



Deluxe System 3 Level 1,2,3 Parts Manual 60 Hz Rev. 12/89

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Computer Support Systems
• Environmental Control • Power Protection
• Monitoring/Control

SYSTEMS

Level 1, 2, 3 Microprocessors

Parts Manual
60 Hertz

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Using This Parts Book

Find No. The first digit represents the page number of the photo reference. The next number is the item number which calls out the part.

Part Number Find the part number in the appropriate column. In some cases, the part number is the same for multiple voltages. See shaded portion below.

RSP Recommended Spare Parts. One part (one set of parts) should be kept on hand for every five units.

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
Pg. 8	95° Ambient to 5000 Ft.	D-0450 (FCA8)				
Pg. 8	100° Ambient to 5000 Ft.*	D-0460 (FCA12)				
Pg. 8	105° Ambient to 5000 Ft.**	D-0460 (FCA-12)				
8-20	Fan Speed Control Condenser Motor	B-095C				
8-23	Condenser Fan Motor	D-0680				X
8-1	Fan Speed Control Motor Fan Blade	D-016D				
8-1A	Fan Motor Blade	D-016C				X
8-2	Fan Guard	D-016G				X
8-19	Fan Speed Control Capacitor	B-095B				X
8-21	Boot	B-1450				
8-22	Strap	B-1460				
8-25	Relief Valve	W-0170				
8-10	Fuseblock	E-1030		E-1060		
8-11	Fuse	E-2070		E-2410		
8-16	Transformer 75 VA	E-007A		E-007B	E-007C	
8-12	Transformer 1.5 kVA			E-0010	E-0020	
8-15	Circuit Breaker	E-276C				

F H 245 A - A 02 ——— Electronics Level

01 = Level One

02 = Level Two without local monitor

03 = Level Two with local monitor

————— Voltage Code

————— System Type

A = Air Cooled

W = Water Cooled

G = Glycol & Glycool Cooled

C = Chilled Water Cooled

————— Nominal Cooling Capacity

245 = 245,000 BTUH

————— Series

E = with Econ-O-Coil

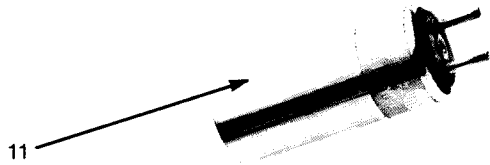
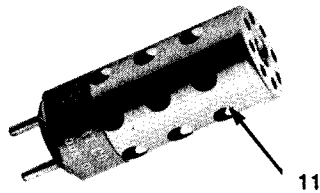
H = without Econ-O-Coil

————— Air Pattern

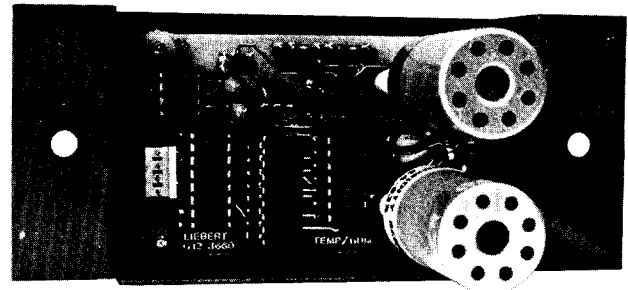
F = Down Discharge

U = Up Discharge

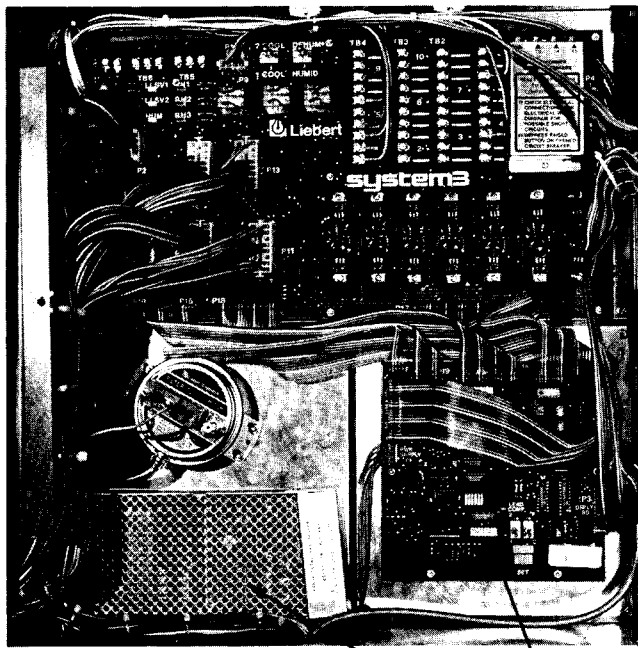
LETTER	VOLTAGE	PHASE	HERTZ
C	208	3	60
D	230	3	60
E	416	3	60
A	460	3	60
B	575	3	60
J	200	3	50
H	230	3	50
F	380	3	50
U	400/415	3	50



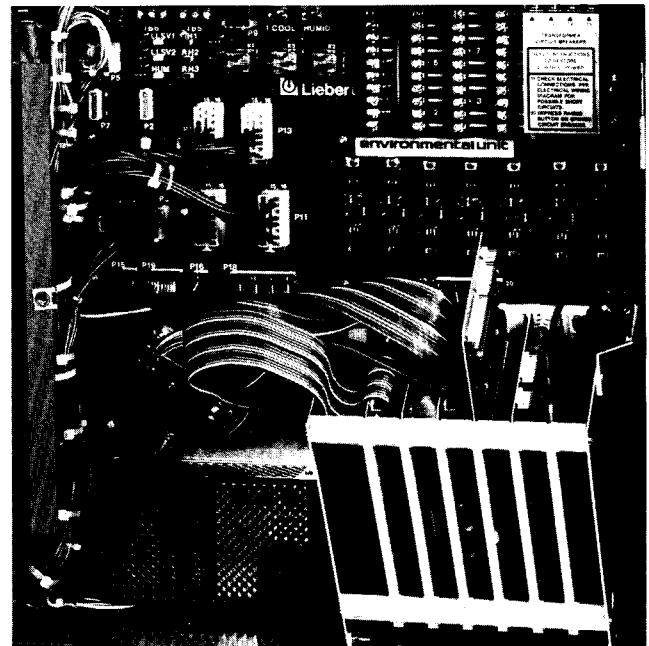
TEMP./HUMID. SENSORS



TEMPERATURE/HUMIDITY SENSOR



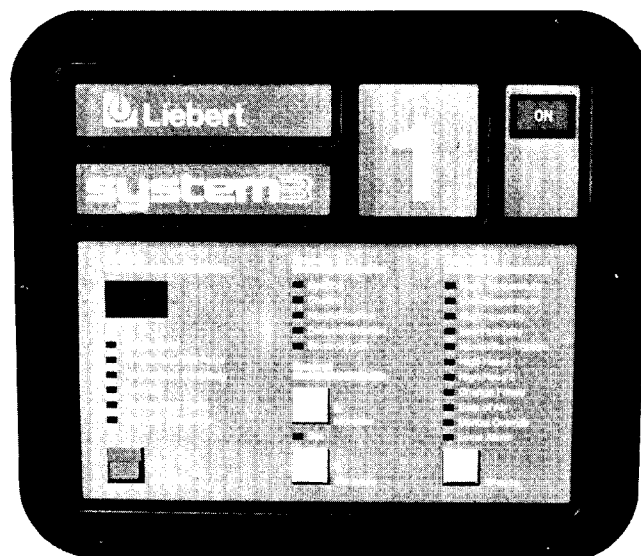
STANDARD MICROPROCESSOR



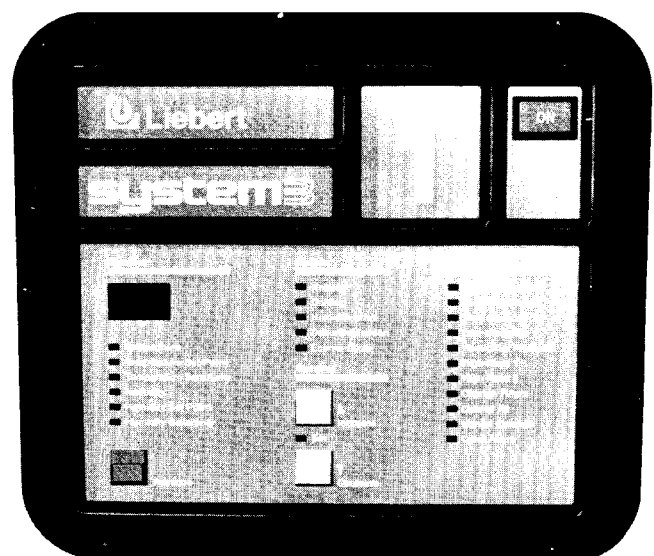
EXTENDED MICROPROCESSOR



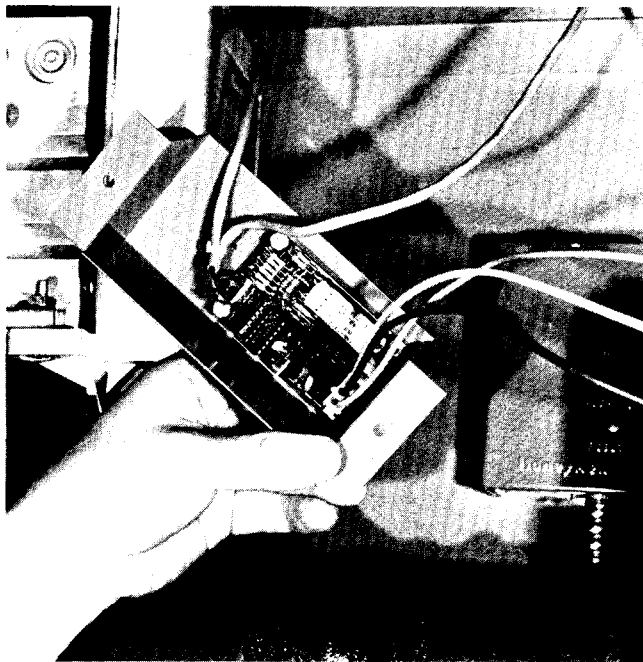
EXTENDED (MONITOR AT SITE MASTER)



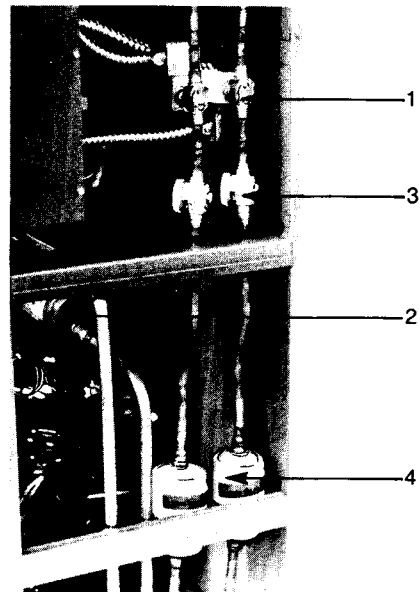
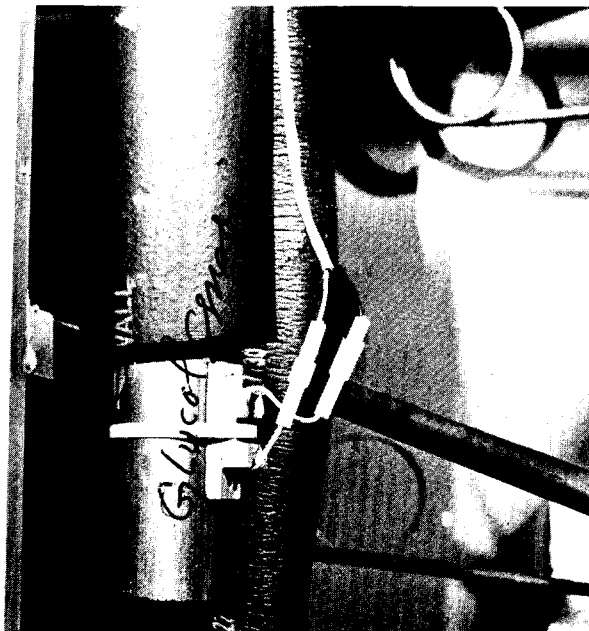
STANDARD MONITOR



