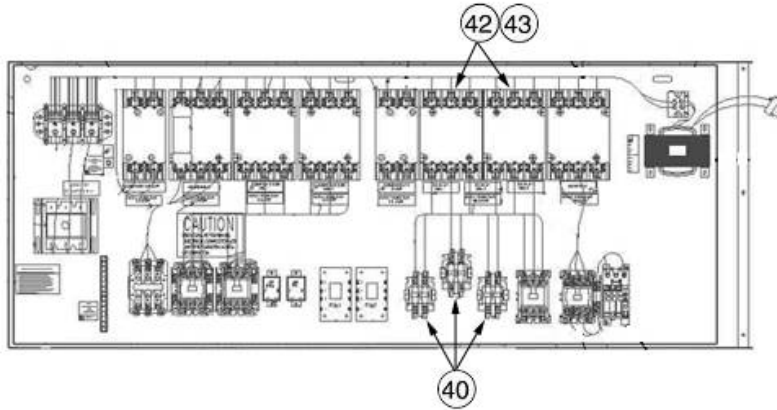
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-6030	FUSEBLOCK 600V 2P 030A	460/575V	1	1	1	1	1	1	1
E-6040	FUSEBLOCK 250V 2P 030A	208V	1						
		230V	1	1	1				
129629P1	FUSEBLOCK 250V 2P 060A	208V		1	1	1	1	1	1
		230V				1	1	1	1

6.22.3 Fuse Dual Element

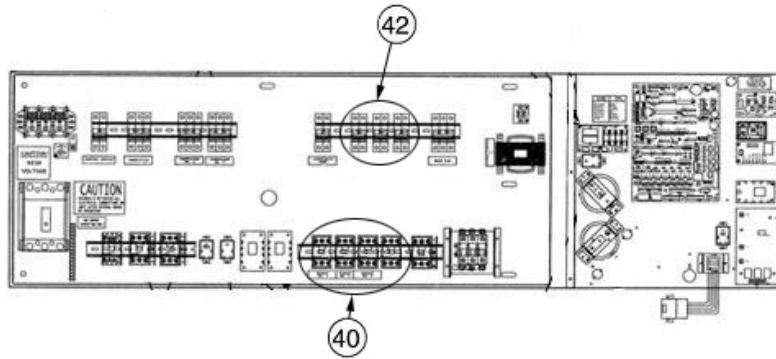


PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-1200	FUSE DUAL ELMNT 250V 35.0AMP	208V		2	2				
E-2090	FUSE DUAL ELMNT 250V 30.0AMP	230V		2	2				
E-1160	FUSE DUAL ELMNT 250V 60.0AMP	208V				2	2	2	2
		230V					2	2	2
E-3060	FUSE DUAL ELMNT 250V 50.0AMP	230V				2			
E-1230	FUSE DUAL ELMNT 250V 20.0AMP	208/230V	2						
E-1100	FUSE DUAL ELMNT 600V 30.0AMP	460V					2	2	2
E-3050	FUSE DUAL ELMNT 600V 25.0AMP	460V				2			
		575V				2	2	2	2
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	460/575V	2	2	2				

6.23 Reheat 1Stage – 60Hz, 380V Fused/Circuit Breaker



- 40 Contactor
- 42 Fuseblock
- 43 Fuse Dual Element



- 40 Contactor
- 42 Circuit Breaker MCB

6.23.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	ALL	2	2	2	2	2	2	2



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136222P1	CONTACTOR 3P23IND/32RES24/50	380/400/415V	2	2	2	2	2	2	2

6.23.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
E-6030	FUSEBLOCK 600V 2P 030A	380/400/415V	1	1	1	1

6.23.3 Fuse Dual Element



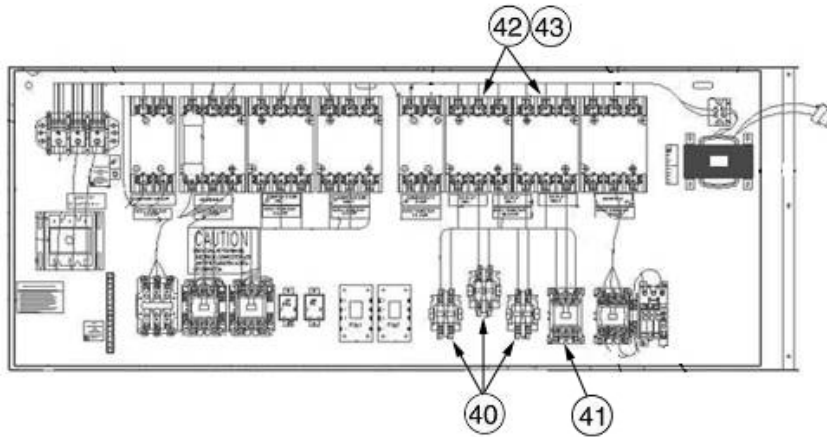
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	300/400/415V	2	2	2				
E-1100	FUSE DUAL ELMNT 600V 30.0AMP	300/400/415V				2	2	2	2

6.23.4 Circuit Breaker MCB

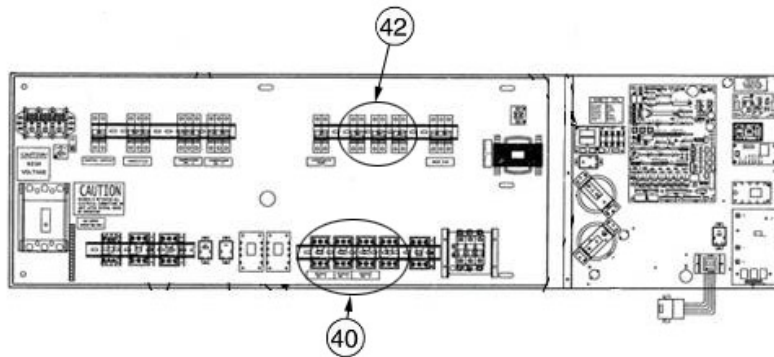


PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136240P10	CB MCB 2P 240/415V ABBS272-K16	380/400/415V	2	2	2				
136240P13	CB MCB 2P 240/415V ABBS272-K32					2			
136240P14	CB MCB 2P 240/415V ABBS272-K40						2	2	2

6.24 Reheat 3Stage – 50Hz Fused/Circuit Breaker



- 40 Contactor 2PL
- 41 Contactor 3PL
- 42 Fuseblock
- 43 Fuse Dual Element



- 40 Contactor
- 42 Circuit Breaker MCB

6.24.1 Contactor 2PL



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	380/400/415V	3	3	3	3	3	3	3

6.24.2 Contactor 3PL



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380/400/415V	1	1	1	1	1	1	1

6.24.3 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136222P1	CONTACTOR 3P23IND/32RES24/50	380/400/415V	4	4	4	4	4	4	4

6.24.4 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-1050	FUSEBLOCK 600V 3P 030A	380/400/415V	2	2	2	2			
E-105A	FUSEBLOCK 600V 3P 060A	380/400/415V					2	2	2

6.24.5 Fuse Dual Element



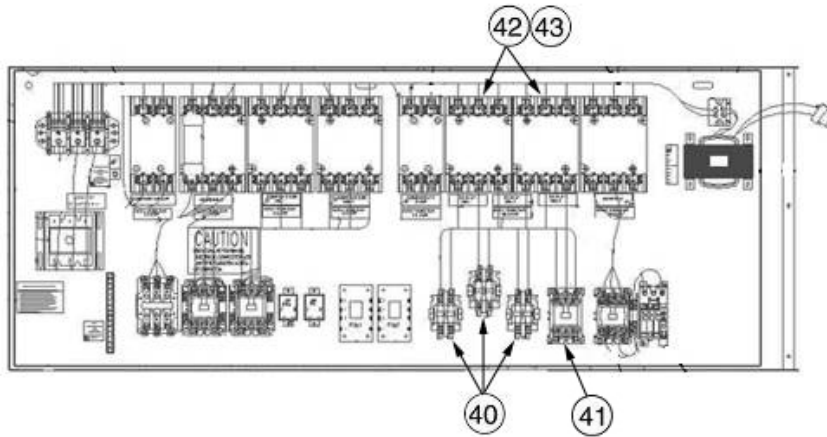
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/400/415V	6	6	6				
E-1100	FUSE DUAL ELMNT 600V 30.0AMP	380/400/415V				6			
E-2021	FUSE DUAL ELMNT 600V 35.0AMP	380/400/415V					6	6	6

6.24.6 Circuit Breaker MCB



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136240P10	CB MCB 2P 240/415V ABBS272-K16	380/400/415V	3	3	3				
136240P13	CB MCB 2P 240/415V ABBS272-K32					3			
136240P14	CB MCB 2P 240/415V ABBS272-K40						3	3	3

6.25 Reheat 3Stage – 60Hz, 208/230/460/575V



- 40 Contactor 2PL
- 41 Contactor 3PL
- 42 Fuseblock
- 43 Fuse Dual Element

6.25.1 Contactor 2PL



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	208/230V	3	3	3				
		460/575V	3	3	3	3	3	3	3
E-011C	CONTACTOR 2PL 24VCOIL 40/50AMP	208/230V				3	3	3	3

6.25.2 Contactor 3PL



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	208/230V	1	1	1				
		460/575V	1	1	1	1	1	1	1
E-0100	CONTACTOR 3PL 24VCOIL 40/50AMP	208/230V				1	1	1	1

6.25.3 Fuseblock



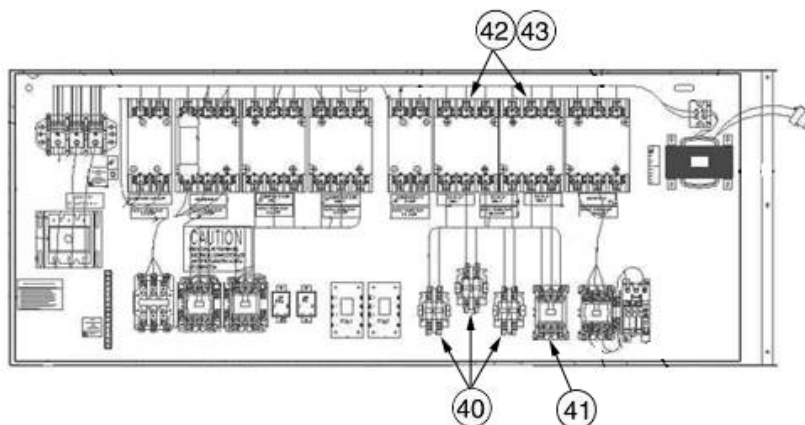
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-1020	FUSEBLOCK 250V 3P 030A	208V	2						
		230V	2	2	2				
E-1040	FUSEBLOCK 250V 3P 060A	208V		2	2	2	2	2	2
		230V				2	2	2	2
E-1050	FUSEBLOCK 600V 3P 030A	460/575V	2	2	2	2	2	2	2

6.25.4 Fuse Dual Element

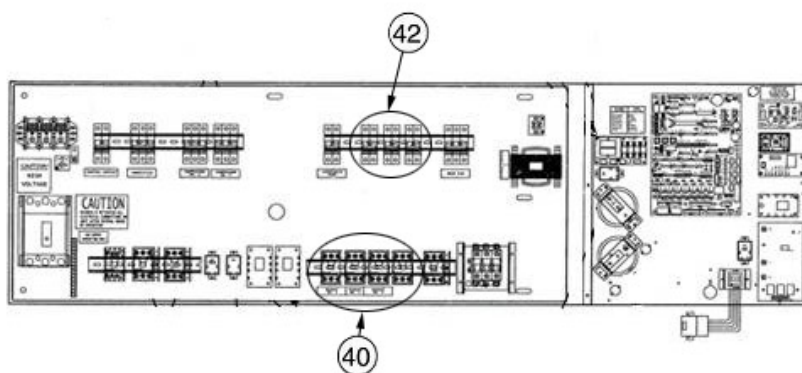


PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
E-1230	FUSE DUAL ELMNT 250V 20.0AMP	208V/230	6							
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	460/575V	6	6	6					
E-1200	FUSE DUAL ELMNT 250V 35.0AMP	208V		6	6					
E-2090	FUSE DUAL ELMNT 250V 30.0AMP	230V		6	6					
E-1160	FUSE DUAL ELMNT 250V 60.0AMP	208V				6	6	6	6	
		230V					6	6	6	
E-3060	FUSE DUAL ELMNT 250V 50.0AMP	230V				6				
E-1100	FUSE DUAL ELMNT 600V 30.0AMP	460V					6	6	6	
E-3050	FUSE DUAL ELMNT 600V 25.0AMP	460V				6				
		575V				6	6	6	6	

6.26 Reheat 3Stage – 60Hz, 380V Fused/Circuit Breaker



- 40 Contactor 2PL
- 41 Contactor 3PL
- 42 Fuseblock
- 43 Fuse Dual Element



- 40 Contactor
- 42 Circuit Breaker MCB

6.26.1 Contactor



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-011A	CONTACTOR 2PL 24VCOIL 20/30AMP	380/400/415V	3	3	3	3	3	3	3



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-0110	CONTACTOR 3PL 24VCOIL 25/30AMP	380/400/415V	1	1	1	1	1	1	1



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136222P1	CONTACTOR 3P23IND/32RES24/50	380/400/415V	4	4	4	4	4	4	4

6.26.2 Fuseblock



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-1050	FUSEBLOCK 600V 3P 030A	380/400/415V	2	2	2	2			
E-105A	FUSEBLOCK 600V 3P 060A	380/400/415V					2	2	2

6.26.3 Fuse Dual Element



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-2410	FUSE DUAL ELMNT 600V 15.0AMP	380/400/415V	6	6	6				
E-1100	FUSE DUAL ELMNT 600V 30.0AMP	380/400/415V				6			
E-2021	FUSE DUAL ELMNT 600V 35.0AMP	380/400/415V					6	6	6

6.26.4 Circuit Breaker MCB

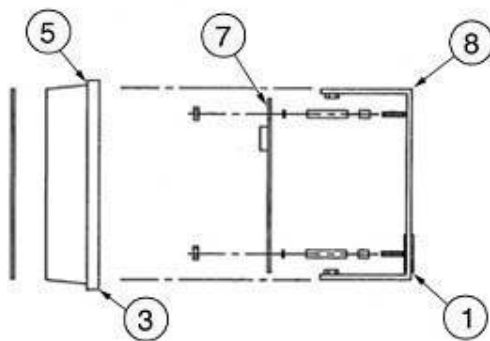
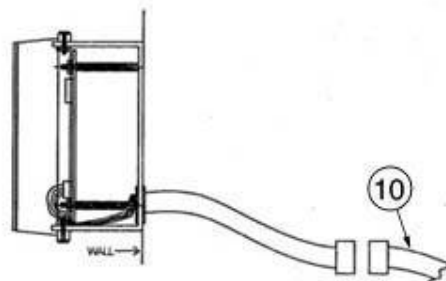


PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
136240P10	CB MCB 2P 240/415V ABBS272-K16	380/400/415V	3	3	3				
136240P13	CB MCB 2P 240/415V ABBS272-K32					3			
136240P14	CB MCB 2P 240/415V ABBS272-K40						3	3	3

6.27 Remote Sensor

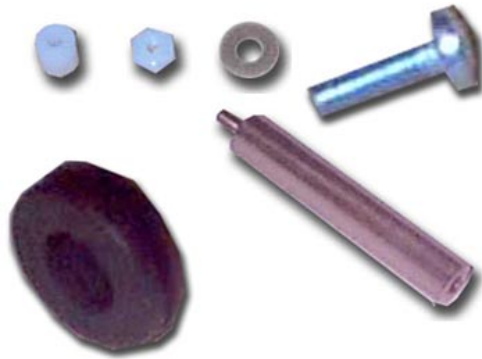


FRONT VIEW
TWO PLASTIC BOX COVER



- 1 Bushing Rubber
- 3 Box Plastic Wall
- 5 Label
- 7 PWA SMT Temp
- 8 T/H Box
- 10 WH-LV T/H

6.27.1 Bushing Rubber



PART #	DESCRIPTION	QTY
E-0800	BUSHING RBR 1/2" I.D. x 1" O.D.	1
G-2850	SPACER NYLON 1/4" O.D. x .25" Lg. #4	4
4A10179P1	SCREW M PH PHL Z 6-32 x 7/16	2
S-5330	NUT HEX MACH NYLON #4-40	4
G-118A	WASHER FIBER #40 1/4" O.D. x 1/16" I.D.	4
G-4040	SPACER STANDOFF 1/4" x 1-1/2" 4-40M	4

6.27.2 Box Plastic Wall



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
G03-001A	BOX PLASTIC (WALL MOUNTED)	ALL	1	1	1	1	1	1	1

6.27.3 Label



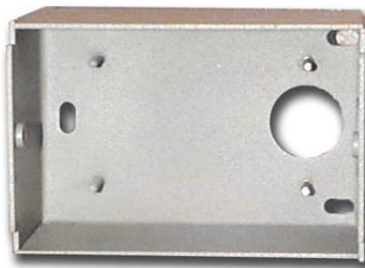
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
Y-2130	LABEL S3 SENSOR WALLBOX	ALL	1	1	1	1	1	1	1

6.27.4 PWA SMT Temp



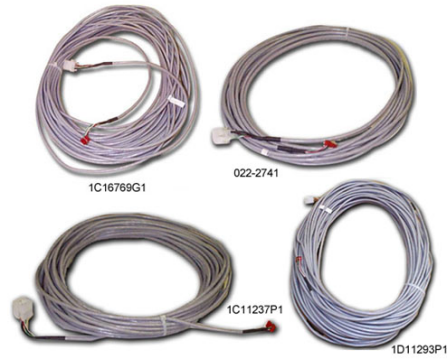
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
4C13121G4	PWA SMT TEMP/HUM GEN EAST	ALL	1	1	1	1

6.27.5 T/H Box



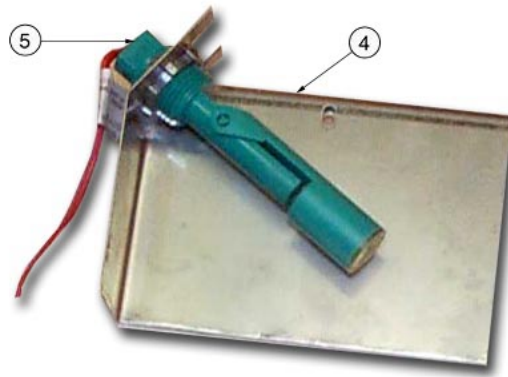
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
020-0482	BOX T/H SURFACE MNT ASSY	ALL	1	1	1	1	1	1	1

6.27.6 Cables



PART #	DESCRIPTION	6/8/10/15/20/22/30 Ton
022-2741	WH LV T/H SNSR REM 30FT	1
1C11237P1	WH LV T/H SNSR REM 60FT	1
1C16769G1	CABLE ASSY LV T/H SNSR REM 90'	1
1C16770G1	CABLE ASSY LV T/H SNSR REM 120'	1
1D11293P1	WH LV T/H SNSR REM 150FT	1

6.28 Remote Sensor



- 4 Bracket
- 5 Liquid Level Switch

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1A18786P1	RELAY T/D 24V 5SEC	208/230V	1	1	1	1	1	1	1
		460/575V	1	1	1	1	1	1	1
1C19981G2	ALARM HIGH WATER SYS3	208/230V	1	1	1	1	1	1	1
		460/575V	1	1	1	1	1	1	1

6.28.1 Bracket



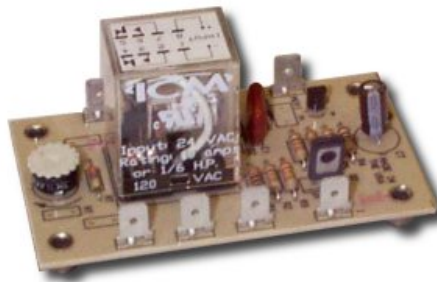
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C18661P2	BRKT HUM MTG LIQ LEV SW DX	ALL	1	1	1	1	1	1	1

6.28.2 Liquid Level Switch



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1A18660P1	SW LEVEL LIQUID GEMS LS-7	ALL	1	1	1	1	1	1	1

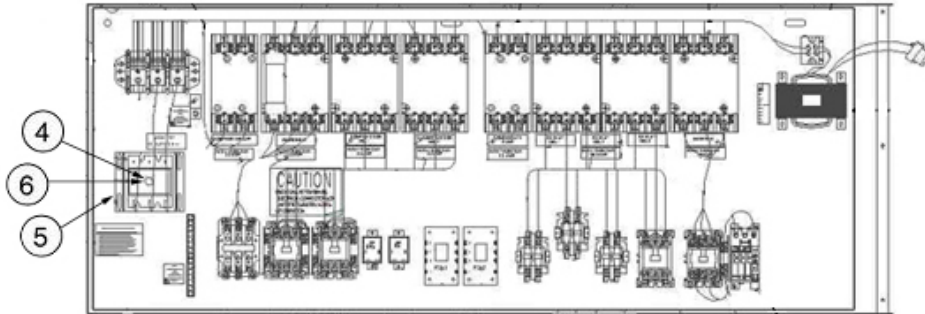
6.29 Auto Restart



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-3530	RELAY T/D 24V 2P2T ADJ 90SEC	ALL	1	1	1	1	1	1	1

6.30 Panel Disconnect - 50Hz (Fused/CB)/60Hz 380 (Fused/CB)

6.30.1 Klockner Moeller Disconnect



- 4 Collar Locking
- 5 Disconnect Bracket
- 6 Switch Disconnect

6.30.1.1 Collar Locking



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C18354P1	COLLAR LKG DISC W/2 SCREWS KM	380/400/415V	1	1	1	1	1	1	1

6.30.1.2 Disconnect Bracket



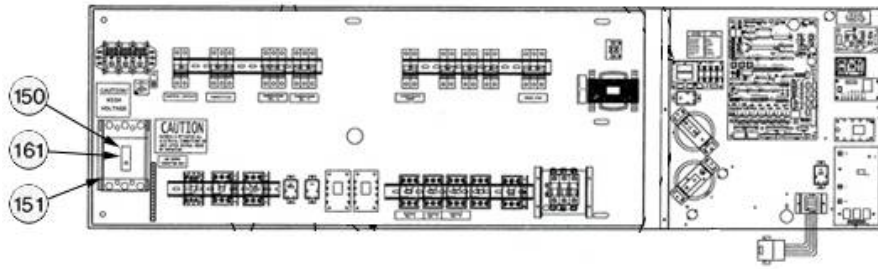
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C18603P1	BRKT DISC K/M	380/400/415V	1	1	1	1	1	1	1

6.30.1.3 Switch Disconnect



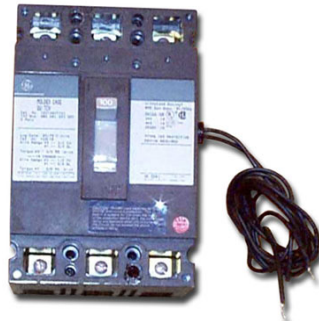
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C18351P1	SW DISC 600V 3PL 100A	380/400/415V				1	1	1	1
1C18351P2	SW DISC 600V 3PL 60A	380/400/415V	1	1	1				

6.30.2 General Electric Disconnect



- 150 Disconnect Switch
- 151 Disconnect Bracket
- 161 Switch Disconnect

6.30.2.1 Disconnect Switch



PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
E02-2880	SW DISC 480V 3PL 100A 120V	380/400/415V	1	1	1	1	1	1	1	1

6.30.2.2 Disconnect Bracket



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
F02-2130	BRKT LKDISC OPER 100	ALL	1	1	1	1	1	1	1
F02-2150	BRKT NON LKDISC OPER 100	ALL	1	1	1	1	1	1	1

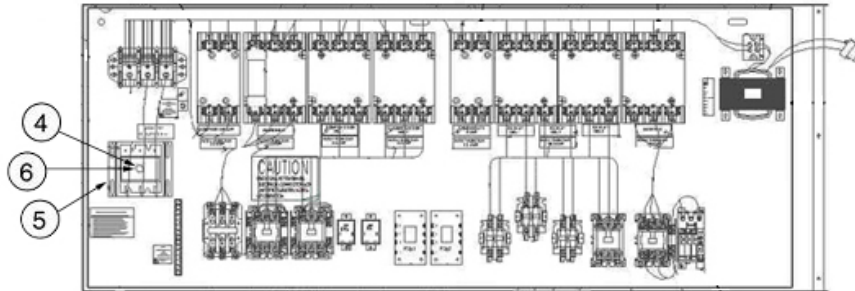
6.30.2.3 Switch Disconnect



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-288A	SW DISC LOKG HANDLE ROTARY	ALL	1	1	1	1	1	1	1
E-288B	SW DISC LOKG RING CATCH	ALL	1	1	1	1	1	1	1

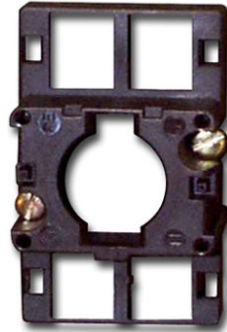
6.31 Panel Disconnect - 60Hz - 208/230/460/575V

6.31.1 Klockner Moeller Disconnect



- 4 Collar Locking
- 5 Disconnect Bracket
- 6 Switch Disconnect

6.31.1.1 Collar Locking



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C18354P1	COLLAR LKG DISC W/2 SCREWS KM	208/230V	1	1	1				
		460/575V	1	1	1	1	1	1	1

6.31.1.2 Disconnect Bracket



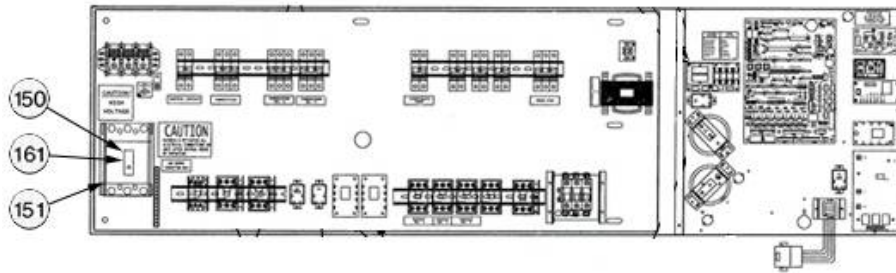
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C18603P1	BRKT DISC K/M	208/230V	1	1	1				
		460/575V	1	1	1	1	1	1	1

6.31.1.3 Switch Disconnect



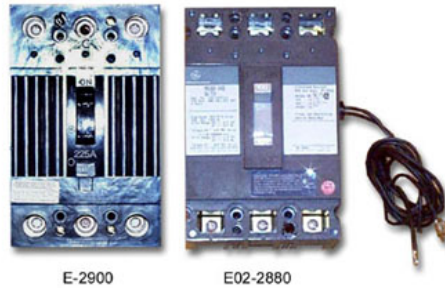
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C18351P1	SW DISC 600V 3PL 100A	208/230V	1	1	1				
		460/575V				1	1	1	1
1C18351P2	SW DISC 600V 3PL 60A	208/230V							
		460/575V	1	1	1				

6.31.2 General Electric Disconnect



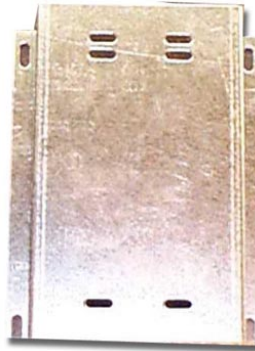
- 150 Switch Disconnect
- 151 Disconnect Bracket
- 161 Switch Disconnect Locking

6.31.2.1 Switch Disconnect



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-2900	SW DISC 240V 3PL 225A	208/230V				1	1	1	1
*E02-2900	SW DISC 240V 3PL 225A 120V	208/230V				1	1	1	1
*E02-2880	SW DISC 480V 3PL 100A 120V	460V	1	1	1	1	1	1	1
*E02-2890	SW DISC 240V 3PL 100A 120V	208/230V	1	1	1				
*E02-2910	SW DISC 600V 3PL 100A 120V	575V	1	1	1	1	1	1	1

6.31.2.2 Disconnect Bracket



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
F02-2130	BRKT LKDISC OPER 100	208/230V	1	1	1				
		460/575V	1	1	1	1	1	1	1
F02-2140	BRKT LKDISC OPER 225	208/230V				1	1	1	1
The above parts are used for Locking Disconnect.									
F02-2150	BRKT NON LKDISC OPER 100	208/230V	1	1	1				
		460V	1	1	1	1	1	1	
		575V	1	1	1	1	1	1	1
F02-2160	BRKT NON LKDISC OPER 225	208/230V				1	1	1	1
		460V							1
The above parts are used for Non-Locking Disconnect.									

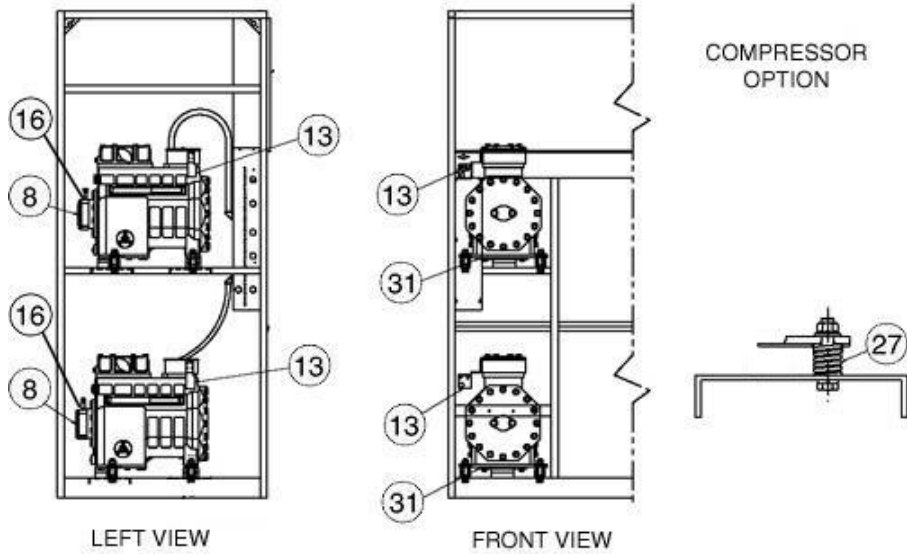
6.31.2.3 Switch Disconnect Locking



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-288A	SW DISC LOKG HANDLE ROTARY	208/230V	1	1	1				
		460/575V	1	1	1	1	1	1	1
E-290A	SW DISC LOKG HANDLE ROTARY	208/230V				1	1	1	1
E-288B	SW DISC LOKG RING CATCH	208/230V	1	1	1	1	1	1	1
		460/575V	1	1	1	1	1	1	1

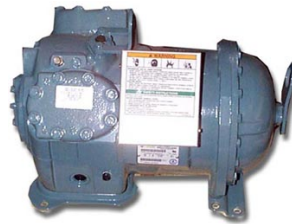
7.0 Compressor Section

7.1 6T



- | | | | |
|----|--------------------------|----|------------------|
| 8 | Compressor | 27 | Spring Retainer |
| 13 | Pressure Switch Assembly | 31 | Crankcase Heater |
| 16 | Gasket Valve | | |

7.1.1 Compressor



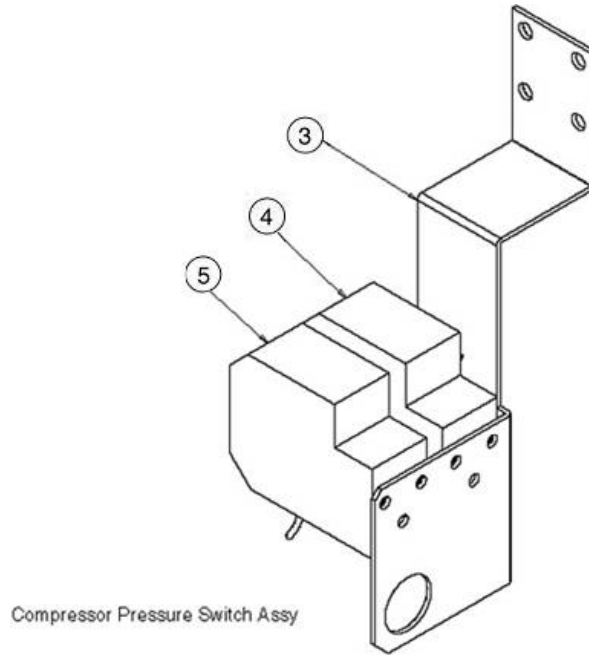
PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C16603P1	06DA8086GC3200	COMP S/HERM 208/230-3-60	208/230-3-60
1C16603P2	06DA8086GC3600	COMP S/HERM 460-3-60	380/415-3-50 460-3-60
1C16603P3	06DA8086GC3100	COMP S/HERM 575-3-60	575-3-60
1C16603P5	N/A	COMP S/HERM 380-3-60	380-3-60

Carlyle

PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
C-050A	N/A	COMP S/HERM 400/60-3-5/6	380/415-3-50 460-3-60
C-050B	N/A	COMP S/HERM 200/30-3-5/6	200/230-3-60
C-050C	N/A	COMP S/HERM 575-3-60 ERF1-0300	575-3-60

Copeland

7.1.2 Pressure Switch Assembly – Carlyle/Copeland

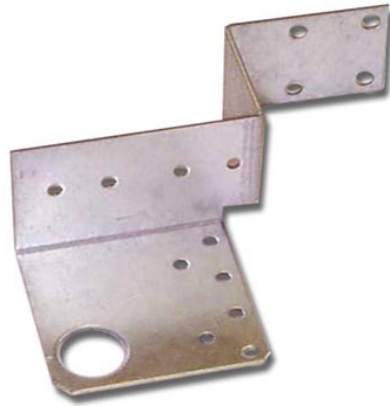


- 3 Press Bracket
- 4 Press Switch High
- 5 Press Switch Low

7.1.2.1 Press Bracket

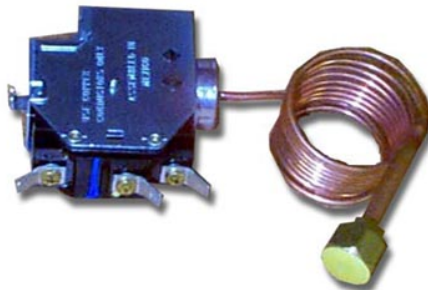


PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C16719P1	BRKT PRESS SW CARLYLE	ALL	1	1	1	1	1	1	1



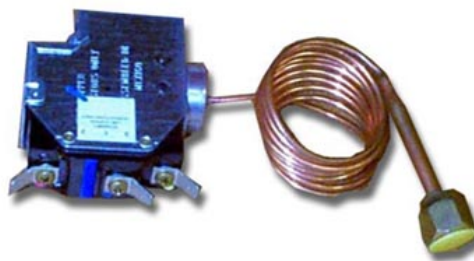
PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
1C16720P1	BRKT PRESS SW COPELAND	ALL	1	1	1	1	1	1	1	

7.1.2.2 Press Switch High



PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
1D15060P1	SW PRES HI 360PSI	ALL	1	1	1	1	1	1	1	

7.1.2.3 Press Switch Low



PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
1D15059P1	SW PRES LOW 15/35PSI	ALL	1	1	1	1	1	1	1	
<i>1D15059P1 is used on Air-Cooled units with Fan Speed Control Condensers.</i>										
1D16206P1	SW PRES LOW 20/65PSI	ALL	1	1	1	1	1	1	1	
<i>1D16206P1 is used on Air-Cooled units with Lee-Temp Receiver's and Water/Glycol/Glycool Cooled units.</i>										

7.1.3 Pressure Switch Assembly - Scroll



PART #	DESCRIPTION	VOLTAGE	TONNAGE		
			10	15	20
1D16204P1	PRESS SW DUAL PRESSURE	380/400/415V	2	2	2
<i>1D16204P1 is used on Air-Cooled units with Lee-Temp Receiver's and Water/Glycol Cooled Units.</i>					
1D14684P1	PRESS SW HI-LO 360/15-35 PSI	380/400/415V	2	2	2
<i>1D14684P1 is used on Air-Cooled units with Fan Speed Control Condensers.</i>					

7.1.4 Gasket Valve



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
C-087A	GASKET VALVE COMP SERVICE	4	2	2	2			
C-088A	GASKET VALVE COMP SERVICE		2	2	2	2	2	
C-089A	GASKET VALVE COMP SERVICE					2	2	
S-128A	SCREW CAP HX G8 P0 5/16-18 X 1-3/8	4	4	4				
S-129A	SCREW CAP HX G8 P0 5/16-18 X 1-3/4	4	4	4	4			
S-123A	SCREW CAP HX G5 P0 5/16-18 X 2				4	4	4	4
S-125A	SCREW CAP HX G5 P0 1/2-13 X 2-1/2					8	8	8