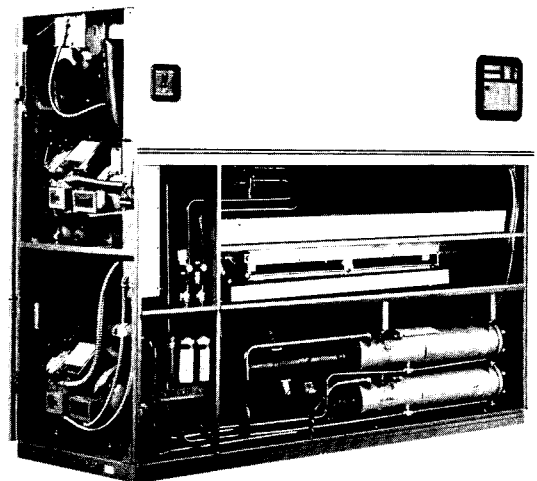
EXTENDED LOCAL MONITOR



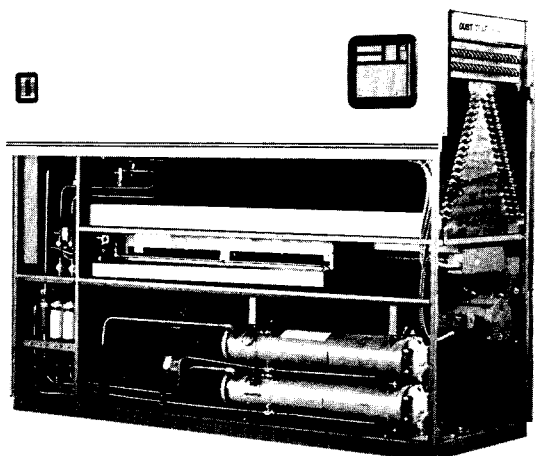
GLYCOOL COMPARATOR SENSORS

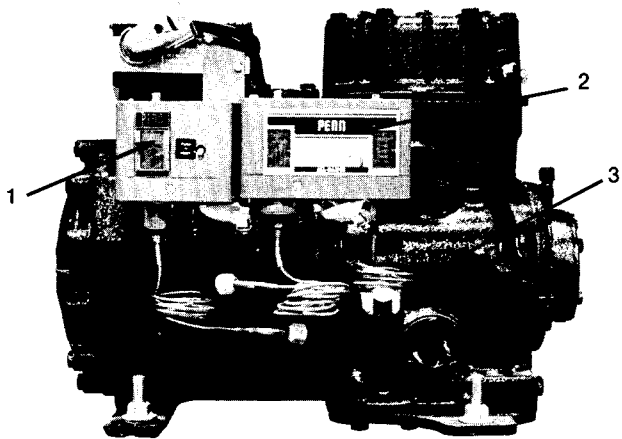


DX COMPONENTS

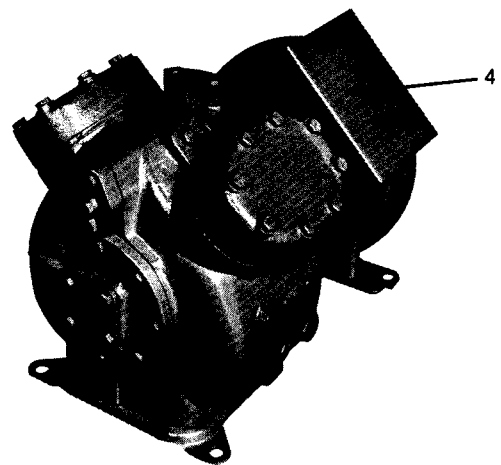


GLYCOOL SYSTEM

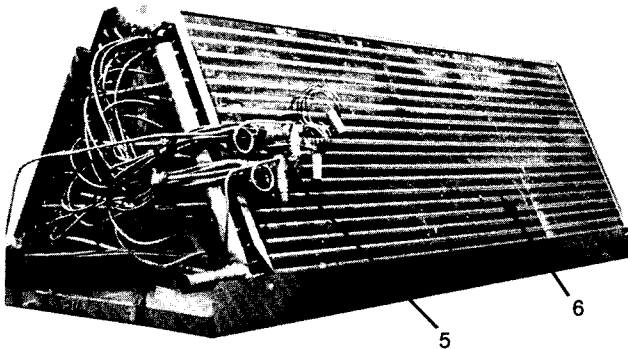




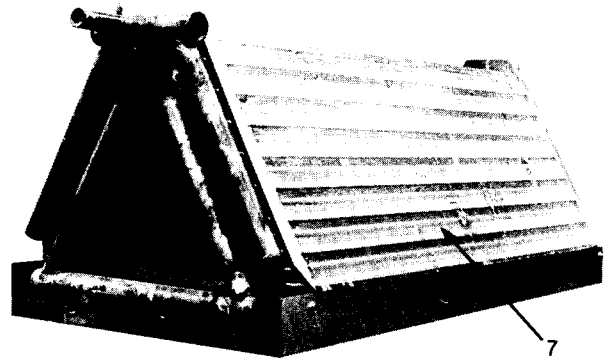
COPELAND COMPRESSOR



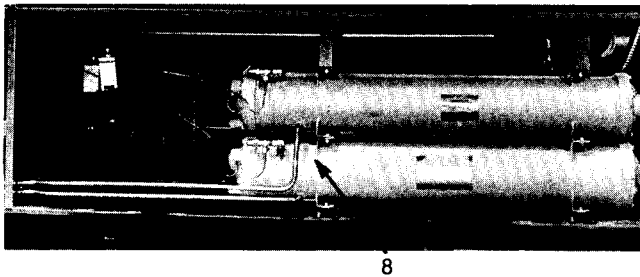
CARRIER COMPRESSOR



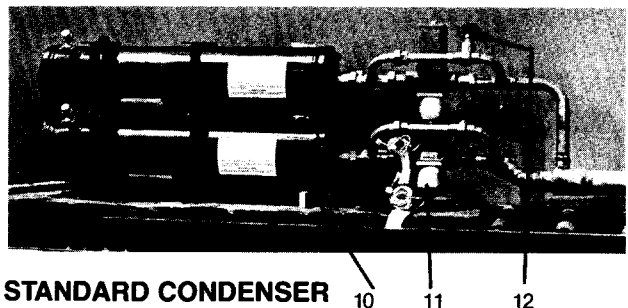
DX COIL



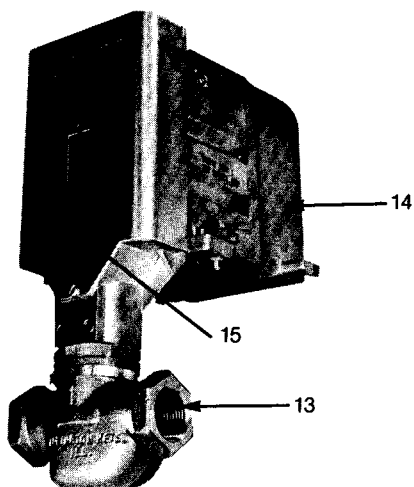
CHILLED WATER COIL



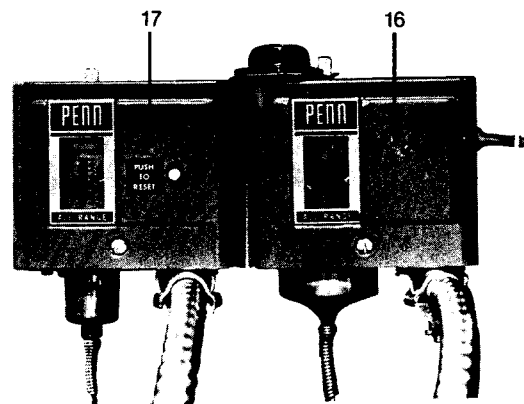
AMETEK CONDENSER



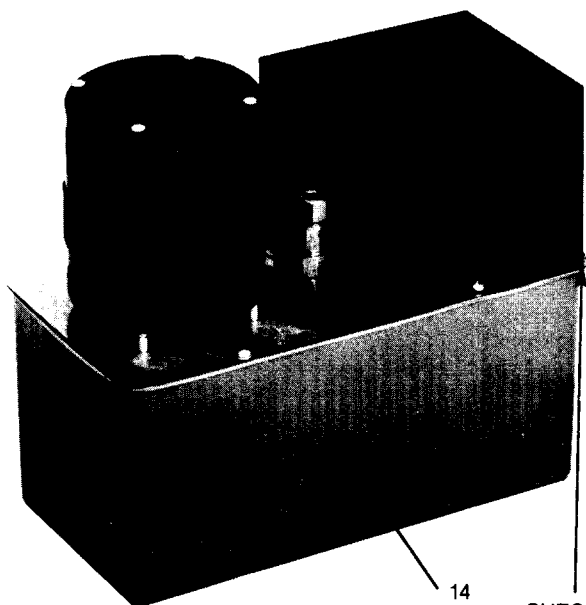
STANDARD CONDENSER



MODULATING CHILLED WATER VALVE

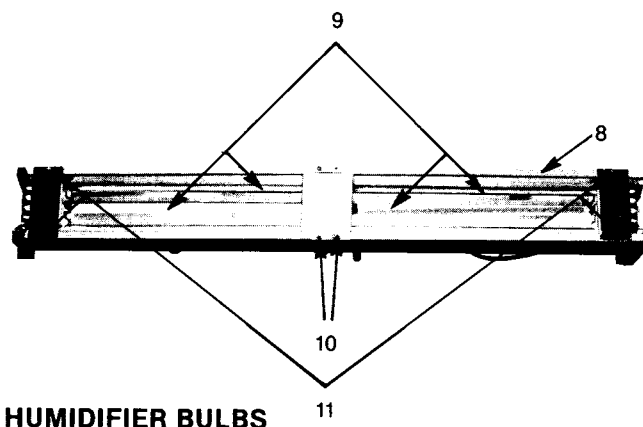
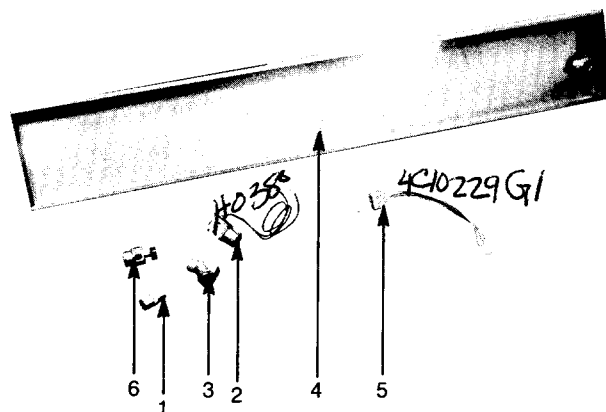