Carlyle

PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
C-088A	GASKET VALVE COMP SERVICE	2	2					
C-080N	GASKET VALVE COMP SERVICE	2	2	2				
C-080T	GASKET VALVE COMP SERVICE			2				
S-129A	SCREW CAP HX G8 P0 5/16-18 X 1-3/4	4	4					
S-128A	SCREW CAP HX G8 P0 5/16-18 X 1-3/8	4	4	4				
S-5810	SCREW CAP HX G8 P0 1/2-13 X 1-3/4			4				

Copeland

7.1.5 Spring Retainer



PART #	DESCRIPTION	COMPRESSOR TYPE	QTY
C-0720	KIT SPRING COMP MTG 1/2-13	COPELAND	2
C-0850	SPRING COMP MTG	CARLYLE	8
C-0860	SPRING RETAINER MTG	CARLYLE	8

7.1.6 Crankcase Heater

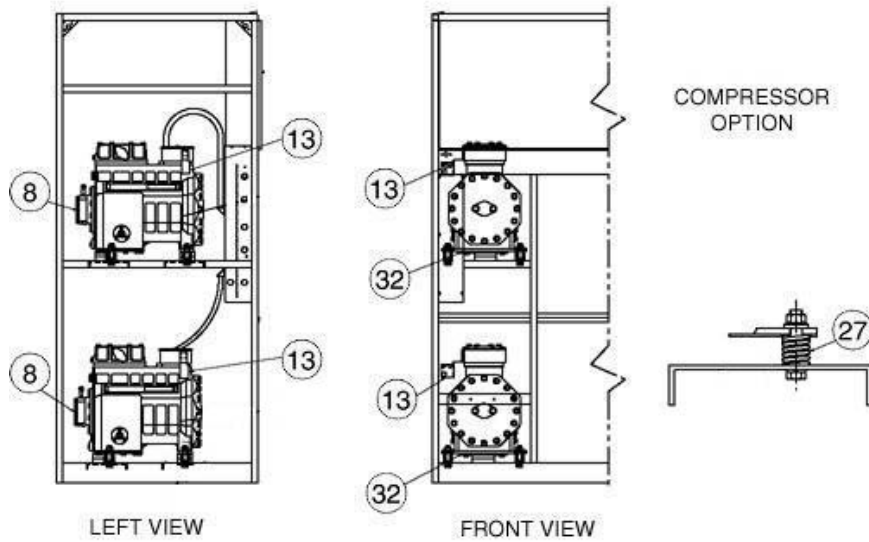


PART #	DESCRIPTION	VOLTAGE	COMPRESSOR TYPE	QTY
C06-0010	CRANKCASE HEATER 240V 50W	208/230V	CARLYLE	2
C06-0020	CRANKCASE HEATER 440//480 50W	460V	CARLYLE	2
C06-0030	CRANKCASE HEATER 550V 50W	575V	CARLYLE	2
C05-3010	CRANKCASE HEATER 240V 65W	208/230V	COPELAND	2
C05-3020	CRANKCASE HEATER 240V 65W	460V	COPELAND	2
C05-3030	CRANKCASE HEATER 240V 65W	575V	COPELAND	2

The following parts are required when adding Crankcase Heaters to Carlyle Compressors

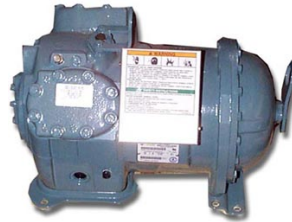
PART #	DESCRIPTION	QTY
C-1310	BRKT CCH CARLYLE 808 & 313	4
S-1110	WASHER PLAIN FLAT Z 1/4"	4
1A15004P1	SCREW TPG SLHWH DYZ 1/4-20x1/2	4

7.2 8T



- 8 Compressor
- 13 Pressure Switch Assembly
- 27 Spring Retainer
- 32 Crankcase Heater

7.2.1 Compressor



PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C16604P1	06DS3136BC3200	COMP S/HERM 208/230-3-60	208/230-3-60
1C16604P2	06DS3136BC3600	COMP S/HERM 460-3-60	380/415-3-50/460-3-60
1C16604P3	06DS3136BC3100	COMP S/HERM 575-3-60	575-3-60
1C16604P5	N/A	COMP S/HERM 380-3-60	380-3-60

Carlyle

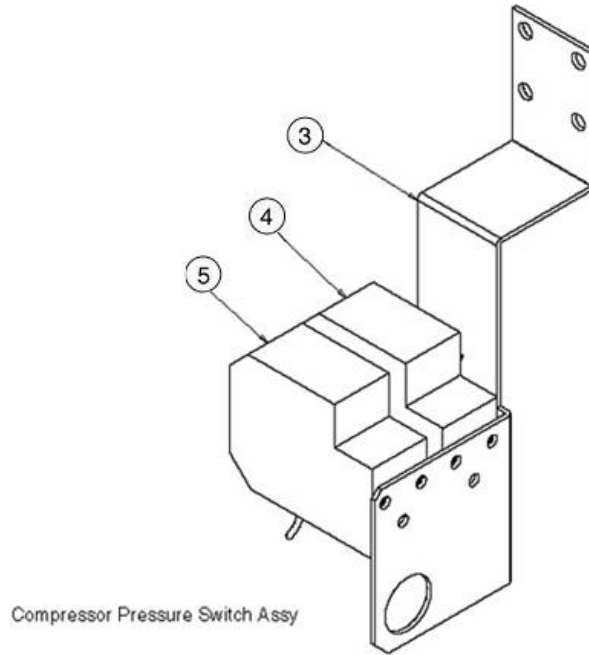
PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C18809P1	06DS3136BC3200	COMP S/HERM 208/230-3-60	208/230-3-60
1C18809P2	06DS3136BC3600	COMP S/HERM 460-3-60	380/415-3-50/460-3-60
1C18809P3	06DS3136BC3100	COMP S/HERM 575-3-60	575-3-60

Carlyle with Unloader

PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
C-050D	N/A	COMP S/HERM 208/30-3-5/6	208/230-3-50/60
C-050E	N/A	COMP S/HERM 460-3-60	380/415-3-50/460-3-60
C-050F	N/A	COMP S/HERM 575-3-60	575-3-60

Copeland

7.2.2 Pressure Switch Assembly – Carlyle/Copeland

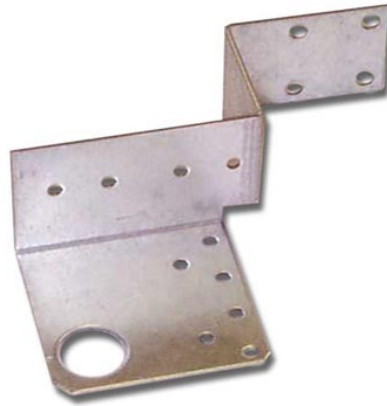


- 3 Press Bracket
- 4 Press Switch High
- 5 Press Switch Low

7.2.2.1 Press Bracket

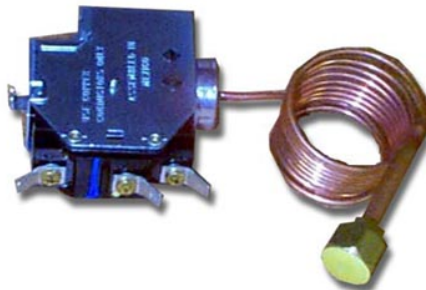


PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C16719P1	BRKT PRESS SW CARLYLE	ALL	1	1	1	1	1	1	1



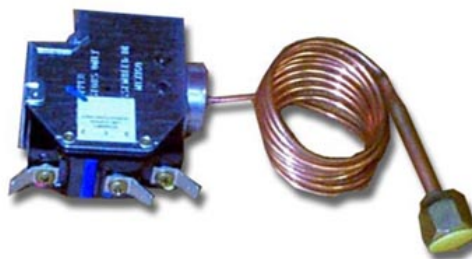
PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
1C16720P1	BRKT PRESS SW COPELAND	ALL	1	1	1	1	1	1	1	

7.2.2.2 Press Switch High



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1D15060P1	SW PRES HI 360PSI	ALL	1	1	1	1	1	1	1

7.2.2.3 Press Switch Low



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1D15059P1	SW PRES LOW 15/35PSI	ALL	1	1	1	1	1	1	1
<i>1D15059P1 is used on Air-Cooled units with Fan Speed Control Condensers.</i>									
1D16206P1	SW PRES LOW 20/65PSI	ALL	1	1	1	1	1	1	1
<i>1D16206P1 is used on Air-Cooled units with Lee-Temp Receiver's and Water/Glycol/Glycool Cooled units.</i>									

7.2.3 Pressure Switch Assembly - Scroll



PART #	DESCRIPTION	VOLTAGE	TONNAGE		
			10	15	20
1D16204P1	PRESS SW DUAL PRESSURE	380/400/415V	2	2	2
<i>1D16204P1 is used on Air-Cooled units with Lee-Temp Receiver's and Water/Glycol Cooled Units.</i>					
1D14684P1	PRESS SW HI-LO 360/15-35 PSI	380/400/415V	2	2	2
<i>1D14684P1 is used on Air-Cooled units with Fan Speed Control Condensers.</i>					

7.2.4 Spring Retainer



PART #	DESCRIPTION	COMPRESSOR TYPE	QTY
C-0770	KIT SPRING COMP MTG 1/2-13	COPELAND	2
C-0850	SPRING COMP MTG	CARLYLE	8
C-0860	SPRING RETAINER MTG	CARLYLE	8

7.2.5 Crankcase Heater

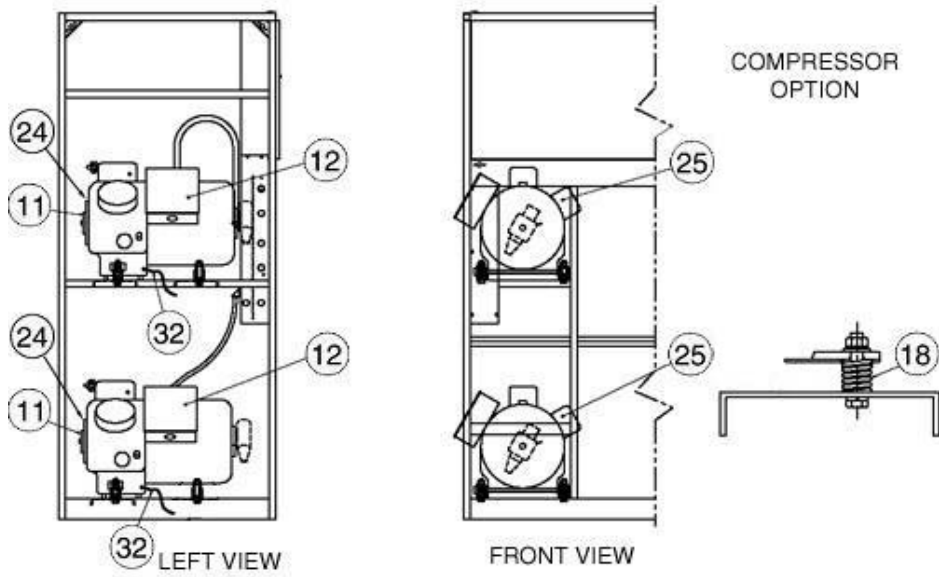


PART #	DESCRIPTION	VOLTAGE	COMPRESSOR TYPE	QTY
C06-0010	CRANKCASE HEATER 240V 50W	208/230V	CARLYLE	2
C06-0020	CRANKCASE HEATER 440//480 50W	460V	CARLYLE	2
C06-0030	CRANKCASE HEATER 550V 50W	575V	CARLYLE	2
C05-3010	CRANKCASE HEATER 240V 65W	208/230V	COPELAND	2
C05-3020	CRANKCASE HEATER 240V 65W	460V	COPELAND	2
C05-3030	CRANKCASE HEATER 240V 65W	575V	COPELAND	2

The following parts are Required when adding Crankcase Heaters to Carlyle Compressors

PART #	DESCRIPTION	QTY
C-1310	BRKT CCH CARLYLE 808 & 313	4
S-1110	WASHER PLAIN FLAT Z 1/4"	4
1A15004P1	SCREW TPG SLHWH DYZ 1/4-20x1/2	4

7.3 10T



- 11 Compressor
- 12 Pressure Switch Assembly
- 18 Compressor Spring
- 24 Gasket
- 25 Comp Cyl HD
- 32 Crankcase Heater

7.3.1 Compressor



PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C16604P1	06DS3136BC3200	COMP S/HERM 208/230-3-60	208/230-3-60
1C16604P2	06DS3136BC3600	COMP S/HERM 460-3-60	380/415-3-50/460-3-60
1C16604P3	06DS3136BC3100	COMP S/HERM 575-3-60	575-3-60
1C16604P5	N/A	COMP S/HERM 380-3-60	380-3-60
1C23269P2	N/A	COMP S/HERM 400-3-50	380/415-3-50

Carlyle

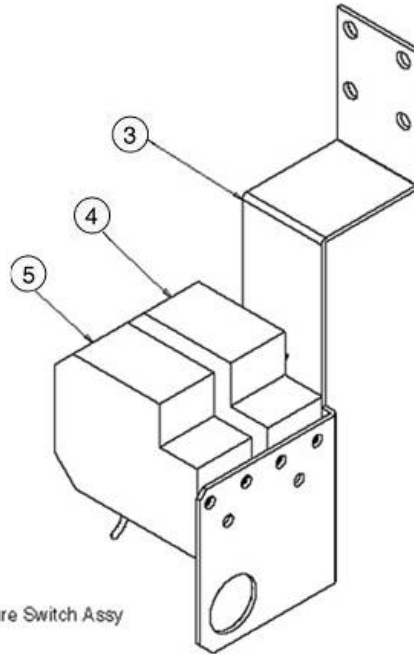
PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C18809P1	06DS3136BC3200	COMP S/HERM 208/230-3-60	208/230-3-60
1C18809P2	06DS3136BC3600	COMP S/HERM 460-3-60	380/415-3-50/460-3-60
1C18809P3	06DS3136BC3100	COMP S/HERM 575-3-60	575-3-60

Carlyle with Unloader

PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
151030P1	N/A	COMP S/HERM 208/230 2DC3-0500	208/230-3-60
151030P2	N/A	COMP S/HERM 460 2DC3-0500	460-3-60
151030P3	N/A	COMP S/HERM 575 2DC3-0500	575-3-60
141487P2	N/A	COMP S/HERM 460 2DD3-0500-TFD	380/415-3-50

Copeland

7.3.2 Pressure Switch Assembly – Carlyle/Copeland



Compressor Pressure Switch Assy

- 3 Press Bracket
- 4 Press Switch High
- 5 Press Switch Low

7.3.2.1 Press Bracket

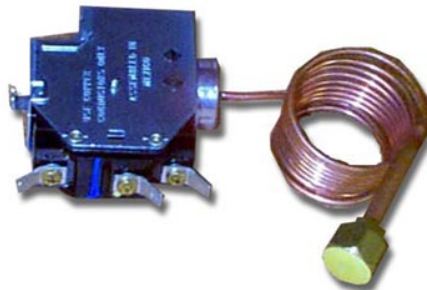


PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C16719P1	BRKT PRESS SW CARLYLE	ALL	1	1	1	1	1	1	1



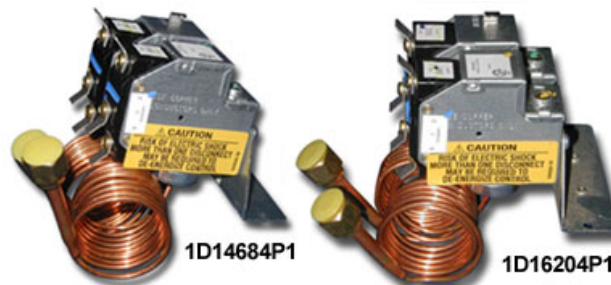
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C16720P1	BRKT PRESS SW COPELAND	ALL	1	1	1	1	1	1	1

7.3.2.2 Press Switch High



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1D15060P1	SW PRES HI 360PSI	ALL	1	1	1	1	1	1	1

7.3.3 Pressure Switch Assembly - Scroll



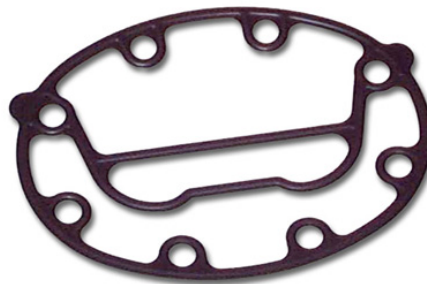
PART #	DESCRIPTION	VOLTAGE	TONNAGE		
			10	15	20
1D16204P1	PRESS SW DUAL PRESSURE	380/400/415V	2	2	2
<i>1D16204P1 is used on Air-Cooled units with Lee-Temp Receiver's and Water/Glycol Cooled Units.</i>					
1D14684P1	PRESS SW HI-LO 360/15-35 PSI	380/400/415V	2	2	2
<i>1D14684P1 is used on Air-Cooled units with Fan Speed Control Condensers.</i>					

7.3.4 Compressor Spring



PART #	DESCRIPTION	COMPRESSOR TYPE	QTY
C-0850	SPRING COMP MTG	CARLYLE	8
C-0860	SPRING RETAINER MTG	CARLYLE	8

7.3.5 Gasket



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C16777P1	GASKET COMPRESSOR CYL HD UNLDR	ALL	1	1	1	1			

7.3.6 Compressor Cyl HD



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C16778P2	COMP CYL HD SCT CTOFF UNLOADER	ALL			2	2			