PRESSURE SWITCHES

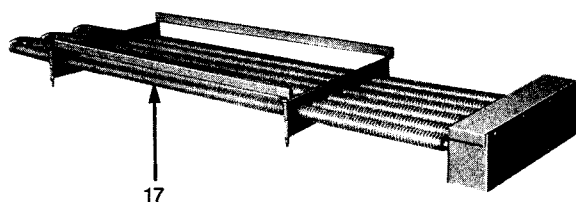


CONDENSATE PUMP (OPTIONAL)

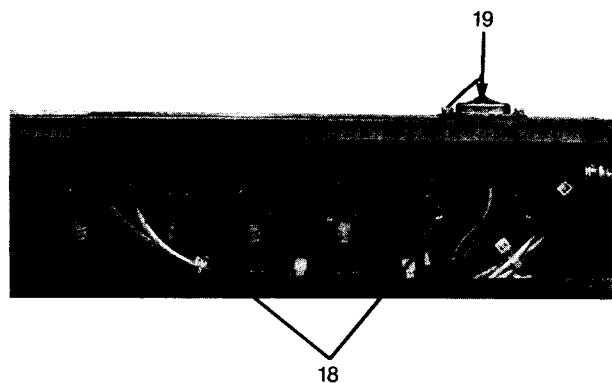
CHECK VALVE



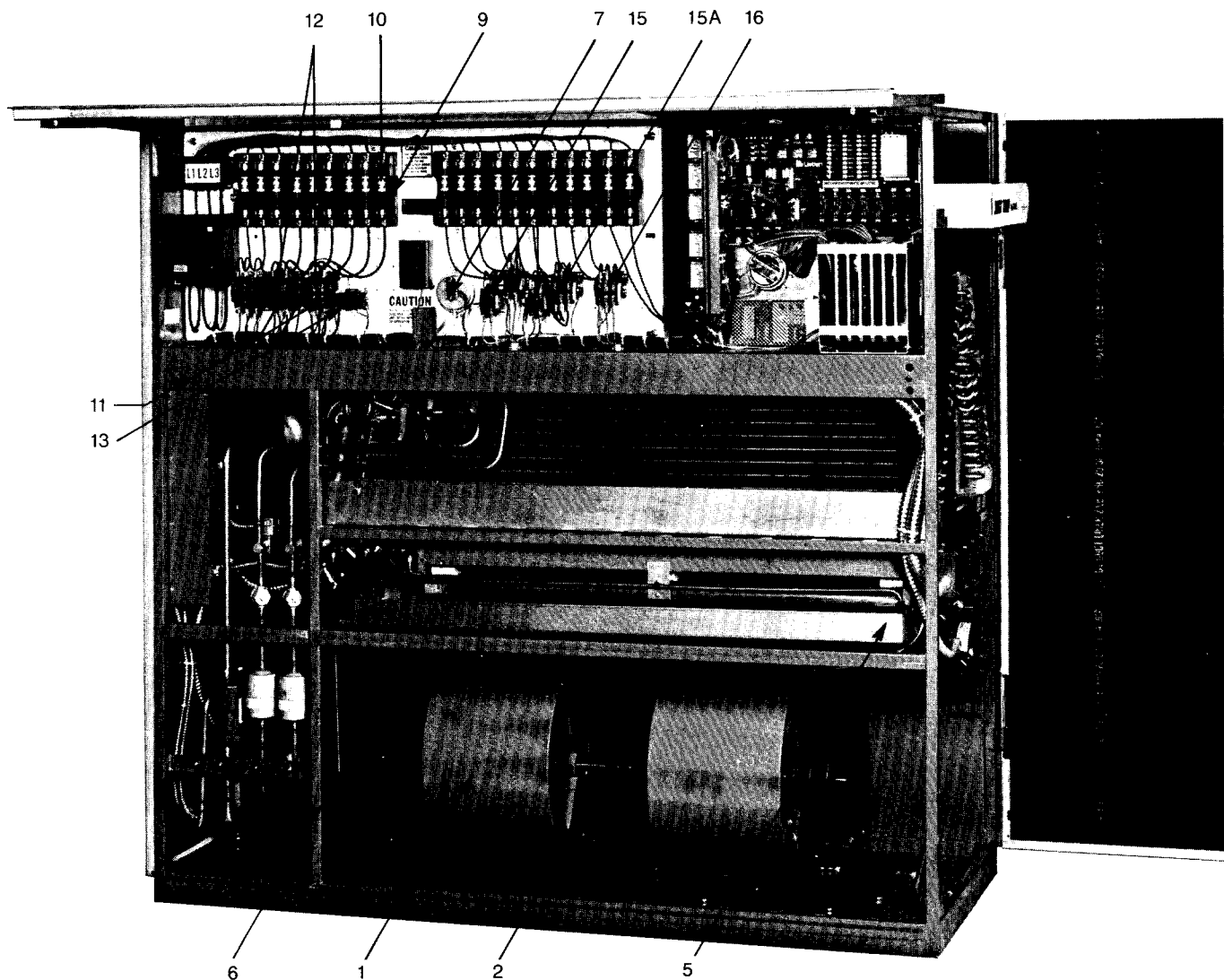
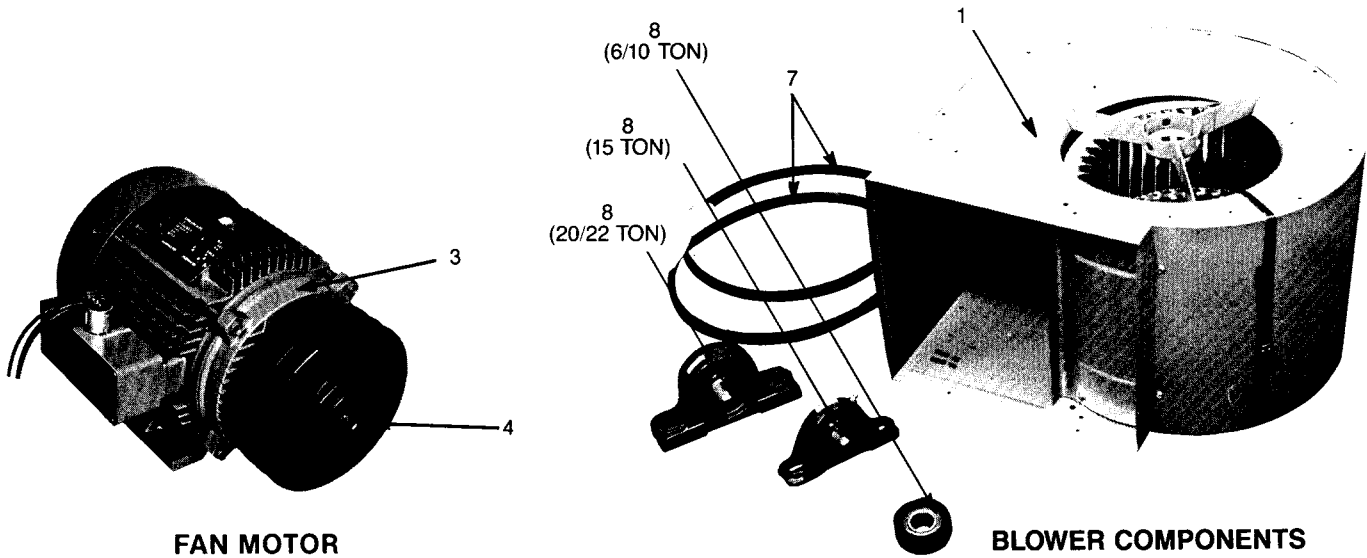
HUMIDIFIER BULBS

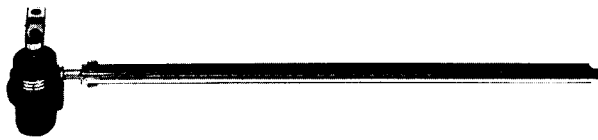


REHEAT

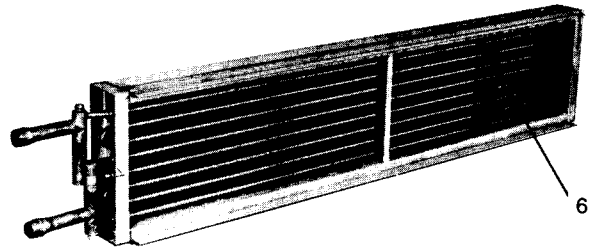


REHEAT COMPONENTS

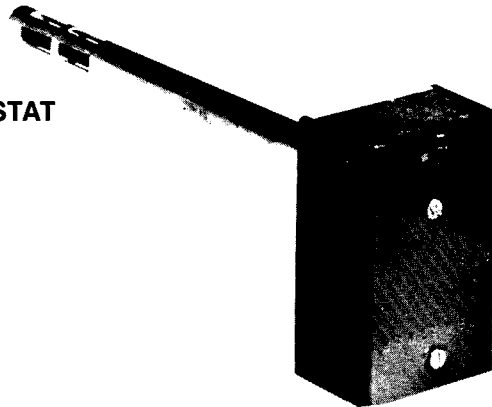




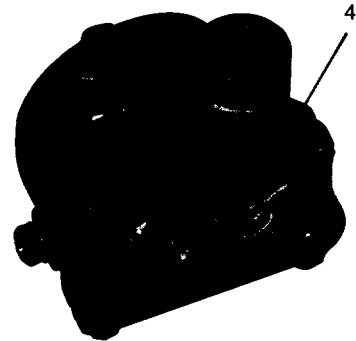
STEAM HUMIDIFIER



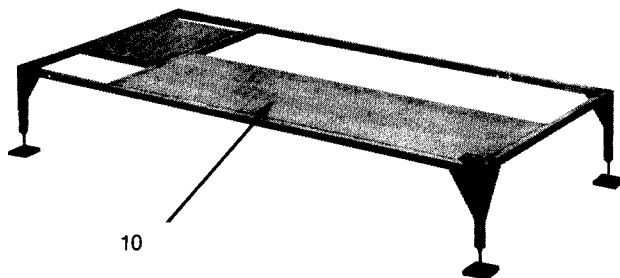
STEAM/HOT WATER REHEAT



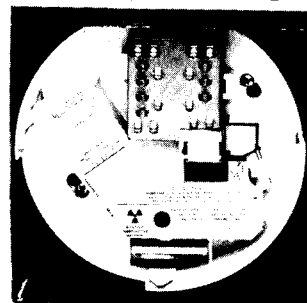
FIRE STAT



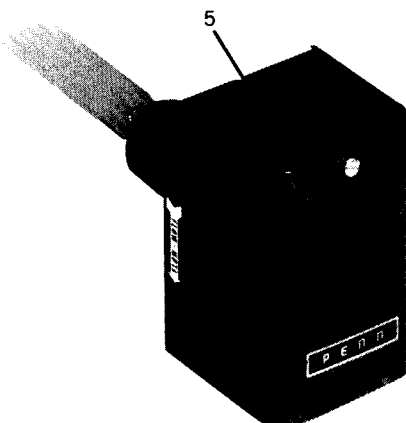
F & T TRAP



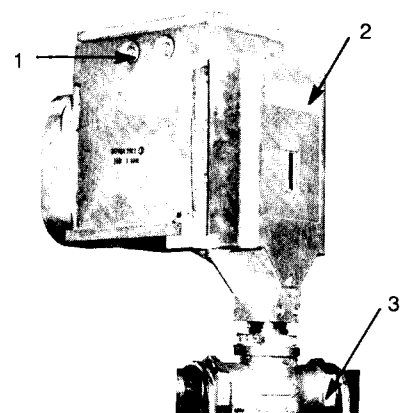
FLOOR STAND



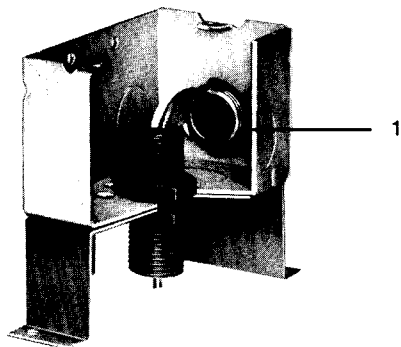
SMOKE DETECTOR



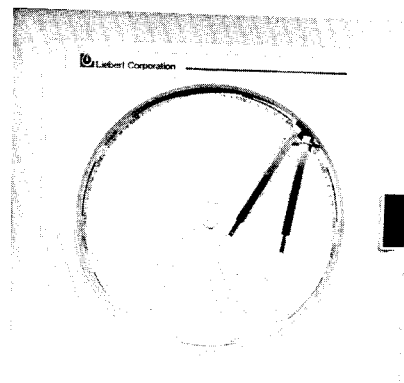
FLOW SWITCH



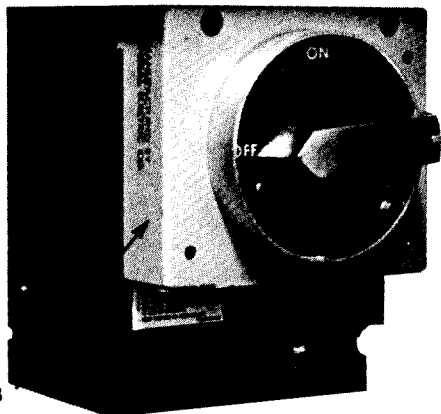
HOT WATER REHEAT VALVE



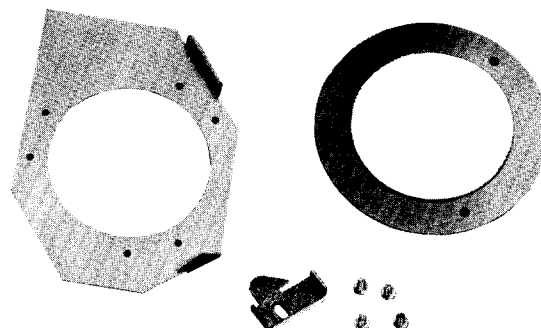
LIQUITECT



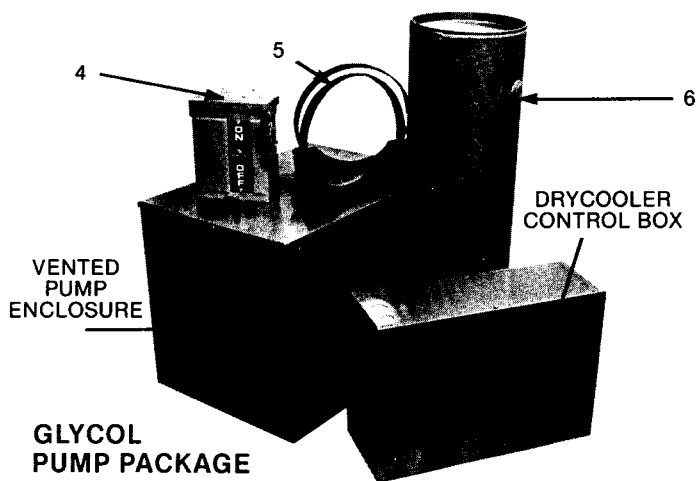
REMOTE TEMPERATURE & HUMIDITY RECORDER



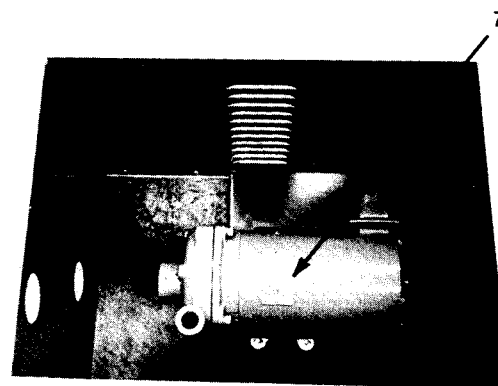
LOCKING DISCONNECT



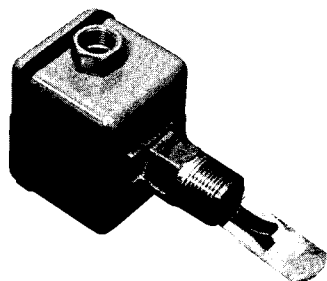
LOCKING DISCONNECT COMPONENTS



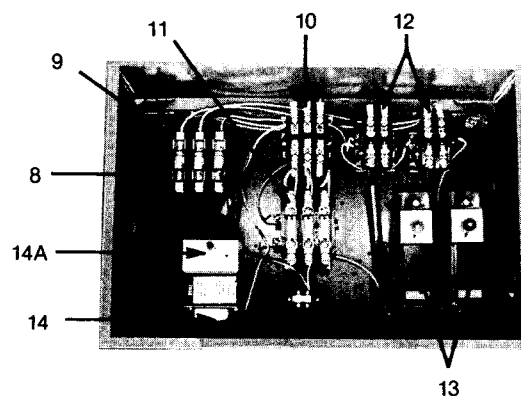
GLYCOL PUMP PACKAGE



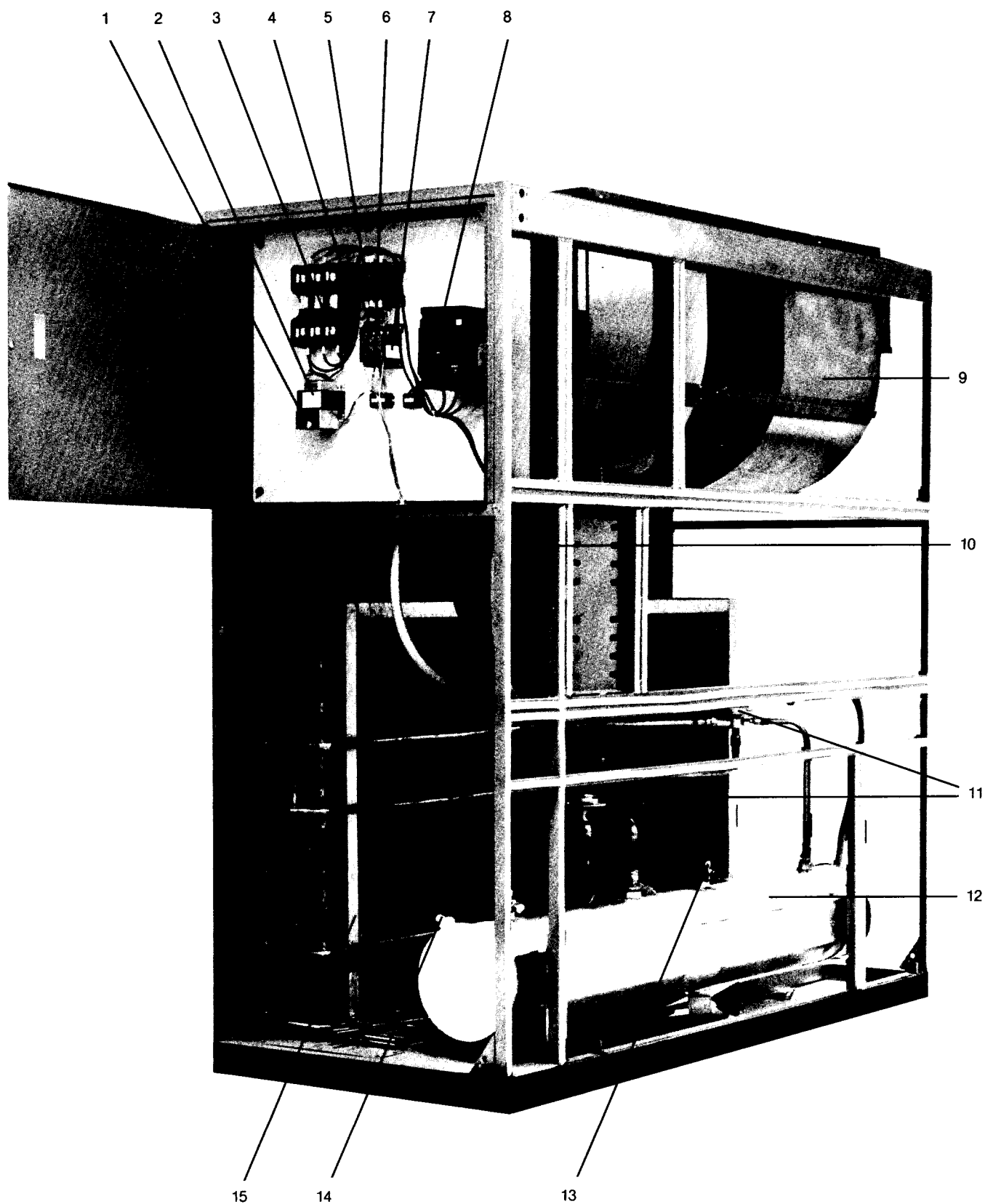
GLYCOL PUMP



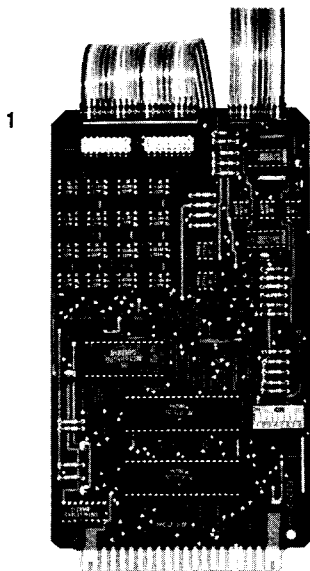
OUTDOOR GLYCOL FLOW SWITCH



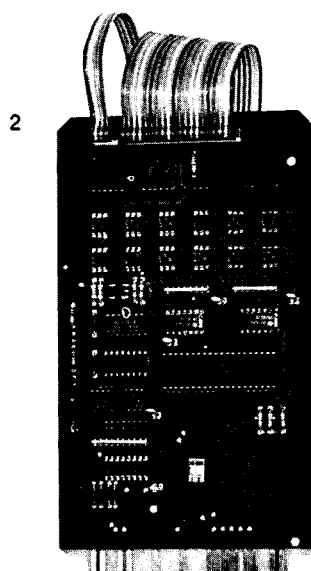
PUMP CONTROL BOX



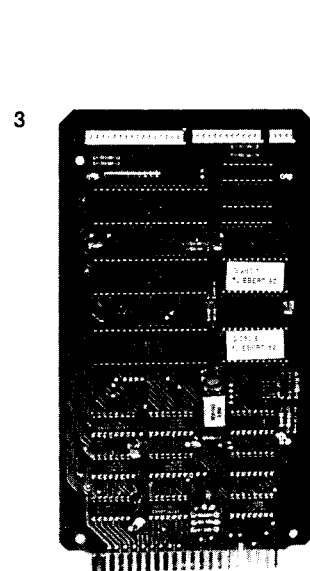
SERIES PB CONDENSER



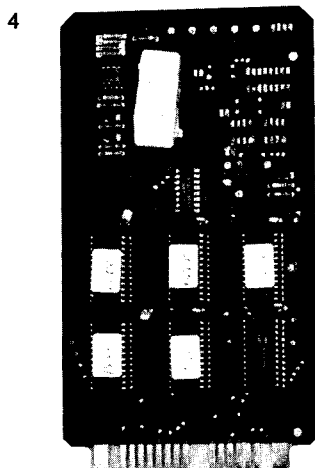
INPUT CARD



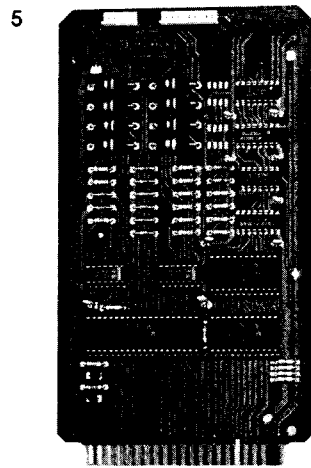
OUTPUT CARD



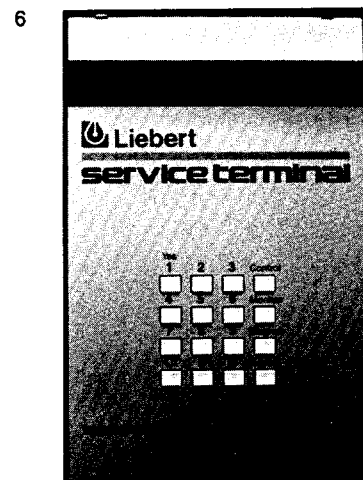
MICROPROCESSOR CARD



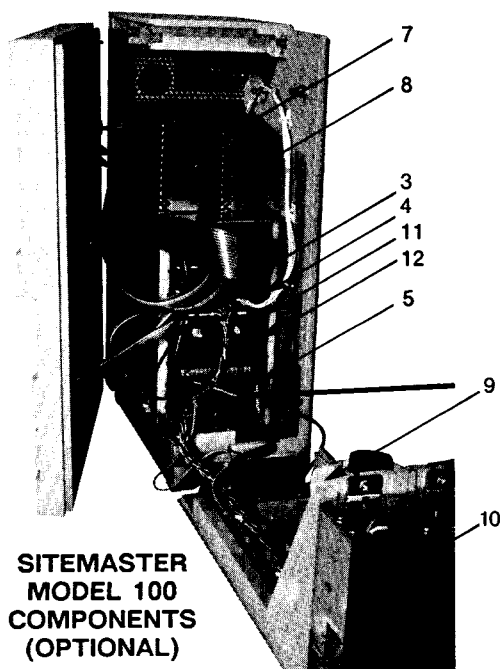
EPROM/ALARM CARD



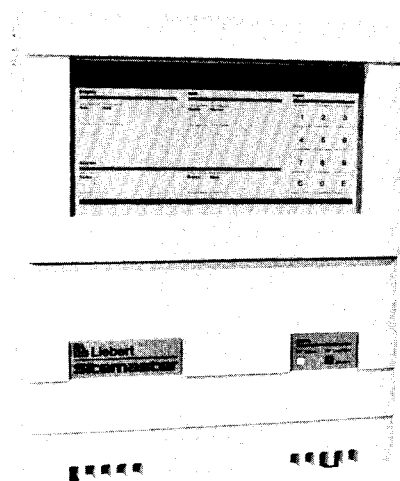
COMMUNICATION CARD



SERVICE TERMINAL



**SITEMASTER
MODEL 100
COMPONENTS
(OPTIONAL)**



**SITEMASTER
MODEL 100
(CLOSED)**

6 TON FH/UH 72G, 75A, 86W

MAIN FAN SECTION

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
5-3	Main Fan 1.0 HP	B-016B	B-016B	B-016B	B-017A	
5-3	Main Fan 1.5 HP	B-019A	B-019A	B-019A	B-020A	
5-5	Fan Pulley	B-0540	B-0540	B-0540	B-0540	
5-4	Motor Sheave	B-005B	B-005B	B-005B	B-005B	
5-1	Blower, Wheel Housing (2 Required)*	B-0010	B-0010	B-0010	B-0010	X
5-7	Air Sail Switch (Air Flow Sensing)	B02-0190	B02-0190	B02-0190	B02-0190	
5-2	Fan Shaft	B-0020	B-0020	B-0020	B-0020	X
5-8	Bearing (3 Required)	B-0040	B-0040	B-0040	B-0040	X
5-16	Contactor (1 Required)	E-0110	E-0110	E-0110	E-0110	X
5-9	Fuseblock (1 Required)	E-1020	E-1020	E-1050	E-1050	
5-10	Fuse (3 Required)	E-2070	E-2070	E-2410	E-2410	
5-7	Belts (V) (2 Required)	B-060A	B-060A	B-060A	B-060A	
5-7	Belts (D) 1.5 HP (2 Required)	B-0550	B-0550	B-0550	B-0550	

COMPRESSOR SECTION

3-4	Compressor (Carlyle) w/o unloader	1C16603P1	1C16603P1	1C16603P2	1C16603P3	
3-3	Compressor (Copeland)	C-050B	C-050B	C-050A	C-050C	
5-12	Contactor (2 Required)	E-009F	E-009F	E-009F	E-009F	X
5-9	Fuseblock (2 Required)	E-1020	E-1020	E-1050	E-1050	
5-13	Aux. Contact-Normally Open	E-010A	E-010A	E-010A	E-010A	
5-13	Aux. Contact-Normally Closed	E-010B	E-010B	E-010B	E-010B	
3-16	Pressure Switch-Low FSC	P-3070	P-3070	P-3070	P-3070	X
3-17	Pressure Switch-Hi FSC	P-3080	P-3080	P-3080	P-3080	X
3-2	Pressure Switch-Hi/Low (Lee-Temp)	P-001B	P-001B	P-001B	P-001B	X
5-10	Fuse (6 Required)	E-1230	E-1230	E-2410	E-2410	
----	Valveplate and Gasket Kit (Carlyle)	C-0970	C-0970	C-0970	C-0970	X