7.3.7 Crankcase Heater

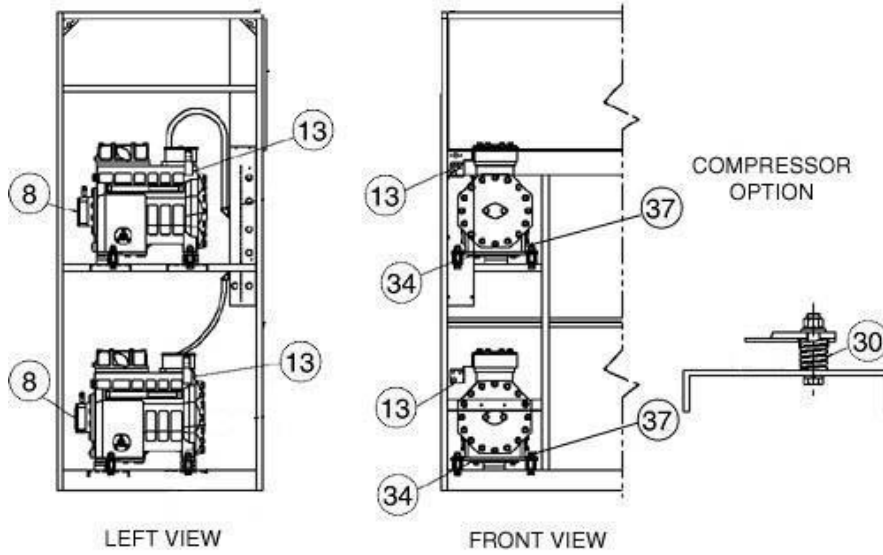


PART #	DESCRIPTION	VOLTAGE	COMPRESSOR TYPE	QTY
C06-0010	CRANKCASE HEATER 240V 50W	208/230V	CARLYLE	2
C06-0020	CRANKCASE HEATER 440//480 50W	460V	CARLYLE	2
C06-0030	CRANKCASE HEATER 550V 50W	575V	CARLYLE	2
C05-3010	CRANKCASE HEATER 240V 65W	208/230V	COPELAND	2
C05-3020	CRANKCASE HEATER 240V 65W	460V	COPELAND	2
C05-3030	CRANKCASE HEATER 240V 65W	575V	COPELAND	2

The following parts are Required when adding Crankcase Heaters to Carlyle Compressors

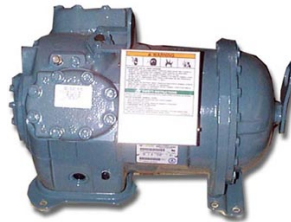
PART #	DESCRIPTION	QTY
C-1310	BRKT CCH CARLYLE 808 & 313	4
S-1110	WASHER PLAIN FLAT Z 1/4"	4
1A15004P1	SCREW TPG SLHWH DYZ 1/4-20x1/2	4

7.4 15T



- 8 Compressor
- 13 Pressure Switch Assembly
- 30 Compressor Spring
- 34 Crankcase Heater
- 37 Crankcase Heater Clip

7.4.1 Compressor



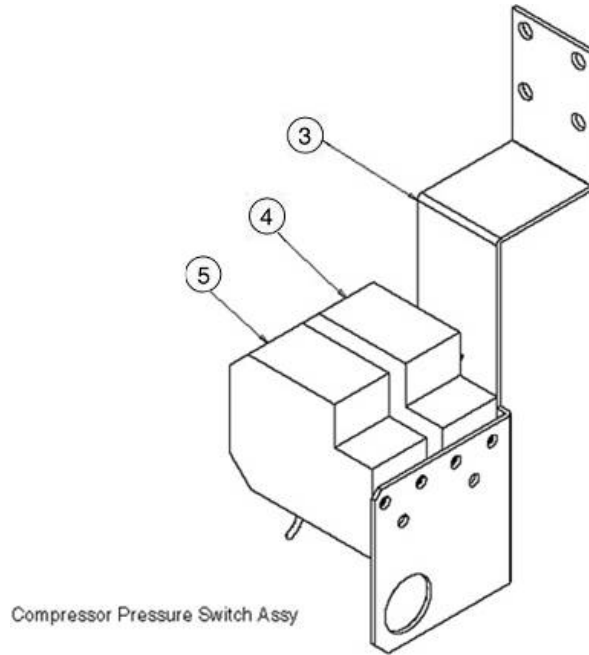
PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C16605P1	06DS8186BC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz
1C16605P2	06DS8186BC3600	COMP S/HERM 460-3-60	380/415-3-50/460-3-60Hz
1C16605P3	06DS8186BC3100	COMP S/HERM 575-3-60	575-3-60Hz
1C16605P5	N/A	COMP S/HERM 380-3-60	380-3-60Hz

Carlyle

PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C18810P1	06DS8186BC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz
1C18810P2	06DS8186BC3600	COMP S/HERM 460-3-60	380/415-3-50/460-3-60
1C18810P3	06DS8186BC3100	COMP S/HERM 575-3-60	575-3-60

Carlyle with Unloader

7.4.2 Pressure Switch Assembly – Carlyle/Copeland



- 3 Press Bracket
- 4 Press Switch High
- 5 Press Switch Low

7.4.2.1 Press Bracket

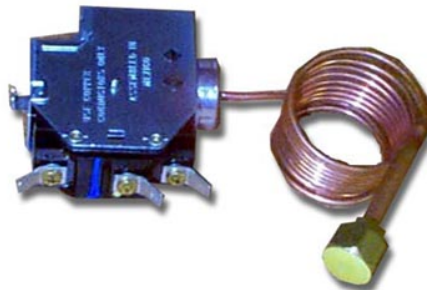


PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C16719P1	BRKT PRESS SW CARLYLE	ALL	1	1	1	1	1	1	1



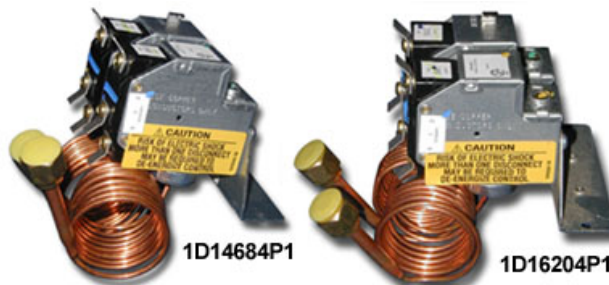
PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
1C16720P1	BRKT PRESS SW COPELAND	ALL	1	1	1	1	1	1	1	

7.4.2.2 Press Switch High



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1D15060P1	SW PRES HI 360PSI	ALL	1	1	1	1	1	1	1

7.4.3 Pressure Switch Assembly - Scroll



PART #	DESCRIPTION	VOLTAGE	TONNAGE		
			10	15	20
1D16204P1	PRESS SW DUAL PRESSURE	380/400/415V	2	2	2
<i>1D16204P1 is used on Air-Cooled units with Lee-Temp Receiver's and Water/Glycol Cooled Units.</i>					
1D14684P1	PRESS SW HI-LO 360/15-35 PSI	380/400/415V	2	2	2
<i>1D14684P1 is used on Air-Cooled units with Fan Speed Control Condensers.</i>					

7.4.4 Compressor Spring



C-0850



C-0860

PART #	DESCRIPTION	COMPRESSOR TYPE	QTY
C-0850	SPRING COMP MTG	CARLYLE	8
C-0860	SPRING RETAINER MTG	CARLYLE	8

7.4.5 Crankcase Heater



C05-0360



C-0820

PART #	DESCRIPTION	VOLTAGE	QTY
C05-0360	CRANKCASE HEATER PKG NO CARR	208/230V	2
C-0820	CRANKCASE HEATER 480V 75W	460V	2
C-0830	CRANKCASE HEATER 575V 75W	575V	2
P-035A	CLIP CRANKCASE HEATER	ALL	2

7.4.6 Crankcase Heater Clip



PART #	DESCRIPTION	VOLTS	TONNAGE			
			15	20	22	30
P-035A	CLIP CRANKCASE HEATER	ALL	2	2	2	2

7.4.7 Crankcase Heater

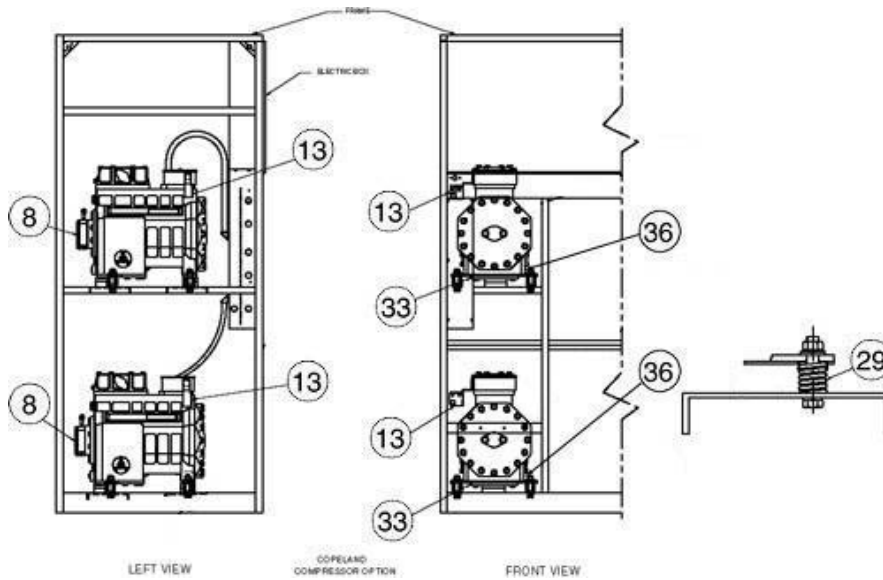


PART #	DESCRIPTION	VOLTAGE	COMPRESSOR TYPE	QTY
C06-0010	CRANKCASE HEATER 240V 50W	208/230V	CARLYLE	2
C06-0020	CRANKCASE HEATER 440//480 50W	460V	CARLYLE	2
C06-0030	CRANKCASE HEATER 550V 50W	575V	CARLYLE	2
C05-3010	CRANKCASE HEATER 240V 65W	208/230V	COPELAND	2
C05-3020	CRANKCASE HEATER 240V 65W	460V	COPELAND	2
C05-3030	CRANKCASE HEATER 240V 65W	575V	COPELAND	2

The following parts are Required when adding Crankcase Heaters to Carlyle Compressors

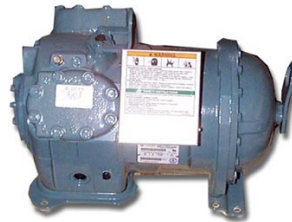
PART #	DESCRIPTION	QTY
C-1310	BRKT CCH CARLYLE 808 & 313	4
S-1110	WASHER PLAIN FLAT Z 1/4"	4
1A15004P1	SCREW TPG SLHWH DYZ 1/4-20x1/2	4

7.5 20T



- 8 Compressors
- 13 Pressure Switch Assembly
- 29 Spring Compressor
- 33 Crankcase Heater
- 36 Crankcase Heater Clip

7.5.1 Compressor



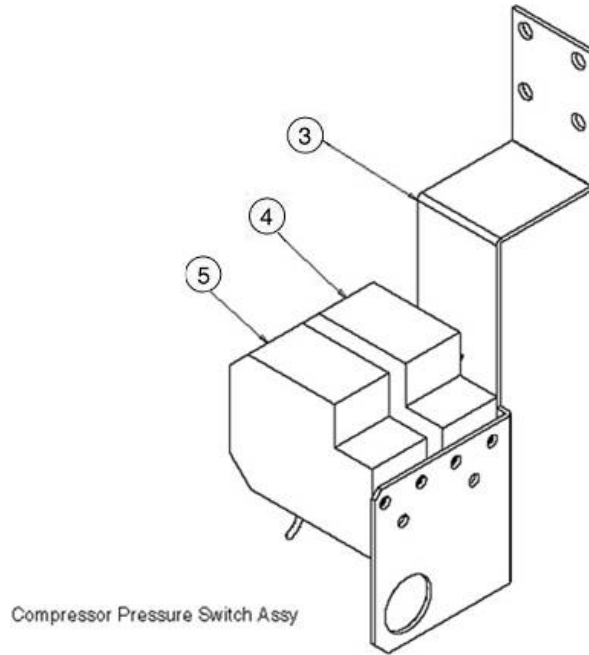
PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C16606P1	06DS8246BC3200	COMP S/HERM 208/230-3-60	208/230-3-60
175023P1	06DS8256BC3200	COMP S/HERM 208/230-3-60	208/230-3-60
1C16606P2	06DS8246BC3600	COMP S/HERM 460-3-60	380/415-3-50 460-3-60
175023P2	06DS8256BC3600	COMP S/HERM 460-3-60	380/415-3-50 460-3-60
1C16606P3	06DS8246BC3100	COMP S/HERM 575-3-60	575-3-60
175023P3	06DS8256BC3100	COMP S/HERM 575-3-60	575-3-60
1C16606P5	N/A	COMP S/HERM 380-3-60	380-3-60
175023P5	N/A	COMP S/HERM 380-3-60	380-3-60

Carlyle

PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C18810P1	06DS8186BC3200	COMP S/HERM 208/230-3-60	208/230-3-60Hz
1C18810P2	06DS8186BC3600	COMP S/HERM 460-3-60	380/415-3-50/460-3-60
1C18810P3	06DS8186BC3100	COMP S/HERM 575-3-60	575-3-60

Carlyle with Unloader

7.5.2 Pressure Switch Assembly – Carlyle/Copeland



- 3 Press Bracket
- 4 Press Switch High
- 5 Press Switch Low

7.5.2.1 Press Bracket

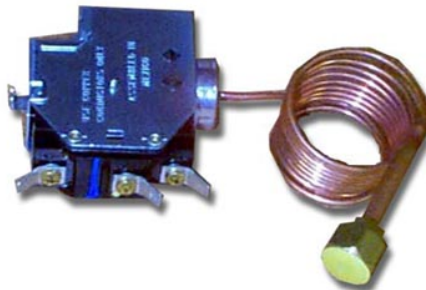


PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C16719P1	BRKT PRESS SW CARLYLE	ALL	1	1	1	1	1	1	1



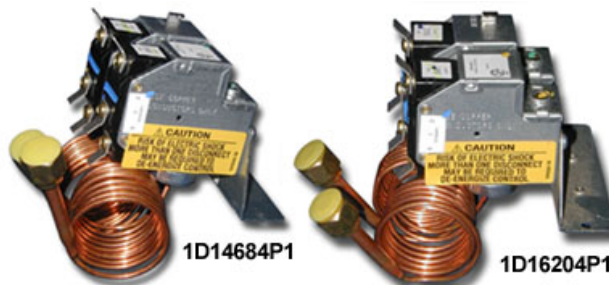
PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
1C16720P1	BRKT PRESS SW COPELAND	ALL	1	1	1	1	1	1	1	

7.5.2.2 Press Switch High



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1D15060P1	SW PRES HI 360PSI	ALL	1	1	1	1	1	1	1

7.5.3 Pressure Switch Assembly - Scroll



PART #	DESCRIPTION	VOLTAGE	TONNAGE		
			10	15	20
1D16204P1	PRESS SW DUAL PRESSURE	380/400/415V	2	2	2
<i>1D16204P1 is used on Air-Cooled units with Lee-Temp Receiver's and Water/Glycol Cooled Units.</i>					
1D14684P1	PRESS SW HI-LO 360/15-35 PSI	380/400/415V	2	2	2
<i>1D14684P1 is used on Air-Cooled units with Fan Speed Control Condensers.</i>					

7.5.4 Compressor Spring



C-0840



C-0860

PART #	DESCRIPTION	COMPRESSOR TYPE	QTY
C-0840	SPRING COMP MTG	CARLYLE	8
C-0860	SPRING RETAINER MTG	CARLYLE	4

7.5.5 Crankcase Heater



C05-0360



C-0820

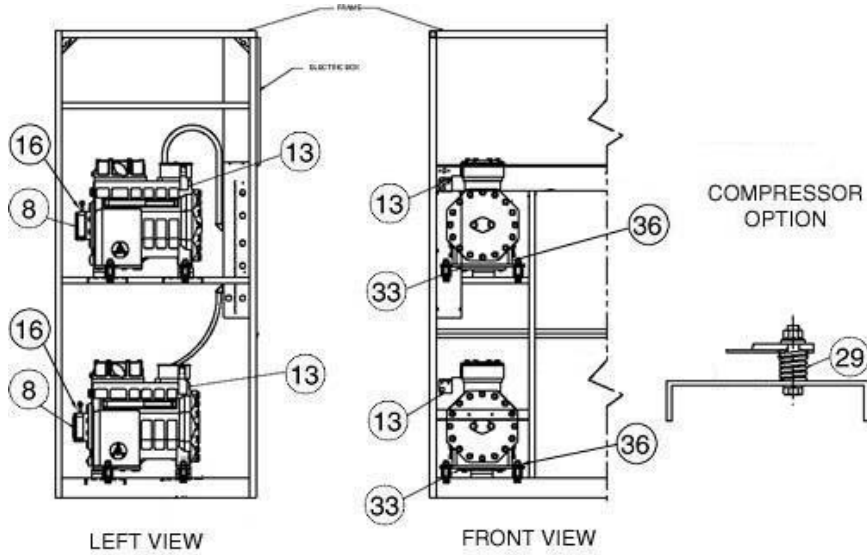
PART #	DESCRIPTION	VOLTAGE	QTY
C05-0360	CRANKCASE HEATER PKG NO CARR	208/230V	2
C-0820	CRANKCASE HEATER 480V 75W	460V	2
C-0830	CRANKCASE HEATER 575V 75W	575V	2
P-035A	CLIP CRANKCASE HEATER	ALL	2

7.5.6 Crankcase Heater Clip



PART #	DESCRIPTION	VOLTS	TONNAGE			
			15	20	22	30
P-035A	CLIP CRANKCASE HEATER	ALL	2	2	2	2

7.6 22T



- | | | | |
|----|--------------------------|----|-----------------------|
| 8 | Compressors | 29 | Compressor Spring |
| 13 | Pressure Switch Assembly | 33 | Crankcase Heater |
| 16 | Gasket Valve | 36 | Crankcase Heater Clip |