REHEAT SECTION

4-19	Safety Switch, 190°F (V) (1 Required)	R-0130	R-0130	R-0130	R-0130	X
4-18	Safety Switch, 125°F (V) (2 Required)	R-013A	R-013A	R-013A	R-013A	X
4-17	Heater (3 Required)	1D11398P1	1D11398P2	1D11398P4	1D11398P5	
5-15	Contactor (3 Required)	E-011A	E-011A	E-011A	E-011A	X
5-9	Fuseblock (3 Required)	E-1020	E-1020	E-1050	E-1050	
5-10	Fuse (6 Required)	E-1230	E-1230	E-2410	E-2410	
	Safety (D) (2 Required)			R-0970		
5-15A	Contactor-Backup (1 Required)			E-0110		

HUMIDIFIER SECTION

---	Reflector Support (2 Required)	F-6100	F-6100	F-6100	F-6100	
4-8	Reflector, Double (1 Required)	F-601C	F-601C	F-601C	F-601C	
4-9	Quartz Lamp (4 Required)	H-002A	H-0020	H-0020	H-0030	X
5-5	Pan		1C13235G4			X
4-10	Middle Block Cover (1 Required)		F-601D			
4-11	End Block Cover (2 Required)		F-6090			
5-6	Rubber DrainTrap		P-5500			
	Bus Bar, Long		H-0360			X
	Bus Bar, Short		H-0370			X
	Porcelain Socket		H-014A			X
	Power Block (Insulated Bus Bar, Amber)		H-0460			X
4-4	Probe Assembly	4C10229G1 (4 Prong)		1C16612G1 (2 Prong)		X
---	Probe Bracket			F30-048A/S-177B (Screws)		
	Safety Switch, 150°F	R13-0090	R13-0090	R13-0090	R13-0090	X
5-9	Fuseblock (1 Required)	E-1040	E-1020	E-1050	E-1060	
5-11	Contactor (1 Required)	E-0100	E-0100	E-0100	E-011C	X
5-10	Fuse (3 Required)	E-1200	E-2090	E-2020	E-2020	X
4-2	Solenoid Valve (Prior to 5-1-84)			H-0380		

* The amount required refers to quantity of parts used on a standard A/C unit.

6 TON FH/UH 72G, 75A, 86W (Continued)

HUMIDIFIER SECTION (Continued)

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
4-3	*Y" Strainer (Prior to 5-1-84)		H-0390			
4-1	Flow Regulating Valve (Prior to 5-1-84)		H-0440			
	Solenoid Valve Assy (Aft 5-1-84) Replaces H-380		1C11414G1			
	Solenoid Valve (After 5-1-84)		P-5590			X
	Standpipe w/nut (After 5-1-84)		1C18003G2			X
	Manual Reset Safety (HI Limit)		H-0450			X

REGRIGERATION SECTION

2-1	Solenoid Valve	P-0070		X
2-2	Muffler	P-0040		
2-3	Liquid Indicator	P-0050		
2-4	Filter Drier	P-0020		
	Solenoid Coil	P-5770R		
	Solenoid Internal Parts Kit	P-5790R		
3-6	DX Coil (New Style)	006-0005		
3-5	Expansion Valve (New Style)	P02-0180		
	Drain Pan	F-024A		

HEAT REJECTION EQUIPMENT

GLYCOL AND WATER COOLED

6-5	Flow Switch (Indoor)	P-4120		
3-10	Shell and Tube Condenser (Ametek)†	J-009G (Gasket Pt.# J-026A)		
3-8	Shell and Tube Condenser (Ametek) †	J-009H (Gasket Pt.# J-026A)		
3-11	Water Regulating Valve - 3 Way	P-0340		
3-11	Water Regulating Valve - 2 Way	P-3110		
3-12	Gate Valve 3/4"	P-3020		
2-11	Relief Valve - 400 psi	P-2830		
	Cond. Gaskets (Std Refrig. J-009G & J-009H) †	J-019G (Front)	J-019H (Rear)	

GLYCOL COOLED

7-10	3 Pole Contactor	E-0110		
7-13	Thermostat 30-90	E02-0100		
7-12	2-Pole Contactor	E-011A		
7-11	Tri-Block Overload	E-009G		
7-14A	Circuit Breaker 3.2 AMP	E-276C		
7-8	Fuse	E-2070	E-2410	
7-9	Fuseblock	E-1020	E-1050	
7-14	75 VA Transformer	E-007A	E-007B	E-007C
---	1.5 kVA Transformer		E-0010	E-0020
7-4	Disconnect Switch	E-2430	E-2920	
7-7	1.5 HP Pump	P-281A	P-281A	P-281B
---	Drycooler		D-1780	
7-6	Expansion Tank		P-2840	
	Flow Switch (Outdoor, in Pump Package)		P-4620	