7.6.1 Compressor



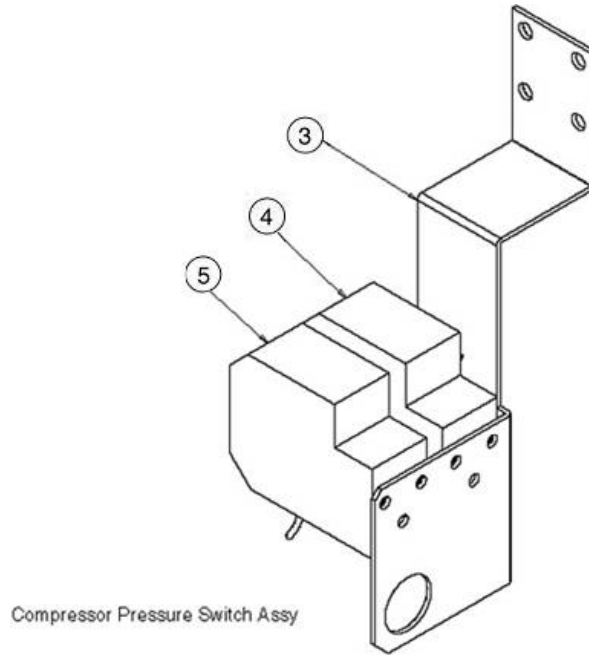
PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C16607P1	06DS3286BC3200	COMP S/HERM 208/230-3-60	208/230-3-60
1C16607P2	06DS3286BC3600	COMP S/HERM 460-3-60	380/415-3-50 460-3-60
1C16607P3	06DS3286BC3100	COMP S/HERM 575-3-60	575-3-60
1C16607P5	N/A	COMP S/HERM 380-3-60	380-3-60

Carlyle

PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C18812P1	06DS3286BC3200	COMP S/HERM 208/230-3-60	208/230-3-60
1C18812P2	06DS3286BC3600	COMP S/HERM 460-3-60	380/415-3-50 460-3-60
1C18812P3	06DS3286BC3100	COMP S/HERM 575-3-60	575-3-60

Carlyle with Unloader

7.6.2 Pressure Switch Assembly – Carlyle/Copeland



- 3 Press Bracket
- 4 Press Switch High
- 5 Press Switch Low

7.6.2.1 Press Bracket

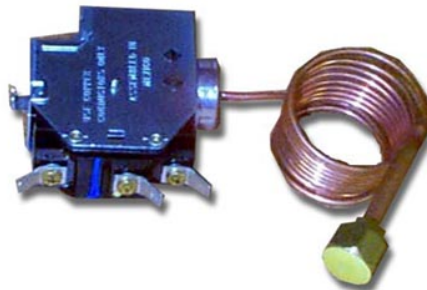


PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C16719P1	BRKT PRESS SW CARLYLE	ALL	1	1	1	1	1	1	1



PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
1C16720P1	BRKT PRESS SW COPELAND	ALL	1	1	1	1	1	1	1	

7.6.2.2 Press Switch High



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1D15060P1	SW PRES HI 360PSI	ALL	1	1	1	1	1	1	1

7.6.3 Pressure Switch Assembly - Scroll



PART #	DESCRIPTION	VOLTAGE	TONNAGE		
			10	15	20
1D16204P1	PRESS SW DUAL PRESSURE	380/400/415V	2	2	2
<i>1D16204P1 is used on Air-Cooled units with Lee-Temp Receiver's and Water/Glycol Cooled Units.</i>					
1D14684P1	PRESS SW HI-LO 360/15-35 PSI	380/400/415V	2	2	2
<i>1D14684P1 is used on Air-Cooled units with Fan Speed Control Condensers.</i>					

7.6.4 Gasket Valve



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
C-087A	GASKET VALVE COMP SERVICE	4	2	2	2			
C-088A	GASKET VALVE COMP SERVICE		2	2	2	2	2	
C-089A	GASKET VALVE COMP SERVICE					2	2	
S-128A	SCREW CAP HX G8 P0 5/16-18 X 1-3/8	4	4	4				
S-129A	SCREW CAP HX G8 P0 5/16-18 X 1-3/4	4	4	4	4			
S-123A	SCREW CAP HX G5 P0 5/16-18 X 2				4	4	4	4
S-125A	SCREW CAP HX G5 P0 1/2-13 X 2-1/2					8	8	8

Carlyle

PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
C-088A	GASKET VALVE COMP SERVICE	2	2					
C-080N	GASKET VALVE COMP SERVICE	2	2	2				
C-080T	GASKET VALVE COMP SERVICE			2				
S-129A	SCREW CAP HX G8 P0 5/16-18 X 1-3/4	4	4					
S-128A	SCREW CAP HX G8 P0 5/16-18 X 1-3/8	4	4	4				
S-5810	SCREW CAP HX G8 P0 1/2-13 X 1-3/4			4				

Copeland

7.6.5 Compressor Spring

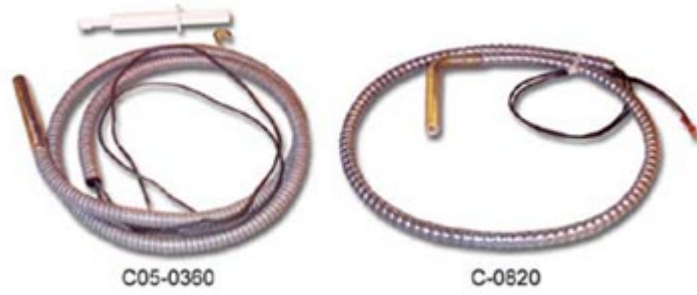


C-0840

C-0860

PART #	DESCRIPTION	COMPRESSOR TYPE	QTY
C-0840	SPRING COMP MTG	CARLYLE	8
C-0860	SPRING RETAINER MTG	CARLYLE	4

7.6.6 Crankcase Heater



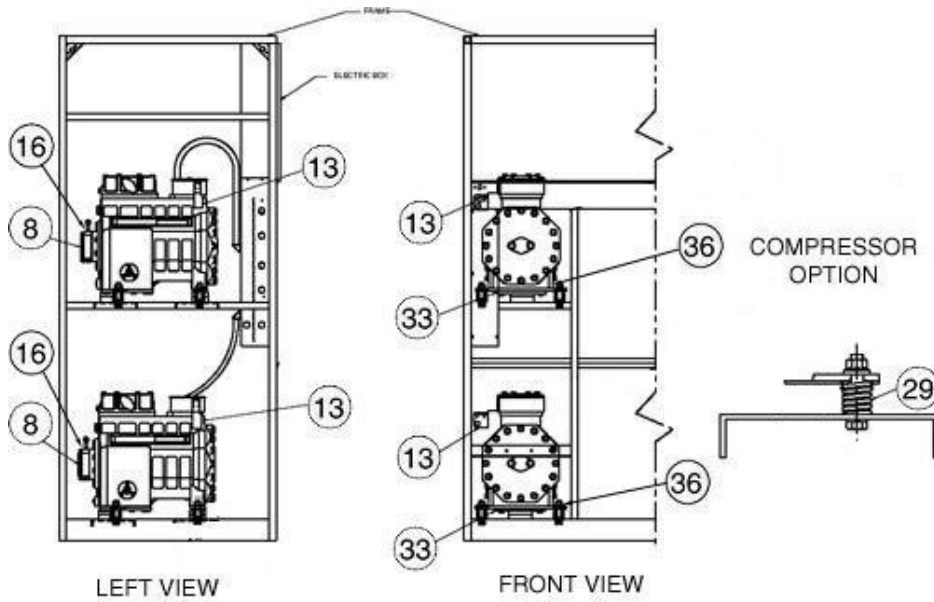
PART #	DESCRIPTION	VOLTAGE	QTY
C05-0360	CRANKCASE HEATER PKG NO CARR	208/230V	2
C-0820	CRANKCASE HEATER 480V 75W	460V	2
C-0830	CRANKCASE HEATER 575V 75W	575V	2
P-035A	CLIP CRANKCASE HEATER	ALL	2

7.6.7 Crankcase Heater Clip



PART #	DESCRIPTION	VOLTS	TONNAGE			
			15	20	22	30
P-035A	CLIP CRANKCASE HEATER	ALL	2	2	2	2

7.7 30T



- | | | | |
|----|--------------------------|----|-----------------------|
| 8 | Compressor | 29 | Compressor Spring |
| 13 | Pressure Switch Assembly | 33 | Crankcase Heater |
| 16 | Gasket Valve | 36 | Crankcase Heater Clip |

7.7.1 Compressor



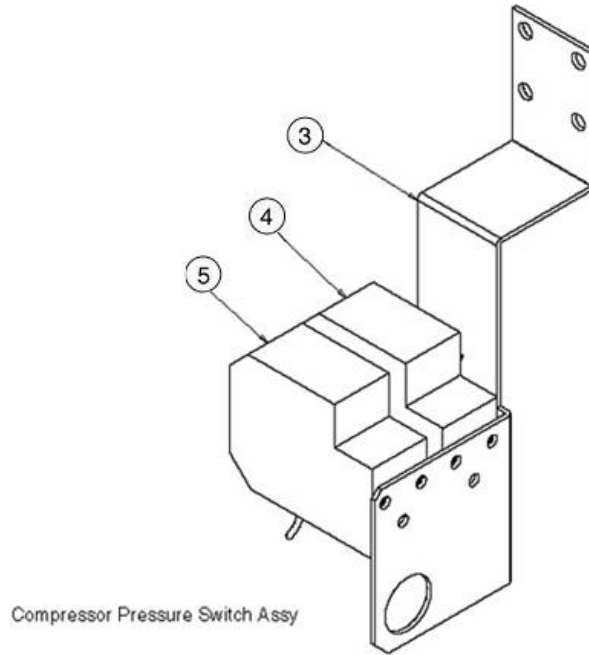
PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
1C18259P1	06DA5372BA1200	COMP S/HERM 208/230-3-60	208/230-3-60
1C18259P2	06DA5372BA0600	COMP S/HERM 460-3-60	380/415-3-50 460-3-60
1C18259P3	06DA5372BA0100	COMP S/HERM 575-3-60	575-3-60

Carlyle

PART #	REMANUFACTURED COMPRESSOR PART #	DESCRIPTION	VOLTAGE
125680P1	06DF5372BA1200	COMP S/HERM 208/230-3-60	208/230-3-60
125680P2	06DF5372BA0600	COMP S/HERM 460-3-60	380/415-3-50 460-3-60
125680P3	06DF5372BA0100	COMP S/HERM 575-3-60	575-3-60

Carlyle with Unloader

7.7.2 Pressure Switch Assembly – Carlyle/Copeland

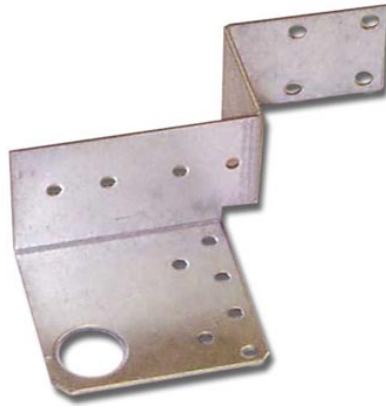


- 3 Press Bracket
- 4 Press Switch High
- 5 Press Switch Low

7.7.2.1 Press Bracket

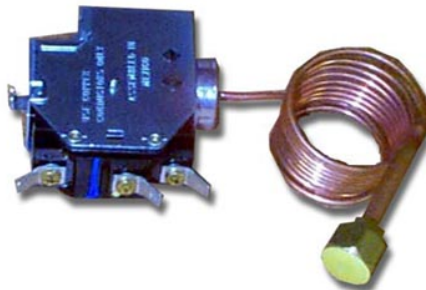


PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1C16719P1	BRKT PRESS SW CARLYLE	ALL	1	1	1	1	1	1	1



PART #	DESCRIPTION	VOLTS	TONNAGE							
			6	8	10	15	20	22	30	
1C16720P1	BRKT PRESS SW COPELAND	ALL	1	1	1	1	1	1	1	

7.7.2.2 Press Switch High



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
1D15060P1	SW PRES HI 360PSI	ALL	1	1	1	1	1	1	1

7.7.3 Pressure Switch Assembly - Scroll



PART #	DESCRIPTION	VOLTAGE	TONNAGE		
			10	15	20
1D16204P1	PRESS SW DUAL PRESSURE	380/400/415V	2	2	2
<i>1D16204P1 is used on Air-Cooled units with Lee-Temp Receiver's and Water/Glycol Cooled Units.</i>					
1D14684P1	PRESS SW HI-LO 360/15-35 PSI	380/400/415V	2	2	2
<i>1D14684P1 is used on Air-Cooled units with Fan Speed Control Condensers.</i>					

7.7.4 Gasket Valve



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
C-087A	GASKET VALVE COMP SERVICE	4	2	2	2			
C-088A	GASKET VALVE COMP SERVICE		2	2	2	2	2	
C-089A	GASKET VALVE COMP SERVICE					2	2	
S-128A	SCREW CAP HX G8 P0 5/16-18 X 1-3/8	4	4	4				
S-129A	SCREW CAP HX G8 P0 5/16-18 X 1-3/4	4	4	4	4			
S-123A	SCREW CAP HX G5 P0 5/16-18 X 2				4	4	4	4
S-125A	SCREW CAP HX G5 P0 1/2-13 X 2-1/2					8	8	8

Carlyle

PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
C-088A	GASKET VALVE COMP SERVICE	2	2					
C-080N	GASKET VALVE COMP SERVICE	2	2	2				
C-080T	GASKET VALVE COMP SERVICE			2				
S-129A	SCREW CAP HX G8 P0 5/16-18 X 1-3/4	4	4					
S-128A	SCREW CAP HX G8 P0 5/16-18 X 1-3/8	4	4	4				
S-5810	SCREW CAP HX G8 P0 1/2-13 X 1-3/4			4				

Copeland

7.7.5 Compressor Spring

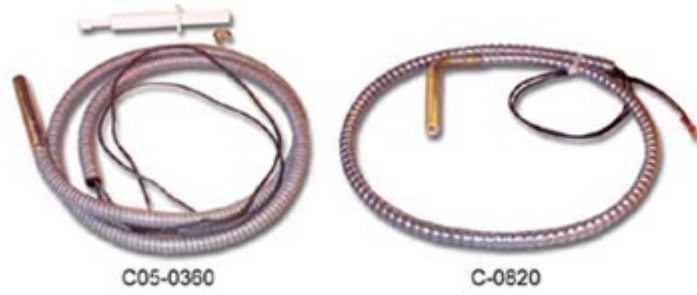


C-0840

C-0860

PART #	DESCRIPTION	COMPRESSOR TYPE	QTY
C-0840	SPRING COMP MTG	CARLYLE	8
C-0860	SPRING RETAINER MTG	CARLYLE	4

7.7.6 Crankcase Heater



PART #	DESCRIPTION	VOLTAGE	QTY
C05-0360	CRANKCASE HEATER PKG NO CARR	208/230V	2
C-0820	CRANKCASE HEATER 480V 75W	460V	2
C-0830	CRANKCASE HEATER 575V 75W	575V	2
P-035A	CLIP CRANKCASE HEATER	ALL	2

7.7.7 Crankcase Heater Clip



PART #	DESCRIPTION	VOLTS	TONNAGE			
			15	20	22	30
P-035A	CLIP CRANKCASE HEATER	ALL	2	2	2	2

7.8 Unloader Replacement Part



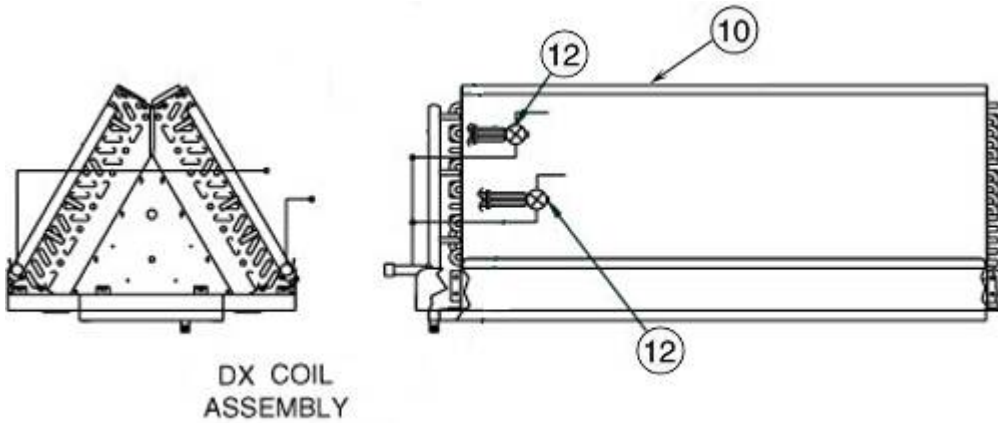
COMPRESSOR GASKET



ALCO VALVE COIL

PART #	DESCRIPTION	QTY/COMPRESSOR
P-5520	COIL 24V FOR ALCO VALVE 707RA	1
100067	SCREW CAP HX G8 PO 3/8-16 X 3	16
1C16777P1	GASKET COMPRESSOR CYL HD UNLOADER	2
1C16778P3	HEAD KIT UNLDR 6CYL	2
1C16987P1	GASKET COMPRESSOR STEM ASSY SUCT HD	2
1C16988P1	STEM ASSY COMPRESSOR SUCT HD	2

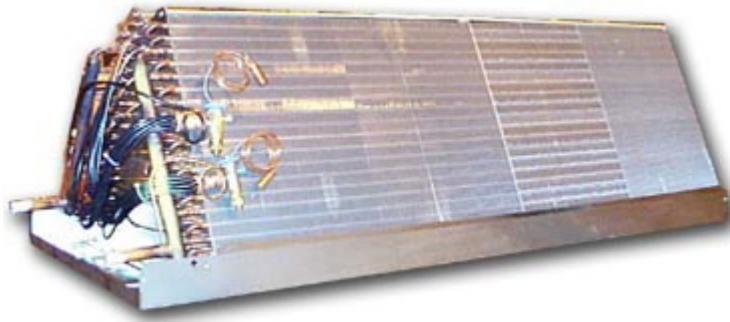
8.0 Coil Section



DX COIL ASSEMBLY

- 10 Coil
- 12 Valve Expansion

8.1 Coil



PART #	DESCRIPTION	STEPS	QTY
138422G1	COIL DX 06T D/V	2	1

6T

PART #	DESCRIPTION	STEPS	QTY
006-0007	COIL DX 08T D/V	2	1
1D16583G1	COIL ASSY 08T	4	1

8T

PART #	DESCRIPTION	STEPS	QTY
006-0009	COIL DX 10T D/V	2	1
1D16584G1	COIL ASSY 10T	4	1

10T

PART #	DESCRIPTION	STEPS	QTY
138422G2	COIL DX 15T 2S D/V 4R 9CKT	2	1
1D16582G7	COIL DX 15T 4S D/V 4R 9CKT	4	1

15T

PART #	DESCRIPTION	STEPS	QTY
006-0051	COIL DX 20T D/U	2	1
1D16582G2	COIL 20T D/V 4ROW 9CKT	4	1

20T

PART #	DESCRIPTION	STEPS	QTY
006-0012	COIL DX 22T D/V	2	1
1D16582G3	COIL 22T D/V 4ROW 9CKT	4	1

22T

PART #	DESCRIPTION	STEPS	QTY
1D16582G5	COIL 30T D/V 4ROW 24CKT 2STEP	2	1
1D16582G4	COIL 30T D/V 4ROW 24CKT 4STEP	4	1

30T

8.2 Valve Expansion



PART #	DESCRIPTION	VOLTS	QTY
P02-0180	VALVE EXP 1/2X5/8X1/4ODF 60"	ALL	2

6T



PART #	DESCRIPTION	VOLTS	QTY
P02-0170	VALVE EXP 1/2X5/8X1/4ODF 60"	ALL	2

8T

PART #	DESCRIPTION	VOLTS	QTY
P02-0170	VALVE EXP 1/2X5/8X1/4ODF 60"	ALL	2

10T



PART #	DESCRIPTION	VOLTS	QTY
138418P1	VALVE EXP 7.5T 1/2x1-1/8x1/4"	ALL	2

15T

PART #	DESCRIPTION	VOLTS	QTY
P02-0220	VALVE EXP 5/8X1-1/8X1/4ODF 60"	ALL	2

20T

PART #	DESCRIPTION	VOLTS	QTY
P02-0210	VALVE EXP 5/8X1-1/8X1/4ODF 60"	ALL	2

22T

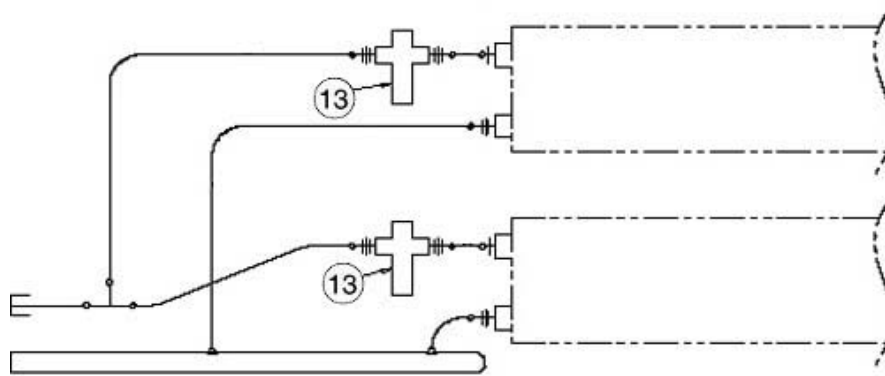


PART #	DESCRIPTION	VOLTS	QTY
130992P2	VALVE EXP 5/8X1-1/8X1/4ODF 60"	ALL	2

30T

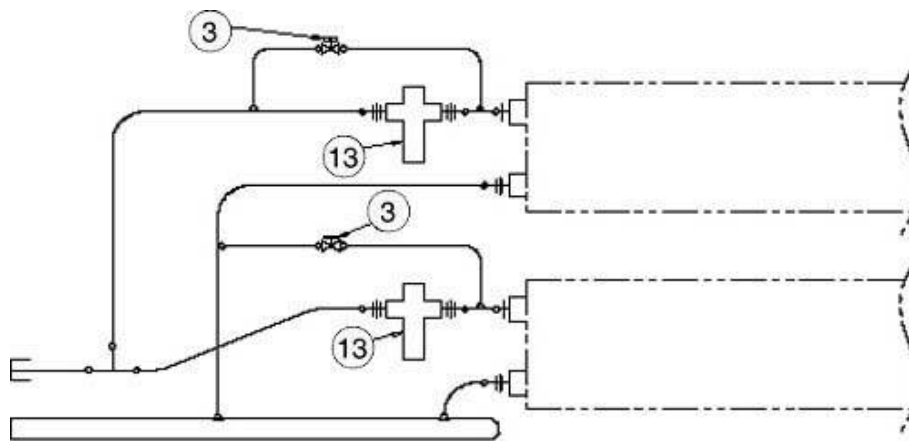
9.0 Condenser Section

9.1 Condenser Header 2-Way



Condenser
Assembly

2-Way Condenser Header



Condenser
Assembly

2-Way with Bypass

- 3 Valve Gate
- 13 Water Valve

9.1.1 Valve Gate



P02-0130



P-3020

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
P-3020	VALVE GATE 3/4" SWT	ALL	2	2	2	2	2	2	2
Standard Pressure									
P02-0130	VALVE GATE 3/4" THD 300#WOG	ALL	2	2	2	2	2	2	2
High Pressure									

9.1.2 Water Valve



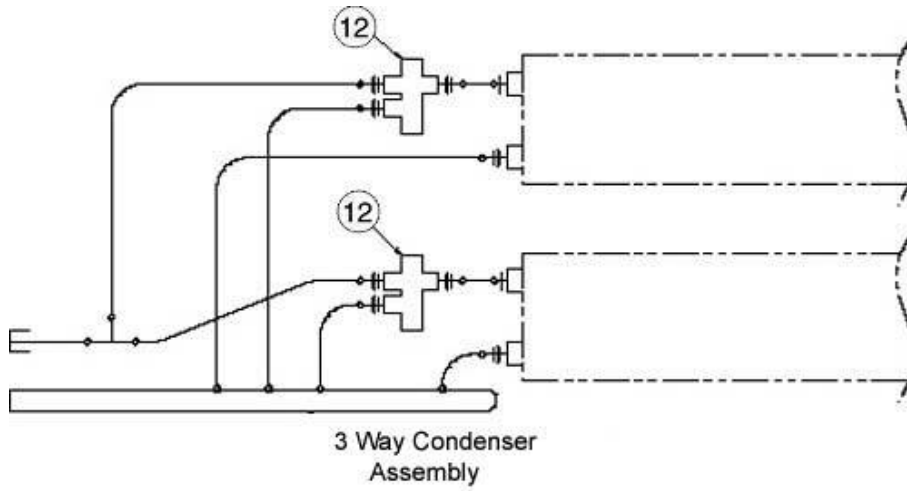
P-311A



131852P2

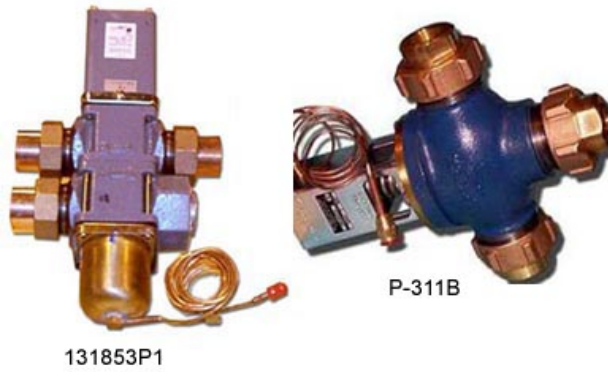
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
131852P1	VALVE H2O REG 2WAY 1" UB	ALL	2	2	2	2			
Standard Pressure Water or Glycol									
131852P2	VALVE H2O REG 2WAY 1-1/4" UB	ALL					2	2	2
Standard Pressure Water or Glycol									
171819P4	VALVE H2O REG 2WAY 1"	ALL	2	2	2	2			
High Pressure Water or Glycol									
P-311A	VALVE H2O REG 2WAY 1" 300#	ALL					2	2	2
High Pressure Water or Glycol									

9.2 Condenser Header 3-Way



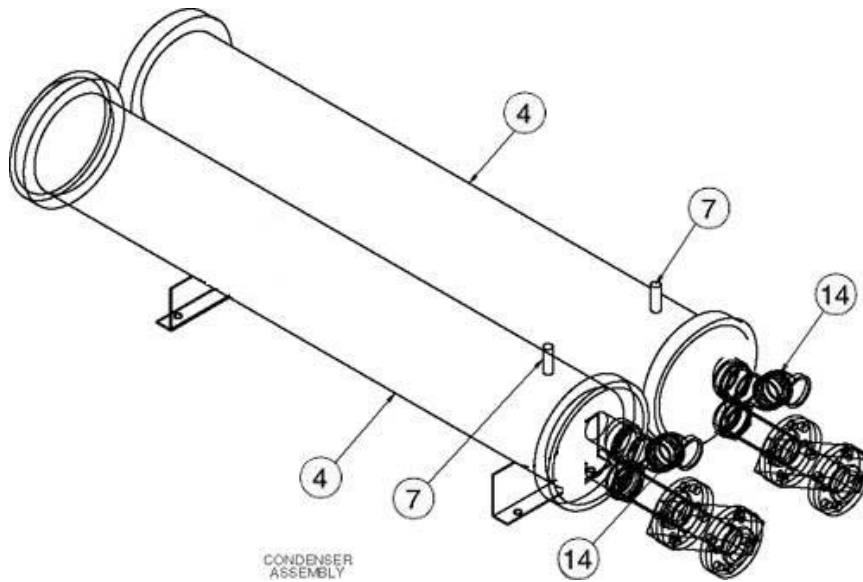
12 Water Valve

9.2.1 Water Valve



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
131853P1	VALVE H2O REG 3WAY 1" UB	ALL	2	2	2	2			
Standard Pressure Water or Glycol									
131853P2	VALVE H2O REG 3WAY 1-1/4" UB	ALL						2	2
Standard Pressure Water or Glycol									
171818P4	VALVE H2O REG 3WAY 1" 350#	ALL	2	2	2	2			
High Pressure Water or Glycol									
P-311B	VALVE H2O REG 3WAY 1"	ALL						2	2
High Pressure Water or Glycol									

9.3 Condenser Header 3-Way



- 4 Condenser
- 7 Valve Relief
- 14 Condenser Header Assembly

9.3.1 Condenser



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
Water Cooled Standard and High Pressure								
J-009H	CONDENSER SHL&TUBE 300# CU	2	2	2				
J-004H	CONDENSER SHL&TUBE 300# CU				2			
J-002H	CONDENSER SHL&TUBE 300# CU					**2	**2	
J-011H	CONDENSER SHL&TUBE 300# CU					*2	*2	2
*Used on High Pressure Units **Used on Standard Pressure Units								
Glycol Cooled Standard and High Pressure								
J-009H	CONDENSER SHL&TUBE 300# CU	2						
J-004H	CONDENSER SHL&TUBE 300# CU		2	2				
J-002H	CONDENSER SHL&TUBE 300# CU				2			
J-011H	CONDENSER SHL&TUBE 300# CU					2	2	
125685P2	CONDENSER SHL&TUBE 300# CU							2

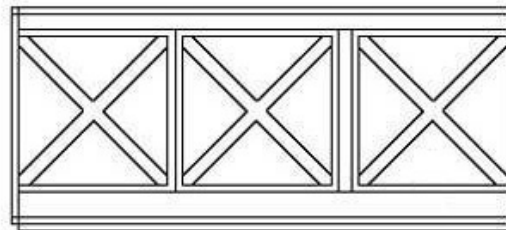
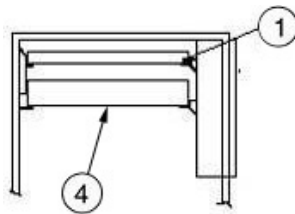
9.3.2 Valve Relief



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
P-2830	VALVE RELIEF 400#1/4MPTX3/8FLR	2	2	2	2	2	2	2
168198P1	VALVE RELIEF 440#1/4MPTX3/8FLR	2	2	2	2	2	2	2
P-2830 has been Superseded by 168198P1. Effective 4-20-03.								

10.0 Filter Section

10.1 6/8/10T



Filter Options
6-8-10 Ton
72" DX

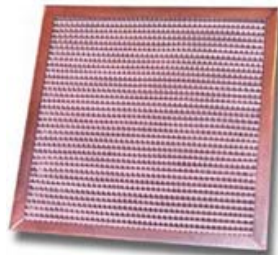
- 1 Filter 2"
- 4 Filter 6"

10.1.1 Filter 2"



PART #	DESCRIPTION	FILTER EFFICIENCY	QTY
A-0350	FILTER 2" 24.0X24.0 20%	20%	3

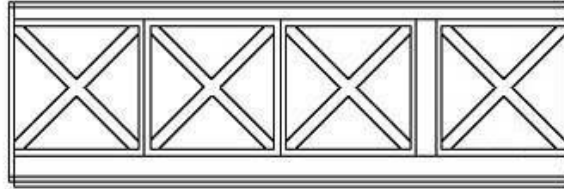
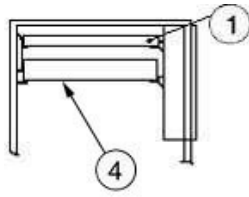
10.1.2 Filter 6"



A-0030

PART #	DESCRIPTION	FILTER EFFICIENCY	QTY
A-0010	FILTER 2" 24.0X24.0 20%	20%	3
A-0380	FILTER 4" 24.0X24.0 30% ASHRAE	30%	3
1A17806P6	FILTER 4" 24.0X24.0 45% ASHRAE	45%	3
131042P2	FILTER 4" 24.0X24.0 60-65%	65%	3
A-0030	FILTER 6" 24.0X24.0 65%	65%	3

10.2 15/20/22T

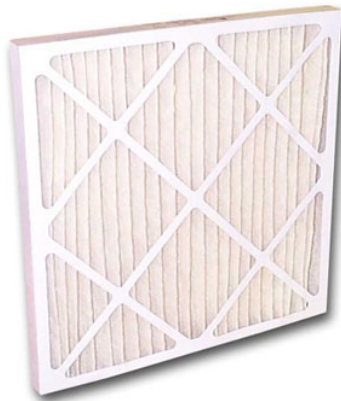


TOP VIEW

Filter Options
 15-20-22 Ton
 97" DX

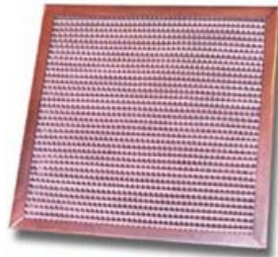
- 1 Filter 2"
- 4 Filter 6"

10.2.1 Filter 2"



PART #	DESCRIPTION	FILTER EFFICIENCY	QTY
A-0350	FILTER 2" 24.0X24.0 20%	20%	4

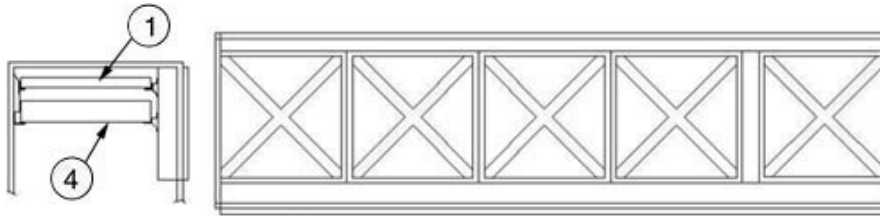
10.2.2 Filter 6"



A-0030

PART #	DESCRIPTION	FILTER EFFICIENCY	QTY
A-0010	FILTER 2" 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
A-0030	FILTER 6" 24.0X24.0 65%	65%	4

10.3 30T



**Filter Options
30 Ton
120" DX**

- 1 Filter 2"
- 4 Filter 2"

10.3.1 Filter 2"

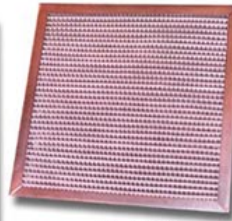


PART #	DESCRIPTION	FILTER EFFICIENCY	QTY
A-0350	FILTER 2" 24.0X24.0 20%	20%	5

10.3.2 Filter 6"



A-0390

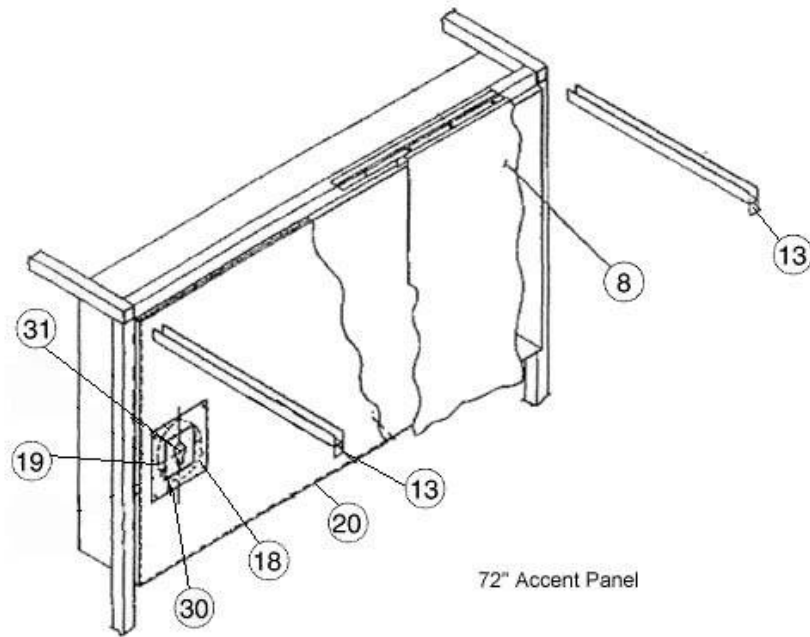


A-0030

PART #	DESCRIPTION	FILTER EFFICIENCY	QTY
A-0010	FILTER 2" 24.0X24.0 20%	20%	5
A-0380	FILTER 4" 24.0X24.0 30% ASHRAE	30%	5
1A17806P6	FILTER 4" 24.0X24.0 45% ASHRAE	45%	5
131042P2	FILTER 4" 24.0X24.0 60-65%	65%	5
A-0030	FILTER 6" 24.0X24.0 65%	65%	5

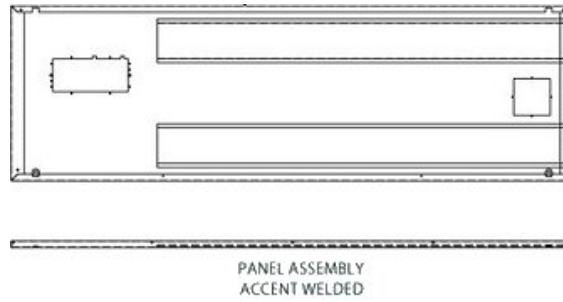
11.0 Accent Panel Section

11.1 Klockner Moeller Disconnect



8	Accent	20	Trim Aluminum Accent
13	Pull Bar	30	Handle Disconnect
18	Disconnect Plate	31	Shaft Extension
19	Bezel		

11.1.1 Accent



PART #	DESCRIPTION	DISCONNECT TYPE	TONNAGE	
			6-8-10	15-20-22-30
1D16721G1	ACCNT 72" 00/15 LOK	GE	1	
1D16721G4	ACCNT 72" 00/15 N/L	GE	1	
1D16721G7	ACCNT 72" 00/15	No Disconnect	1	
1D16721G14	ACCNT 72" 00/15 K/M	Klockner-Moeller	1	
1D16721G3	ACCNT 97" 00/15 LOK	GE		1
1D16721G6	ACCNT 97" 00/15 N/L	GE		1
1D16721G9	ACCNT 97" 00/15	No Disconnect		1
1D16721G16	ACCNT 97" 00/15 K/M	Klockner-Moeller		1

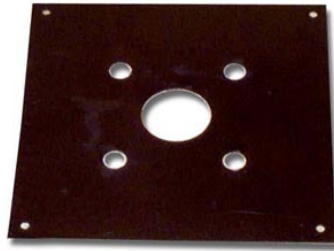
Note: To order a replacement Exterior Panel, you need to add this suffix (Z**L) to the end of the part number.
 **Represents the 2 or 3 digit paint color.