GLYCOOL

2-5	Modulating Motor	M-001A		
2-6	Linkage	M-0050		
---	PCB Assembly, Mod Mtr CW, Small Chip	020-0010		
2-7	3 Way Chilled Water Valve 2", 150 lbs	P-4390		
2-8	Glycool Coil Only	X-0910		
2-9	Freezestat	E02-0110		
	Linkage HP	M-007A		
	Modulating Motor (HP)	M-0100		

† Must order by Part No. according to Vendor

HEAT REJECTION EQUIPMENT (Continued)

HOT WATER / STEAM

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
6-1	Modulating Motor		M-002A			
6-2	Linkage		M-0050			
	PCB Assy, Mod Mtr CW, Small Chip		020-0011			
6-6	Coll (Steam)		R-014A			
6-3	Valve CW 2 Way 1/2", 150 lbs.		P-0270			
6-3	Valve CW 3 Way 1/2", 150 lbs.		P-0320			
	"Y" Strainer 1/2"		R-0520			
6-4	Trap		P02-0240			
6-6	Coll (Hot Water)		R-0140			

VERTICAL GLYCOOL

	Coll	066-2209	
	Drain Pan	F30-1180	

GLYCOOL FE (AIR AND WATER)

2-8	Coll (6 Row)	006-0201	
2-7	Valve CW 3 Way 1-1/1", 150 lbs.	P-3600	
2-5	Modulating Motor	M-001A	
2-6	Linkage	M-0050	
	PCB Assy Mod Mtr, CW Small Chip	020-0010	
	Pan	F-024A	

SERIES PB CONDENSER

6 TON 350A - MAIN FAN (3 HP)

8-9	Blower Wheel & Housing (2)		B-1170		
---	Shaft		B-1140		
---	Bearing (2)		B-064A		
---	Sheave		B-069B		
---	Pulley		B-0450		
---	Bushing		B-1160		
8-10	Motor (3 HP)	B-0240	B-0250	B-0250	B-0260
8-3	Fuse	E-2740	E-2070	E-2410	E-2410
8-6	Heater	E-1000	E-0980	E-0910	E-2660
8-5	Contactor		E-0110		
8-7	Tri-Block Overload		E-009B		
8-2	Transformer	E-007A	E-007A	E-007B	E-007C
8-1	Circuit Breaker		E-276A		
8-4	Fuseblock	E-1020	E-1020	E-1050	E-1050
---#	Belts #				

LEE TEMP

8-12	Receiver	W-0040	
8-13	Rotolock Valve	W-0100	
---	Adapter	W-0110	
---	Liquid Indicator	W-0140	
8-11	Head Pressure Control Valve	W-0340	
8-14	Relief Valve	W-0170	
---	Heater Pad (110 V)	W-015L	
---	Heater Pad (230 V)	W-016L	
---	O-Ring	W-0320	
8-15	Condenser Coll	X02-0010	

---# Consult factory

SERIES PB CONDENSER (Continued)

6 TON 350A, 550A, 650A – MAIN FAN (2 HP)

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
8-9	Blower Wheel & Housing (2)			B-1170		
----	Shaft			B-1140		
---	Bearing (2)			B-064A		
----	Sheave			B-005B		
---	Pulley			B-0530		
----	Bushing			B-1160		
8-10	Motor (2 HP)	B-0210	B-0220	B-0220	B-0230	
8-3	Fuse	E-2070	E-2070	E-2410	E-2410	
8-6	Heater	E-0950	E-095A	E-0880	E-2610	
8-5	Contactors			E-0110		
8-7	Tri-Block Overload			E-009B		
8-2	Transformer	E-007A	E-007A	E-007B	E-007C	
8-1	Circuit Breaker			E-276A		
8-4	Fuseblock	E-1020	E-1020	E-1050	E-1050	
---#	Belts #					

LEE TEMP

8-12	Receiver	W-0040	
8-13	Rotolock Valve	W-0100	
---	Adapter	W-0110	
---	Liquid Indicator	W-0140	
8-11	Head Pressure Control Valve	W-0340	
8-14	Relief Valve	W-0170	
---	Heater Pad (110 V)	W-015L	
---	Heater Pad (230 V)	W-016L	
---	O-Ring	W-0320	
8-15	Condenser Coil	X02-0010	

---# Consult Factory

8 TON FH/UH 110G, 114A, 127W, 139C, 173C

MAIN FAN SECTION

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
5-3	Main Fan 1.5 HP	B-019A	B-019A	B-019A	B-020A	
5-3	Main Fan 2.0 HP	B-022A	B-022A	B-022A	B-023A	
5-5	Fan Pulley	B-0540	B-0540	B-0540	B-0540	
5-4	Motor Sheave	B-005B	B-005B	B-005B	B-005B	
5-1	Blower, Wheel Housing (2 Required)	B-0010	B-0010	B-0010	B-0010	X
5-7	Air Sall Switch (Air Flow Sensing)	B02-0190	B02-0190	B02-0190	B02-0190	
5-2	Fan Shaft	B-0020	B-0020	B-0020	B-0020	X
5-8	Bearing (3 Required)	B-0040	B-0040	B-0040	B-0040	X
5-16	Contactor (1 Required)	E-0110	E-0110	E-0110	E-0110	X
5-9	Fuseblock (1 Required)	E-1020	E-1020	E-1050	E-1050	
5-10	Fuse (3 Required)	E-2070	E-2070	E-2410	E-2410	
5-17	Tri-Block Overload	E-009B	E-009B	E-009B	E-009B	X
5-7	Belts (V) (2 Required)	B-060A	B-060A	B-060A	B-060A	
5-7	Belts (D) (2 Required)	B-0550	B-0550	B-0550	B-0550	

COMPRESSOR SECTION

3-4	Compressor (Carlyle) w/o unloader	1C16604P1	1C16604P1	1C16604P2	1C16604P3	
3-3	Compressor (Copeland)	C-050D	C-050B	C-050E	C-050F	
5-12	Contactor (2 Required)	E-009F	E-009F	E-009F	E-009F	X
5-9	Fuseblock (2 Required)	E-1020	E-1020	E-1050	E-1050	
5-13	Aux. Contact-Normally Open	E-010A	E-010A	E-010A	E-010A	
5-13	Aux. Contact-Normally Closed	E-010B	E-010B	E-010B	E-010B	
3-16	Pressure Switch-Low FSC	P-3070	P-3070	P-3070	P-3070	X
3-17	Pressure Switch-Hi FSC	P-3080	P-3080	P-3080	P-3080	X
3-2	Pressure Switch-Hi/Low (Lee-Temp)	P-001B	P-001B	P-001B	P-001B	X
5-10	Fuse (6 Required)	E-2090	E-2090	E-2410	E-2410	
----	Valveplate and Gasket Kit (Carlyle)	C-0970	C-0970	C-0970	C-0970	X

REHEAT SECTION

4-19	Safety Switch, 190°F (V) (1 Required)	R-0130	R-0130	R-0130	R-0130	X
4-18	Safety Switch, 125°F (V) (2 Required)	R-013A	R-013A	R-013A	R-013A	X
4-17	Heater (3 Required)	1D11398P6	1D11398P7	1D11398P9	1D11398P10	
5-15	Contactor (3 Required)	E-011A	E-011A	E-011A	E-011A	X
5-9	Fuseblock (3 Required)	E-1020	E-1020	E-1050	E-1050	
5-10	Fuse (6 Required)	E-1200	E-2090	E-2410	E-2410	
	Safety (D) (2 Required)			R-0970		
5-15A	Contactor-Backup (1 Required)			E-0110		

HUMIDIFIER SECTION

---	Reflector Support (2 Required)	F-6100	F-6100	F-6100	F-6100	
4-8	Reflector, Double (1 Required)	F-601C	F-601C	F-601C	F-602C	
4-9	Quartz Lamp (4 Required)	H-002A	H-0020	H-0020	H-0030	X
5-5	Pan			1C13235G4		
4-10	Middle Block Cover (1 Required)			F-601D		
4-11	End Block Cover (2 Required)			F-6090		
5-6	Rubber DrainTrap			P-5500		
	Bus Bar, Long			H-0360		
	Bus Bar, Short			H-0370		
	Porcelain Socket			H-014A		
	Power Block (Insulated Bus Bar, Amber)	H-0460	H-0460	H-0460	N/A	
4-4	Probe Assembly	4C10229G1 (4 Prong)		1C16612G1 (2 Prong)		
	Probe Bracket			F30-048A		
	Safety Switch, 150°F	R13-0090	R13-0090	R13-0090	R13-0090	X
5-9	Fuseblock (1 Required)	E-1040	E-1020	E-1050	E-1060	
5-11	Contactor (1 Required)	E-0100	E-0100	E-0100	E-011C	X
5-10	Fuse (3 Required)	E-1200	E-2090	E-2020	E-2020	

* The amount required refers to quantity of parts used on a standard A/C unit.

8 TON FH/UH 110G, 114A, 127W, 139C, 173C (Continued)

HUMIDIFIER SECTION (Continued)

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
4-2	Solenoid Valve (Prior to 5-1-84)		H-0380			X
4-3	*Y* Strainer (Prior to 5-1-84)		H-0390			
4-1	Flow Regulating Valve (Prior to 5-1-84)		H-0440			
	Solenoid Valve Assy (Aft 5-1-84) Replaces H-380		1C11414G1			
	Solenoid Valve (After 5-1-84)		P-5590			X
	Standpipe w/nut (After 5-1-84)		1C18003G2			X
	Manual Reset Safety (HI Limit)		H-0450			X

REGRIGERATION SECTION

2-1	Solenoid Valve	P-0070	
2-2	Muffler	P-0040	
2-3	Liquid Indicator	P-0050	
2-4	Filter Drier	P-0020	
	Solenoid Coil	P-5770R	
	Solenoid Internal Parts Kit	P-5790R	
3-6	DX Coil (New Style)	006-0007	
3-5	Expansion Valve (New Style)	P02-0170	
	Drain Pan	F-024B	

CHILLED WATER SECTION

3-7	Chilled Water Coll (New Style) 139C	006-0017				
3-13	Chilled Water Valve, 3 Way, 1"	P-0300	P-0300	P-0300	P-0300	X
3-14	Modulating Motor	M-001A	M-001A	M-001A	M-001A	X
3-15	Valve Linkage	M-0050	M-0050	M-0050	M-0050	
---	Valve Linkage (High Pressure)	M-004A	M-004A	M-004A	M-004A	
	Drain Pan	F-024A				
	PCB Assembly, Mod Mtr, Small Chip	020-0010				
	Chilled Water Coll (Newstyle) 173C	006-0016				
	Chilled Water Valve (1-1/4")	P-0310				

HEAT REJECTION EQUIPMENT

GLYCOL AND WATER COOLED

6-5	Flow Switch (Indoor)	P-4120 (Indoor)	
3-10	Shell and Tube Condenser (Ametek)†	J-009G (Gasket Pt # J-026A)	
3-8	Shell and Tube Condenser (Ametek) † High Pressure	J-009H (Gasket Pt.# J-026A)	
3-11	Water Regulating Valve - 3 Way	P-0340	
3-11	Water Regulating Valve - 2 Way	P-3110	
3-12	Gate Valve 3/4"	P-3020	
2-11	Relief Valve - 400 psi	P-2830	
---#	Cond. Gaskets (Std Refrig, J-009G & J-009H) †	J-019G (Front) # J-019H (Rear)	