11.1.2 Pull Bar



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
1C13815P1	PULL BAR RIGHT/LEFT	ALL	2	2	2	2

11.1.3 Disconnect Plate



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
1C18707P1	PLATE DISC K/M	ALL	1	1	1	1

11.1.4 Bezel



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
S-6210	BEZEL S3 ON/OFF/DISC	ALL	1	1	1	1

11.1.5 Trim Aluminum Accent



PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22-30
T-0220	TRIM ALUM ACCENT	ALL	1	
T-0240	TRIM ALUM ACCENT	ALL		1

11.1.6 Handle Disconnect



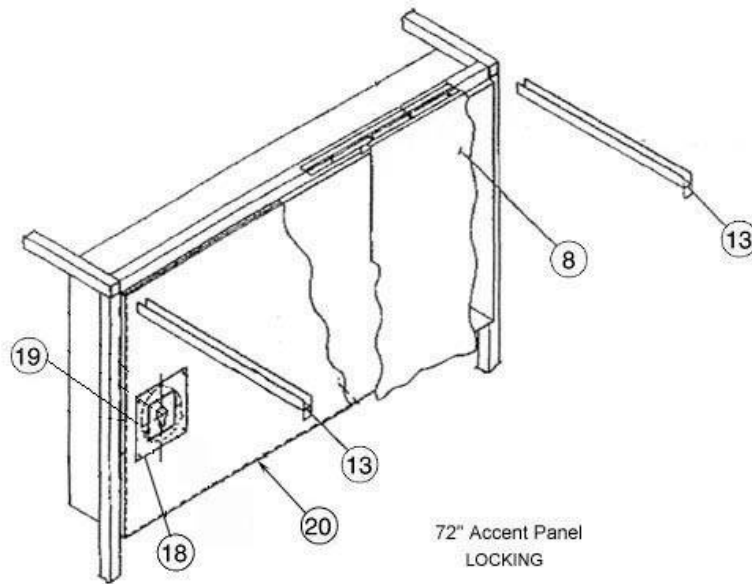
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
1C18354P1	COLLAR LKG DISC W/2 SCREW	ALL	1	1	1	1
1C18352P1	HANDLE DISC SWT/FACEPLATE K/M	ALL	1	1	1	1
1A18353P1	SHAFT EXTENSION K/M DISC SWT	ALL	1	1	1	1
124597P1	PLATE DISC MTG HANDLE	ALL	1	1	1	1

11.1.7 Shaft Extension



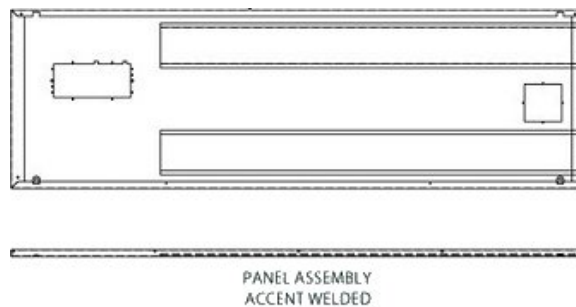
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
1A18353P1	SHAFT EXTENSION K/M DISC SWT	ALL	1	1	1	1

11.2 GE Locking



- | | | | |
|----|--------------------------|----|----------------------|
| 8 | Accent | 19 | Bezel |
| 13 | Pull Bar | 20 | Trim Aluminum Accent |
| 18 | Plate Locking Disconnect | | |

11.2.1 Accent



PART #	DESCRIPTION	DISCONNECT TYPE	TONNAGE	
			6-8-10	15-20-22-30
1D16721G1	ACCNT 72" 00/15 LOK	GE	1	
1D16721G4	ACCNT 72" 00/15 N/L	GE	1	
1D16721G7	ACCNT 72" 00/15	No Disconnect	1	
1D16721G14	ACCNT 72" 00/15 K/M	Klockner-Moeller	1	
1D16721G3	ACCNT 97" 00/15 LOK	GE		1
1D16721G6	ACCNT 97" 00/15 N/L	GE		1
1D16721G9	ACCNT 97" 00/15	No Disconnect		1
1D16721G16	ACCNT 97" 00/15 K/M	Klockner-Moeller		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.

11.2.2 Pull Bar



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
1C13815P1	PULL BAR RIGHT/LEFT	ALL	2	2	2	2

11.2.3 Plate Locking Disconnect



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
F30-0030	Plate Locking Disc	ALL	1	1	1	1

11.2.4 Bezel



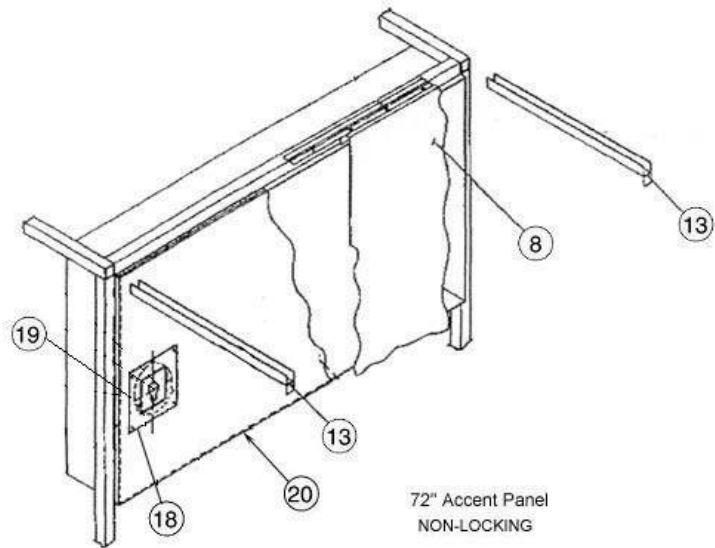
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
S-6210	BEZEL S3 ON/OFF/DISC	ALL	1	1	1	1

11.2.5 Trim Aluminum Accent



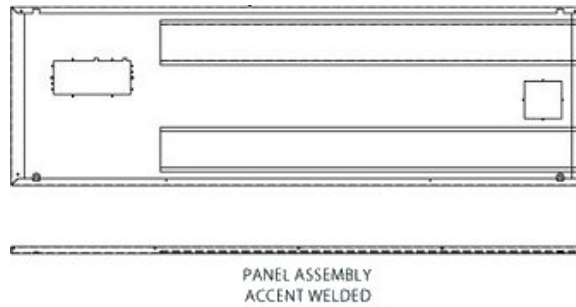
PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22-30
T-0220	TRIM ALUM ACCENT	ALL	1	
T-0240	TRIM ALUM ACCENT	ALL		1

11.3 GE Non-Locking



- | | | | |
|----|--------------------------|----|----------------------|
| 8 | Accent | 19 | Bezel |
| 13 | Pull Bar | 20 | Trim Aluminum Accent |
| 18 | Plate Locking Disconnect | | |

11.3.1 Accent



PART #	DESCRIPTION	DISCONNECT TYPE	TONNAGE	
			6-8-10	15-20-22-30
1D16721G1	ACCNT 72" 00/15 LOK	GE	1	
1D16721G4	ACCNT 72" 00/15 N/L	GE	1	
1D16721G7	ACCNT 72" 00/15	No Disconnect	1	
1D16721G14	ACCNT 72" 00/15 K/M	Klockner-Moeller	1	
1D16721G3	ACCNT 97" 00/15 LOK	GE		1
1D16721G6	ACCNT 97" 00/15 N/L	GE		1
1D16721G9	ACCNT 97" 00/15	No Disconnect		1
1D16721G16	ACCNT 97" 00/15 K/M	Klockner-Moeller		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.

11.3.2 Pull Bar



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
1C13815P1	PULL BAR RIGHT/LEFT	ALL	2	2	2	2

11.3.3 Plate Locking Disconnect



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
F30-0040	PLATE NON LOCKING DISC	ALL	1	1	1	1

11.3.4 Bezel



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
S-6210	BEZEL S3 ON/OFF/DISC	ALL	1	1	1	1

11.3.5 Trim Aluminum Accent



PART #	DESCRIPTION	VOLTS	TONNAGE	
			6-8-10	15-20-22-30
T-0220	TRIM ALUM ACCENT	ALL	1	
T-0240	TRIM ALUM ACCENT	ALL		1

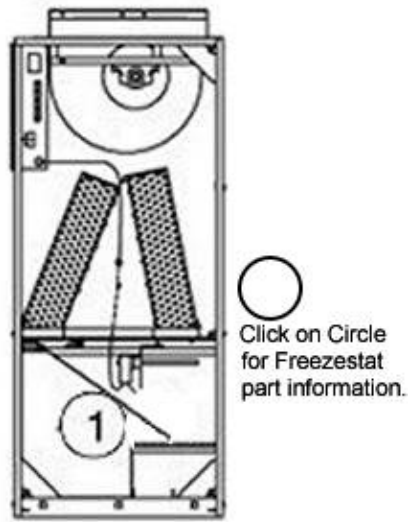
11.4 No Disconnect



PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
F02-9570	COVER DISCONNECT BLANK-OFF	ALL	1	1	1	1

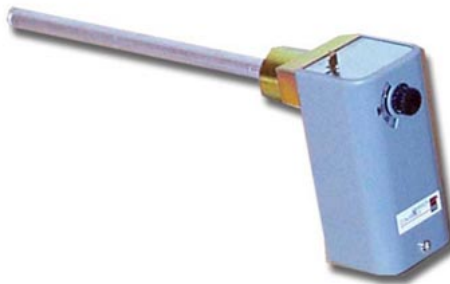
12.0 Miscellaneous Section

12.1 Firestat



- 1 Firestat
- O Freezestat

12.1.1 Firestat



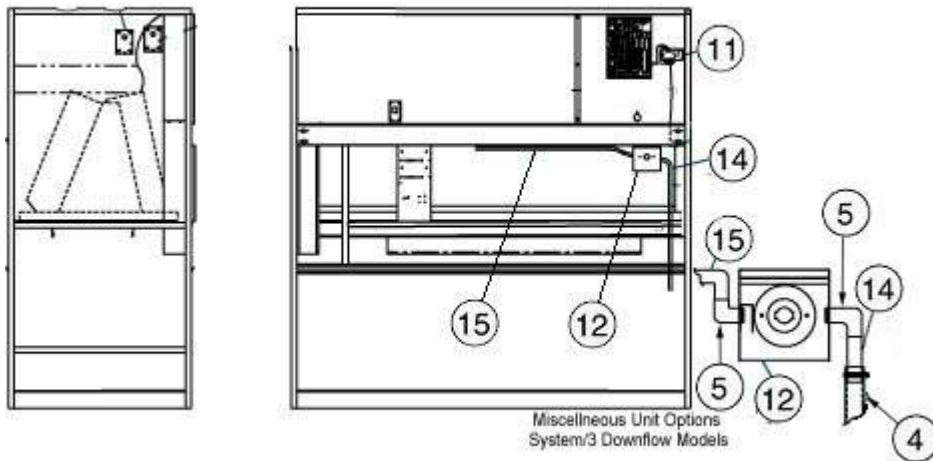
PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E-2350	FIRESTAT OPEN ON RISE	ALL	1	1	1	1	1	1	1

12.1.2 Freezstat



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E02-0110	FREEZSTAT W/BRKT OPN35FCL	ALL	2	2	2	2	2	2	2

12.2 Smoke Detector



- | | | | |
|----|----------------|----|-----------------------------------|
| 4 | Tubing Vinyl | 12 | Smoke Detector Enclosure Assembly |
| 5 | Conduit | 14 | Conn Tube |
| 11 | Smoke Detector | 15 | Tube Form |

12.2.1 Tubing Vinyl



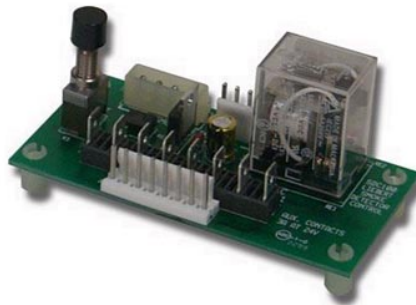
PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
S04-0420	TUBING VINYL CLEAR 3/4ID	ALL	2	2	2	2

12.2.2 Conduit



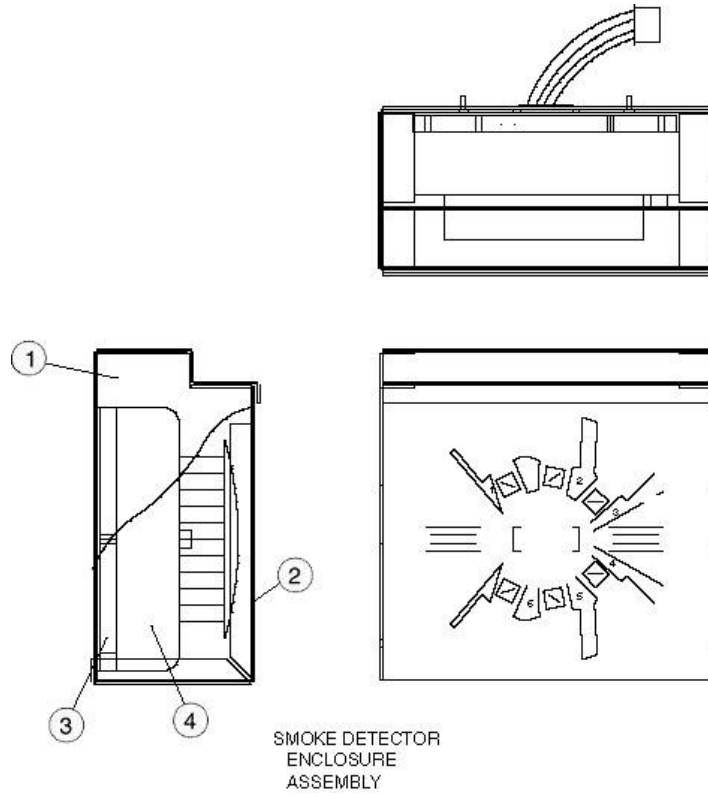
PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
E13-0060	CONDUIT CONN EMT .50 90D SHORT	ALL	2	2	2	2

12.2.3 Smoke Detector



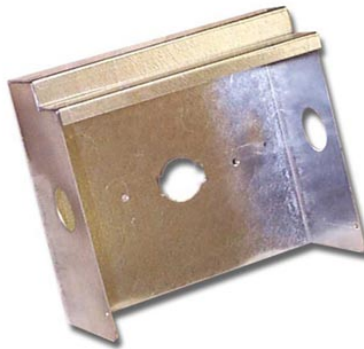
PART #	DESCRIPTION	VOLTS	TONNAGE			
			6-8	10-15	20-22	30
124502P1	PWA SMOKE DET CNTL 24VDC	24V	1	1	1	1

12.2.4 Smoke Detector Enclosure Assembly



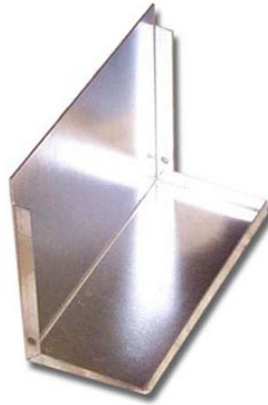
- | | | | |
|---|----------------------|---|----------------------|
| 1 | Smoke Detector Box | 3 | Smoke Detector Base |
| 2 | Smoke Detector Cover | 4 | Photoelectric Sensor |

12.2.4.1 Smoke Detector Box



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
149100P1	BOX SMOKE DETECTOR 731U	ALL	1	1	1	1

12.2.4.2 Smoke Detector Cover



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
149101P1	COVER SMOKE DETECTOR 731U	ALL	1	1	1	1

12.2.4.3 Smoke Detector Base



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
149102P1	BASE SMOKE DETECTOR 702E	ALL	1	1	1	1

12.2.4.4 Photoelectric Sensor



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
149103P1	SMOKE DETECTOR PHOTOELECTRIC SENSOR	ALL	1	1	1	1

12.2.5 Conn Tube



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
F02-8800	CONN TUBE SMOKE DETECTOR	ALL	1	1	1	1

12.2.6 Tube Form



PART #	DESCRIPTION	Volts	TONNAGE			
			6-8	10-15	20-22	30
129323P1	TUBE FORM SAMPLING SMOKE DET	ALL	1	1	1	1

12.3 Compressor Overload 32A

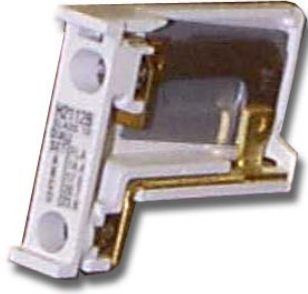
12.3.1 Relay



Overload Relay

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
124547P1	OVERLOAD RELAY W/B MNT 32A C-H	ALL	2	2	2	2	2	2	2

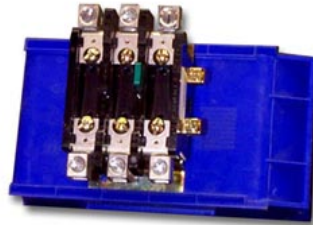
12.3.2 Heater



PART #	DESCRIPTION	QTY
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

12.4 Compressor Overload 60A

12.4.1 Relay



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
155074P1	OVERLOAD RESET BUTTON ASSY	2	2	2	2	2	2	2
E05-5220	OVERLOAD TRIBLOCK AMB-COMP	2	2	2	2	2	2	2
F-4010	COVER OVERLOAD RELAY	2	2	2	2	2		

Compressor Overload 32 AMP C-H

PART #	DESCRIPTION	VOLTAGE	TONNAGE						
			6	8	10	15	20	22	30
155074P1	OVERLOAD RESET BUTTON ASSY	ALL	2	2	2	2	2	2	2
E05-5220	OVERLOAD TRIBLOCK AMB-COMP		2	2	2	2	2	2	2
F-4010	COVER OVERLOAD RELAY		2	2	2	2	2	2	2

Compressor Overload 60 AMP | 60Hz - 208/230/460/575V

12.4.2 Relay

PART #	DESCRIPTION	QTY
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

12.5 Auto Switchover



149117P1



E-2630

12.5.1 SM Controls

PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
E-2630	RELAY T/D 24V 1P1T 10SEC INT	1	1	1	1	1	1	1
E-3530	RELAY T/D 24V 2P2T ADJ 90SEC	1	1	1	1	1	1	1
E-3780	SW PSHBTN MOM SPST NC	1	1	1	1	1	1	1
1C14755P1	COVER ELECT BOX SGL W/HOLE	1	1	1	1	1	1	1
E03-0170	RELAY 1P2T 24V 50/60HZ	1	1	1	1	1	1	1
132487P1	TERMBLK SECTION 1POS	6	6	6	6	6	6	6
132487P2	TERMBLK SECTION END BARRIER	1	1	1	1	1	1	1
E-0450	BOX ELEC SGL SQR CORNR	1	1	1	1	1	1	1
E-2440	RELAY 3P2T 24VAC 125V MAXLOAD	1	1	1	1	1	1	1
E-2580	SW PSHBTN MOM SPST NO	1	1	1	1	1	1	1

Compressor Overload 32 AMP C-H

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
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
E-2440	RELAY 3P2T 24VAC 125V MAXLOAD	ALL	1	1	1	1	1	1	1
132487P1	TERMBLK SECTION 1POS	ALL	6	6	6	6	6	6	6
132487P2	TERMBLK SECTION END BARRIER	ALL	1	1	1	1	1	1	1
E-0450	BOX ELEC SGL SQR CORNR	ALL	1	1	1	1	1	1	1
E-3780	SW PSHBTN MOM SPST NC	ALL	1	1	1	1	1	1	1
E-2580	SW PSHBTN MOM SPST NO	ALL	1	1	1	1	1	1	1

Auto Switchover (SM Controls) | 60Hz - 208/230/460/575V

12.5.2 AM/AG Controls

PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
E-2630	RELAY T/D 24V 1P1T 10SEC INT	1	1	1	1	1	1	1
E-3530	RELAY T/D 24V 2P2T ADJ 90SEC	2	2	2	2	2	2	2
E-3780	SW PSHBTN MOM SPST NC	1	1	1	1	1	1	1
1C14755P1	COVER ELECT BOX SGL W/HOLE	1	1	1	1	1	1	1
E03-0170	RELAY 1P2T 24V 50/60HZ	1	1	1	1	1	1	1
132487P1	TERMBLK SECTION 1POS	8	8	8	8	8	8	8
132487P2	TERMBLK SECTION END BARRIER	1	1	1	1	1	1	1
E-0450	BOX ELEC SGL SQR CORNR	1	1	1	1	1	1	1
E-2440	RELAY 3P2T 24VAC 125V MAXLOAD	1	1	1	1	1	1	1
E-2580	SW PSHBTN MOM SPST NO	1	1	1	1	1	1	1

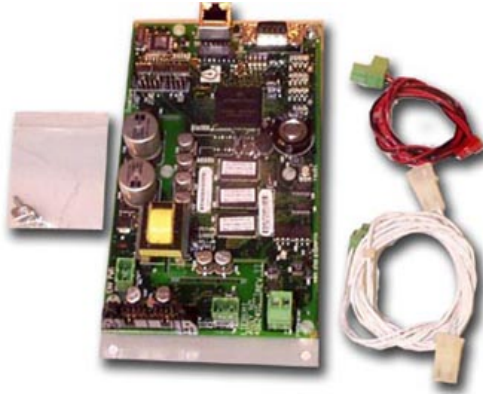
Compressor Overload 32 AMP C-H

PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	1	1	1	1	1	1	1
E-3530	RELAY T/D 24V 2P2T ADJ 90SEC	ALL	2	2	2	2	2	2	2
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
132487P1	TERMBLK SECTION 1POS	ALL	8	8	8	8	8	8	8
132487P2	TERMBLK SECTION END BARRIER	ALL	1	1	1	1	1	1	1
E-0450	BOX ELEC SGL SQR CORNR 2-1/8 DEEP	ALL	1	1	1	1	1	1	1
E-3780	SW PSHBTN MOM SPST NC	ALL	1	1	1	1	1	1	1
149117P1	CONTACTS AUX NO/NC 49ACR6	ALL	1	1	1	1	1	1	1

Auto Switchover (AM/AG Controls) | 60Hz - 208/230/460/575V

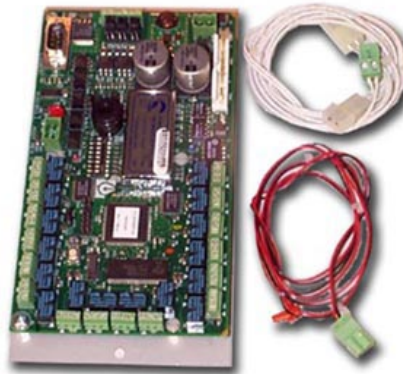
12.6 Kit Open Comms

12.6.1 SM Controls



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
NICS	KIT OPENCOMMS NETWORK CARD	1	1	1	1	1	1	1

12.6.2 SM Controls



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
OC-DOS	KIT OPENCOMMS DISCRETE OUTPUT	1	1	1	1	1	1	1

12.7 Main Fan Aux



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
149117P1	CONTACTS AUX NO/NC 49ACR6	1	1	1	1	1	1	1
132487P1	TERMBLK SECTION 1POS	2	2	2	2	2	2	2
132487P2	TERMBLK SECTION END BARRIER	1	1	1	1	1	1	1

12.8 Hot Gas Reheat



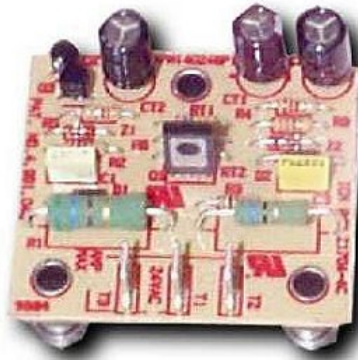
PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
E03-0170	RELAY 1P2T 24V 50/60HZ	1	1	1	1	1	1	1

12.9 Reheat Humidifier Lockout



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
E-0130	RELAY 2P2T 24VAC COIL	1	1	1	1	1	1	1

12.10 Compressor Anti-recycle



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
140248P1	RELAY T/D 24V 3MIN ANTICYCLE	2	2	2	2	2	2	2

12.11 Extra Common Alarm



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
E-2440	RELAY 3P2T 24VAC 125V MAXLOAD	1	1	1	1	1	1	1

12.12 Analog Input



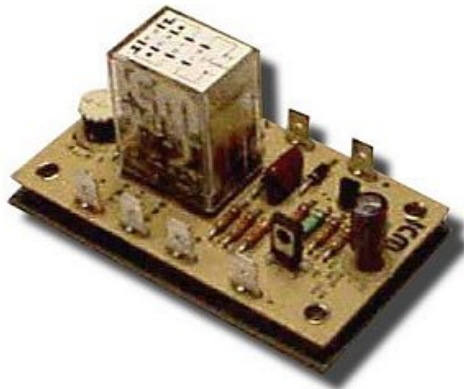
PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
140615G1	WH LV S3 ANALOG INP P10 AM/AG	1	1	1	1	1	1	1
132487P1	TERMBLK SECTION 1POS	2	2	2	2	2	2	2
132487P2	TERMBLK SECTION END BARRIER	1	1	1	1	1	1	1

Compressor Overload 32 AMP C-H

PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
140615G1	WH LV S3 ANALOG INP P10 AM/AG	1	1	1	1	1	1	1
132487P1	TERMBLK SECTION 1POS	4	4	4	4	4	4	4
132487P2	TERMBLK SECTION END BARRIER	1	1	1	1	1	1	1

Analog Input (AM/AG) 60Hz - 208/230/460/575V

12.13 Low Suction Press



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
E-4650	RELAY T/D 24V 2P2T NO 480 SEC	2	2	2	2	2	2	2
E03-0170	RELAY 1P2T 24V 50/60HZ	4	4	4	4	4	4	4

12.14 AM/AG Liquitect



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
132487P1	TERMBLK SECTION 1POS	ALL	2	2	2	2	2	2	2
132487P2	TERMBLK SECTION END BARRIER	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

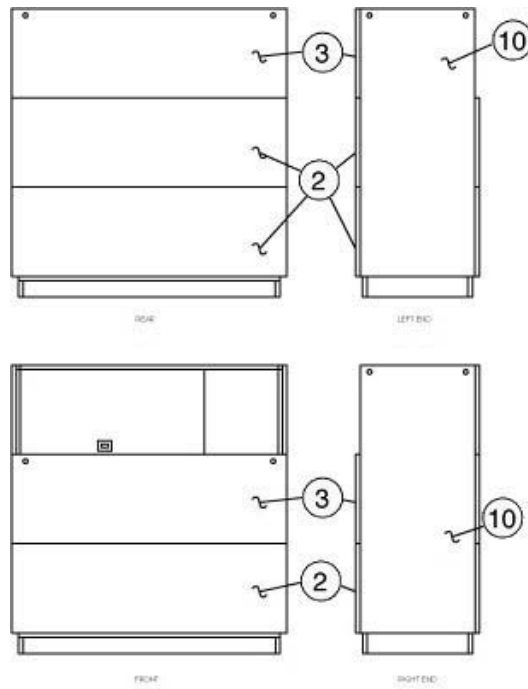
12.15 SM Compressor Dehumidifier



PART #	DESCRIPTION	VOLTS	TONNAGE						
			6	8	10	15	20	22	30
E03-0170	RELAY 1P2T 24V 50/60HZ	ALL	2	2	2	2	2	2	2
132487P1	TERMBLK SECTION 1POS	ALL	2	2	2	2	2	2	2
132487P2	TERMBLK SECTION END BARRIER	ALL	2	2	2	2	2	2	2
E-3530	RELAY T/D 24V 2P2T ADJ 90SEC	ALL	2	2	2	2	2	2	2

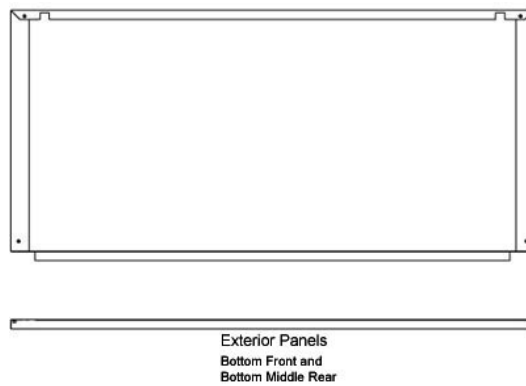
13.0 Exterior Panel Section

13.1 6/8/10/15/20/22 Ton



- 2 Panel Front-Bottom, Rear-Middle and Bottom
- 3 Panel Front-Middle, Rear-Top
- 10 Panel Left/Right End

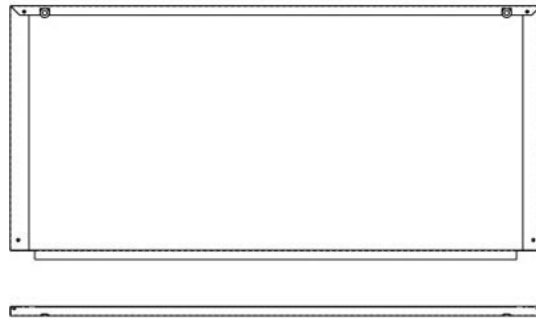
13.1.1 Panel Front-Bottom, Rear-Middle and Bottom



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
F02-7080	PANEL EXT FR-BTM RR-MDL&BTM	3	3	3				
F02-7100	PANEL EXT FR-BTM RR-MDL&BTM				3	3	3	3

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 Panel Front-Middle, Rear-Top

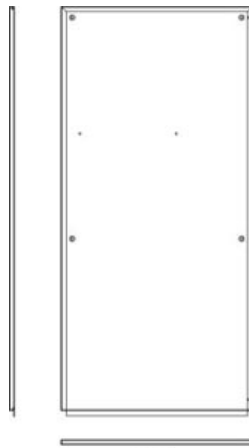


Exterior Panels
Top Rear and Middle Rear

PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
F02-7110	PANEL EXT FR-MDL RR-TOP	2	2	2				
F02-7130	PANEL EXT FR-MDL RR-TOP				2	2	2	2

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 Panel Left/Right End

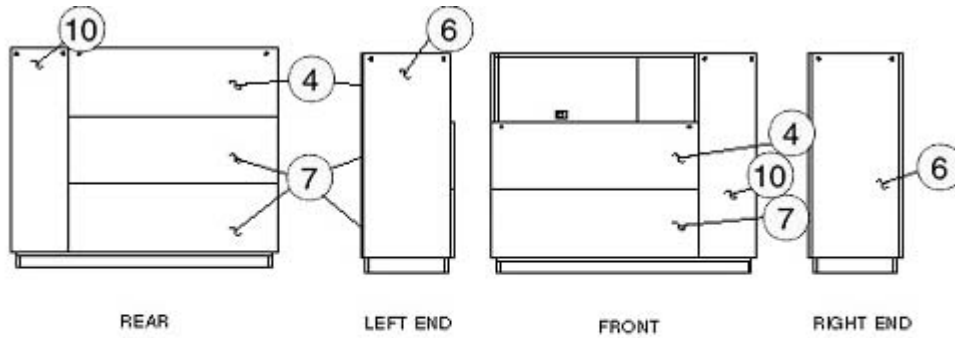


PANEL
END LIFTOFF

PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
1C21770P2	Exterior Panel Left/Right End	2	2	2	2	2	2	2

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.

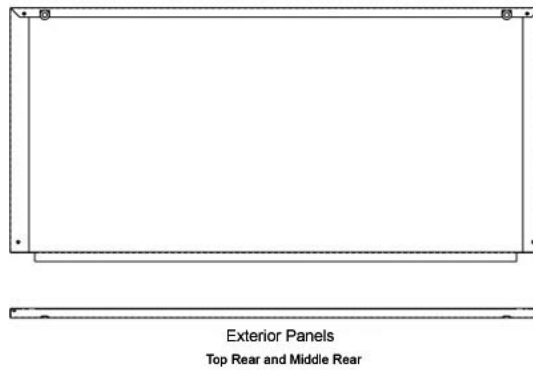
13.2 30Ton



PANELS EXTERIOR ASSEMBLY
120" FRAME
DOWN FLOW

- 4 Panel Front-Middle, Rear-Top
- 6 Panel Left/Right End
- 7 Panel Front-Bottom, Rear-Middle and Bottom
- 10 Panel Left-Rear 120"

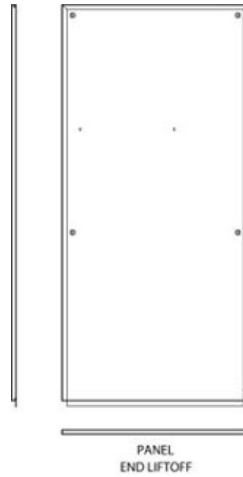
13.2.1 Panel Front-Middle,Rear-Top



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
F02-7110	PANEL EXT FR-MDL RR-TOP	2	2	2				
F02-7130	PANEL EXT FR-MDL RR-TOP				2	2	2	2

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.

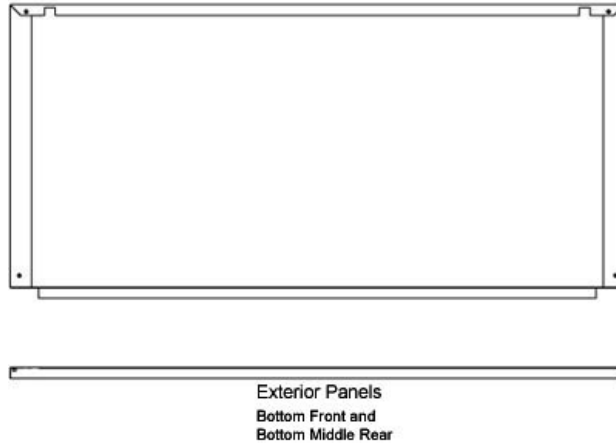
13.2.2 Panel Left/Right End



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
1C21770P2	Exterior Panel Left/Right End	2	2	2	2	2	2	2

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

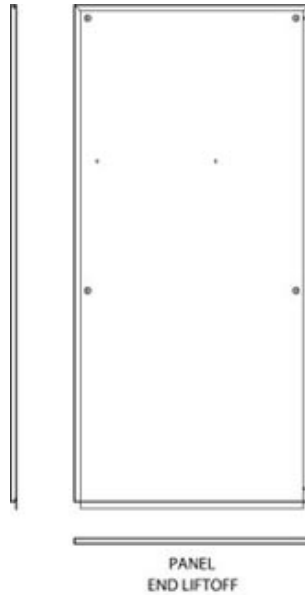
13.2.3 Panel Front-Bottom, Rear-Middle and Bottom



PART #	DESCRIPTION	TONNAGE						
		6	8	10	15	20	22	30
F02-7080	PANEL EXT FR-BTM RR-MDL&BTM	3	3	3				
F02-7100	PANEL EXT FR-BTM RR-MDL&BTM				3	3	3	3

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.

13.2.4 Panel Left-Rear 120"



PART #	DESCRIPTION	30 TON
1C21770P4	Panel Exterior Left-Rear 120"	2

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 Liebert Color Selector

Liebert Color Selector
Standard Colors

 Z-0350	 Z-0430	 Z-0190	 Z-0620	 Z-0990
 Z-0690	 Z-1320	 Z-0420	 Z-0410	 Z-1250
 Z-1570	 Z-1730	 Z-0390	 Z-1180	 Z-1360

Your Specialty colors available at additional cost.
Consult Liebert Corporation