GLYCOL COOLED

7-10	3 Pole Contactor	E-0110	
7-13	Thermostat 30-90°	E02-0100	
7-12	2-Pole Contactor	E-011A	
7-11	Tri-Block Overload	E-009G	
7-14A	Circuit Breaker 3.2 AMP	E-276C	
7-8	Fuse	E-1230 E-2070 E-2410 E-2410	
7-9	Fuseblock	E-1020 E-1050	
7-14	75 VA Transformer	E-007A E-007B E-007C	
---	1.5 kVA Transformer	E-0010 E-0020	
7-4	Disconnect Switch	E-2430 E-2920	
7-7	1.5 HP Pump	P-281A P-281A P-281B	
---	Drycooler	D-0070	
7-6	Expansion Tank	P-2840	
	Flow Switch (Outdoor, In Pump Package)	P-4620	

† Must order by Part No. according to Vendor

Consult factory

HEAT REJECTION EQUIPMENT (Continued)

GLYCOOL

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
2-5	Modulating Motor			M-001A		
2-6	Linkage			M-0050		
---	PCB Assembly, Mod Mtr CW, Small Chip			020-0010		
2-7	3 Way Chilled Water Valve			P-4390		
2-8	Glycool Coil Only			X-0910		
2-9	Freezestat			E02-0110		
	Linkage (High Pressure)			M-007A		
	Modulating Motor (High Pressure)			M-0100		

HOT WATER / STEAM

6-1	Modulating Motor			M-002A		
6-2	Linkage			M-0050		
	PCB Assy, Mod Mtr CW, Small Chip			020-0011		
6-6	Coil (Steam)			R-015A		
6-3	Valve CW 2 Way 1/2", 150 lbs.			P-0270		
6-3	Valve Water Rgltr 3 Way 1/2"			P-0320		
	"Y" Strainer 1/2"			R-0520		
6-4	Trap			P02-0240		
6-6	Coil (Hot Water)			R-0150		

VERTICAL GLYCOOL

	Coil			066-2209		
	Drain Pan			F30-1180		

GLYCOOL FE (AIR AND WATER)

2-8	Coil (6 Row)			006-0201		
2-7	Valve CW 3 Way 1-1/1", 150 lbs.			P-3600		
2-5	Modulating Motor			M-001A		
2-6	Linkage			M-0050		
	PCB Assy Mod Mtr, CW Small Chip			020-0010		
	Pan			F-024B		

SERIES PB CONDENSER

8 TON 550A - MAIN FAN (3 HP)

8-9	Blower Wheel & Housing (2)			B-1170		
---	Shaft			B-1140		
---	Bearing (2)			B-064A		
---	Sheave			B-069B		
---	Pulley			B-0450		
---	Bushing			B-1160		
8-10	Motor (3 HP)	B-0240	B-0250	B-0250	B-0260	
8-3	Fuse	E-2740	E-2070	E-2410	E-2410	
8-6	Heater	E-1000	E-0980	E-0910	E-2660	
8-5	Contacteur			E-0110		
8-7	Tri-Block Overload			E-009B		
8-2	Transformer	E-007A	E-007A	E-007B	E-007C	
8-1	Circuit Breaker			E-276A		
8-4	Fuseblock	E-1020	E-1020	E-1050	E-1050	
---#	Belts #					

---# Consult factory

SERIES PB CONDENSER (Continued)

8 TON 550A – LEE TEMP

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
8-12	Receiver		W-0040			
8-13	Rotolock Valve		W-0100			
---	Adapter		W-0110			
---	Liquid Indicator		W-0140			
8-11	Head Pressure Control Valve		W-0340			
8-14	Relief Valve		W-0170			
---	Heater Pad (110 V)		W-015L			
---	Heater Pad (230 V)		W-016L			
---	O-Ring		W-0320			
8-15	Condenser Coil		X02-0010			

10 TON FH/UH 116G, 125A, 138W, 190C, 237C, 280C

MAIN FAN SECTION

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
5-3	Main Fan 2.0 HP	B-022A	B-022A	B-022A	B-023A	
5-5	Fan Pulley	B-0540	B-0540	B-0540	B-0540	
5-4	Motor Sheave 2 HP	B-005B	B-005B	B-005B	B-005B	
5-1	Blower, Wheel Housing (2 Required)	B-0010	B-0010	B-0010	B-0010	
5-7	Air Sall Switch (Air Flow Sensing)	B02-0190	B02-0190	B02-0190	B02-0190	
5-8	Bearing (3 Required)	B-0040	B-0040	B-0040	B-0040	X
5-16	Contactor (1 Required)	E-0110	E-0110	E-0110	E-0110	X
5-9	Fuseblock (1 Required)	E-1020	E-1020	E-1050	E-1050	
5-10	Fuse 2 HP (3 Required)	E-2070	E-2070	E-2410	E-2410	
5-17	Tri-Block Overload (3 Required)	E-009B	E-009B	E-009B	E-009B	X
5-3	Main Fan 3.0 HP	B-025A	B-025A	B-025A	B-026A	
5-4	Motor Sheave 3 HP	B-069B	B-069B	B-069B	B-069B	
	Fuse 3 HP (3 Required)	E-2740	E-2070	E-2410	E-2410	
5-7	Belts (D) 2 HP (2 Required)	B-0550	B-0550	B-0550	B-0550	
5-7	Belts (V) 2 HP (2 Required)	B-060A	B-060A	B-060A	B-060A	
5-7	Belts (D) 3 HP (2 Required)	B-060A	B-060A	B-060A	B-060A	
5-7	Belts (V) 3 HP (2 Required)	B-1490	B-1490	B-1490	B-1490	
	Fan Shaft	B-0020	B-0020	B-0020	B-0020	

COMPRESSOR SECTION

3-4	Compressor (Carlyle) w/o unloader	1C16604P1	1C16604P1	1C16604P2	1C16604P3	
3-3	Compressor (Copeland)	C-050D	C-050B	C-050E	C-050F	
5-12	Contactor (2 Required)	E-009F	E-009F	E-009F	E-009F	X
5-9	Fuseblock (2 Required)	E-1020	E-1020	E-1050	E-1050	
5-13	Aux. Contact-Normally Open	E-010A	E-010A	E-010A	E-101A	X
5-13	Aux. Contact-Normally Closed	E-010B	E-010B	E-010B	E-010B	X
3-16	Pressure Switch-Low FSC	P-3070	P-3070	P-3070	P-3070	X
3-17	Pressure Switch-Hi FSC	P-3080	P-3080	P-3080	P-3080	X
3-2	Pressure Switch-Hi/Low	P-001B	P-001B	P-001B	P-001B	X
5-10	Fuse (6 Required)	E-2090	E-2090	E-2410	E-2410	
----	Valveplate and Gasket Kit (Carlyle)	C-0970	C-0970	C-0970	C-0970	X

REHEAT SECTION

4-19	Safety Switch, 190°F (V) (1 Required)	R-0130	R-0130	R-0130	R-0130	X
4-18	Safety Switch, 125°F (V) (2 Required)	R-013A	R-013A	R-013A	R-013A	X
4-17	Heater (3 Required)	1D11398P6	1D11398P7	1D11398P9	1D11398P10	
5-15	Contactor (3 Required)	E-011A	E-011A	E-011A	E-011A	X
5-9	Fuseblock (3 Required)	E-1040	E-1020	E-1050	E-1050	X
5-10	Fuse (6 Required)	E-1200	E-2090	E-2410	E-2410	
	Safety (D) (2 Required)		R-0970			
5-15A	Contactor-Backup (1 Required)		E-0110			

HUMIDIFIER SECTION

---	Reflector Support (2 Required)	F-6100	F-6100	F-6100	F-6100	
4-8	Reflector, Double (1 Required)	F-601C	F-601C	F-601C	F-602C	
4-9	Quartz Lamp (4 Required)	H-002A	H-0020	H-0020	H-0030	X
5-5	Pan			1C13235G4		
4-10	Middle Block Cover (1 Required)			F-601D		
4-11	End Block Cover (2 Required)			F-6090		
5-6	Rubber DrainTrap			P-5500		
	Bus Bar, Long			H-0360		
	Bus Bar, Short			H-0370		
	Porcelain Socket			H-014A		
	Power Block (Insulated Bus Bar, Amber)	H-0460	H-0460	H-0460	N/A	
4-4	Probe Assembly	4C10229G1 (4 Prong)		1C16612G1 (2 Prong)		
---	Probe Bracket			F30-048A		

10 TON FH/UH 116G, 125A, 138W, 237C, 280C (Continued)

HUMIDIFIER SECTION (Continued)

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
	Safety Switch, 150°F	R13-0090	R13-0090	R13-0090	R13-0090	X
5-9	Fuseblock (1 Required)	E-1040	E-1020	E-1050	E-1060	
5-11	Contactor (1 Required)	E-0100	E-0100	E-0100	E-011C	X
5-10	Fuse (1 Required) Solenoid Valve (Prior to 5-1-84)	E-1200	E-2090	E-2020	E-2020	
4-2	Solenoid Valve (Prior to 5/1/84)	H-0380	H-0380	H-0380	H-0380	X
	Flow Regulating Valve (Prior to 5-1-84)		H-0440			
	Manual Reset Safety (HI Limit)		H-0450			
4-3	*Y* Strainer (Prior to 5-1-84)		H-0390			
4-1	Standpipe w/nut (After 5-1-84)		1C18003G2			X
	Solenoid Valve Assy (Aft 5-1-84) Replaces H-380		1C11414G1			
	Solenoid Valve (After 5-1-84)		P-5590			X

REGRIGERATION SECTION

2-1	Solenoid Valve	P-0070	
2-2	Muffler	P-0040	
2-3	Liquid Indicator	P-0050	
	Solenoid Coil	P-5770R	
	Solenoid Internal Parts Kit	P-5790R	
2-4	Filter Drier	P-0020	
3-6	DX Coil (New Style)	006-0009	
3-5	Expansion Valve (New Style)	P02-0170	
	Drain Pan	F-024B	

CHILLED WATER SECTION

Coils

3-7	FD/UD 173C Coil	006-0016	
3-7	FD/UD 190C Coil	006-0018	
3-7	FD/UD 237C Coil	006-0048	
3-7	FD/UD 280C Coil	006-0048	

Chilled Water Valves - 3 Way

3-13	FD/UD 173C	P-0300	
3-7	FD/UD 190C	P-0310	
3-7	FD/UD 237C	P-0310	
3-7	FD/UD 280C	P-0310	
3-14	Modulating Motor	M-001A/020-0010 (PCB)	
3-15	Valve Linkage	M-0050	
---	Valve Linkage (High Pressure)	M-004A	

HEAT REJECTION EQUIPMENT

GLYCOL AND WATER COOLED

6-5	Flow Switch (Indoor)	P-4120	
3-10	Shell and Tube Condenser (Ametek) †	J-004G (Gasket Pt.# J-026A)	
3-8	Shell and Tube Condenser (Ametek) † High Pressure	J-004H (Gasket Pt.# J-026A)	
3-11	Water Regulating Valve - 3 Way	P-0340	
3-11	Water Regulating Valve - 2 Way	P-3110	
3-12	Gate Valve 3/4"	P-3020	
2-11	Relief Valve - 400 psi	P-2830	
	Cond. Gaskets (Std Refrig, J-004G & J-004H) †	J-019J (Front) J-019K (Rear)	

† Must order by Part No. according to Vendor
Consult factory

HEAT REJECTION EQUIPMENT (Continued)

GLYCOL COOLED

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
7-10	3 Pole Contactor			E-0110		
7-13	Thermostat 30-90°			E02-0100		
7-12	2-Pole Contactor					
7-11	Tri-Block Overload		E-011A		E-011B	
7-14A	Circuit Breaker 3.2 AMP			E-009G		
7-8	Fuse			E-276C		
7-9	Fuseblock	E-2080	E-1230		E-2410	
7-14	75 VA Transformer		E-1020		E-1050	
---	1.5 kVA Transformer		E-007A			
7-4	Disconnect Switch			E-007B	E-007C	
7-7	2.0 HP Pump			E-0010	E-0020	
---	Drycooler				E-2920	
	Flow Switch (Outdoor, In Pump Package)			P-381B	P-381C	
				D-0070		
				P-4620		

GLYCOOL

2-5	Modulating Motor		M-001A	
2-6	Linkage		M-0050	
---	PCB Assembly, Mod Mtr CW, Small Chip		020-0010	
2-7	3 Way Chilled Water Valve, 2", 150 lbs		P-4390	
2-8	Glycool Coll Only		X-0910	
2-9	Freezestat		E02-0110	
	Linkage (High Pressure)		M-007A	
	Modulating Motor (High Pressure)		M-0100	

HOT WATER / STEAM

6-1	Modulating Motor		M-002A	
6-2	Linkage		M-0050	
	PCB Assy, Mod Mtr CW, Small Chip		020-0011	
6-6	Coll (Steam)		R-015A	
6-3	Valve CW 2 Way 1/2", 150 lbs.		P-0270	
6-3	Valve Water Rgtr 3 Way 1/2"		P-0320	
	"Y" Strainer 1/2"		R-0520	
6-4	Trap		P02-0240	
6-6	Coll (Hot Water)		R-0150	

VERTICAL GLYCOOL

	Coll		066-2209	
	Drain Pan		F30-1180	

GLYCOOL FE (AIR AND WATER)

2-8	Coll (6 Row)		006-0201	
2-7	Valve CW 3 Way 1-1/2", 150 lbs.		P-3600	
2-5	Modulating Motor		M-001A	
2-6	Linkage		M-0050	
	PCB Assy Mod Mtr, CW Small Chip		020-0010	
	Pan		F-024B	

SERIES PB CONDENSER

10 TON 675A – MAIN FAN (3 HP)

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
8-9	Blower Wheel & Housing (2)			B-1170		
----	Shaft			B-1140		
---	Bearing (2)			B-064A		
----	Sheave			B-069B		
----	Pulley			B-0450		
----	Bushing			B-1160		
8-10	Motor (3 HP)	B-0240	B-0250	B-0250	B-0260	
8-3	Fuse	E-2740	E-2070	E-2410	E-2410	
8-6	Heater	E-1000	E-0980	E-0910	E-2660	
8-5	Contactor			E-0110		
8-7	Tri-Block Overload			E-009B		
8-2	Transformer	E-007A	E-007A	E-007B	E-007C	
8-1	Circuit Breaker			E-276A		
8-4	Fuseblock	E-1020	E-1020	E-1050	E-1050	
---#	Belts #					

10 TON 675A – LEE TEMP

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
8-12	Receiver			W-0040		
8-13	Rotolock Valve			W-0100		
---	Adapter			W-0110		
----	Liquid Indicator			W-0140		
8-11	Head Pressure Control Valve			W-0340		
8-14	Relief Valve			W-0170		
---	Heater Pad (110 V)			W-015L		
---	Heater Pad (230 V)			W-016L		
---	O-Ring			W-0320		
8-15	Condenser Coil			X02-0030		

---# Consult factory

Note: Condenser Parts are on Page ??????????

15 TON FH/UH 192G, 199A, 219W, 305C, 386C

MAIN FAN SECTION

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
5-3	Main Fan 3.0 HP	B-025A	B-025A	B-025A	B-026A	
5-3	Main Fan 5.0 HP	B-028A	B-028A	B-028A	B-029A	
5-5	Fan Pulley 3.0 and CW 5 HP	B-0530	B-0530	B-0530	B-0530	
5-4	Motor Sheave	B-069B	B-069B	B-069B	B-069B	
5-1	Blower, Wheel Housing (3 Required)	B-0010	B-0010	B-0010	B-0010	X
5-7	Air Sall Switch (Air Flow Sensing)	B02-0190	B02-0190	B02-0190	B02-0190	
5-2	Fan Shaft	B-0030	B-0030	B-0030	B-0030	X
5-8	Bearing (4 Required)	B-0040	B-0040	B-0040	B-0040	X
5-16	Contactor (1 Required)	E-0110	E-0110	E-0110	E-0110	X
5-9	Fuseblock (1 Required)	E-1020	E-1020	E-1050	E-1050	X
5-10	Fuse 3.0 (3 Required)	E-2740	E-2070	E-2410	E-2410	
5-17	Tri-Block Overload (3 Required)	E-009B	E-009B	E-009B	E-009B	X
5-5	Pulley 5.0 HP	B-0540	B-0540	B-0540	B-0540	X
5-10	Fuse 5.0 HP (3 Required)	E-2080	E-2080	E-2410	E-2410	X
5-9	Blower Wheel & Housing CW 5 HP (2 Req)	B-1170				
5-7	Belts (D) 3 HP (2 Required)	B-0550	B-0550	B-0550	B-0550	
5-7	Belts (V) 3 HP (2 Required)	B-060A	B-060A	B-060A	B-060A	
5-7	Belts (D & V) 5 HP (2 Required)	B-060A	B-060A	B-060A	B-060A	
5-7	Belts (D) 5 HP CW (2 Required)	B-1680	B-1680	B-1680	B-1680	
5-7	Belts (V) 5 HP CW (2 Required)	B-0600	B-0600	B-0600	B-0600	
5-2	Fan Shaft CW 5 HP	B-1140				
5-2	Bearing CW 5 HP (2 Required)	B-064A				

COMPRESSOR SECTION

3-4	Compressor (Carlyle) w/o unloader	1C16605P1	1C16605P1	1C16605P2	1C16605P3	
5-12	Contactor (2 Required)	E-0100	E-0100	E-009F	E-009F	X
5-9	Fuseblock (2 Required)	E-1040	E-1040	E-1050	E-1050	
5-13	Aux. Contact-Normally Open	E-010A	E-010A	E-010A	E-010A	X
5-13	Aux. Contact-Normally Closed	E-010B	E-010B	E-010B	E-010B	X
3-16	Pressure Switch-Low FSC	P-3070	P-3070	P-3070	P-3070	X
3-17	Pressure Switch-HI FSC	P-3080	P-3080	P-3080	P-3080	X
3-2	Pressure Switch-HI/Low	P-001B	P-001B	P-001B	P-001B	X
5-10	Fuse (6 Required)	E-3060	E-3060	E-3050	E-3050	
----	Valveplate and Gasket Kit (Carlyle)	C-0970	C-0970	C-0970	C-0970	X

REHEAT SECTION

4-19	Safety Switch, 190°F (V) (1 Required)	R-0130	R-0130	R-0130	R-0130	X
4-18	Safety Switch, 125°F (V) (2 Required)	R-013A	R-013A	R-013A	R-013A	X
4-17	Heater (3 Required)	1D11398P11	1D11398P12	1D11398P14	1D11398P15	
5-15	Contactor (3 Required)	E-011C	E-011C	E-011A	E-011A	X
5-9	Fuseblock (3 Required)	E-1040	E-1040	E-1050	E-1050	
5-10	Fuse (6 Required)	E-1160	E-3060	E-3050	E-2020	
	Safety (D) (2 Required)	R-0970	R-0970	R-0970	R-0970	
5-15A	Contactor-Backup (1 Required)	E-0110	E-0110	E-0110	E-0110	

15 TON FH/UH 192G, 199A, 219W, 305C, 386C (Continued)

HUMIDIFIER SECTION

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
---	Reflector Support (2 Required)	F-6100	F-6100	F-6100	F-6100	
4-8	Reflector, Double (1 Required)	F-601C	F-601C	F-601C	F-602C	
4-8	Quartz Lamp (4 Required)	H-002A	H-0020	H-0020	H-0030	X
5-5	Pan			1C13235G4		
4-10	Middle Block Cover (1 Required)			F-601D		
4-11	End Block Cover (2 Required)			F-6090		
5-6	Rubber DrainTrap			P-5500		
	Bus Bar, Short			H-0360		
	Bus Bar, Long			H-0370		
	Porcelain Socket			H-014A		
	Power Block (Insulated Bus Bar, Amber)	H-0460	H-0460	H-0460	N/A	
4-4	Probe Assembly	4C10229G1 (4 Prong)		1C16812G1 (2 Prong)		
---	Probe Bracket			F30-048A		
	Safety Switch, 150°F	R13-0090	R13-0090	R13-0090	R13-0090	X
5-9	Fuseblock (1 Required)	E-1040	E-1020	E-1050	E-1060	
5-11	Contactors (1 Required)	E-0100	E-0100	E-0100	E-011C	X
5-10	Fuse (3 Required)	E-1200	E-2090	E-2020	E-2020	
	Manual Reset Safety (HI Limit)			H-0450		X
4-6	Solenoid Valve (Prior to 5-1-84)	H-0380	H-0380	H-0380	H-0380	X
4-3	*Y* Strainer (Prior to 5-1-84)			H-0390		
4-1	Flow Regulating Valve (Prior to 5-1-84)			H-0440		
---	Solenoid Valve Assy (Aft 5-1-84) Replaces H-380			1C11414G1		
	Solenoid Valve (After 5-1-84)			P-5590		X
	Standpipe w/nut (After 5-1-84)			1C18003G2		X

REFRIGERATION SECTION

2-1	Solenoid Valve	P-0080	
2-2	Muffler	P-0030	
	Solenoid Coil	P-5780R	
	Solenoid Internal Parts Kit	P-5720R	
2-3	Liquid Indicator	P-0050	
2-4	Filter Drier (Prior to 5-27-86)	P-0060	
---	Filter Drier (After 5-27-86)	P-0020	
3-6	DX Coil (New Style)	006-0011	
3-5	Expansion Valve (New Style)	P02-0190	
	Drain Pan	F-0250	
	Expansion Valve Element	P-5750R	

CHILLED WATER SECTION

3-7	Drain Pan	F-0250	
	Chilled Water Coils (New Style)		
3-7	FD/UD 305C Coil	006-0362	
3-7	FD/UD 386C Coil	006-0049	
3-13	Chilled Water Valve 1-1/2"-3 Way	P-3600	
3-14	Modulating Motor	M-001A	
3-15	Valve Linkage	M-0050	
---	Valve Linkage (High Pressure)	M-004A	
	PCB Assembly, Mod Mtr CW, Small Chip	020-0010	
	Chilled Water Valve 2-Way	P-4310	

15 TON HEAT REJECTION EQUIPMENT

GLYCOL AND WATER COOLED

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
6-5	Flow Switch (Indoor)	P-4120				
3-10	Shell and Tube Condenser (Ametek)†	J-002G (Gasket Pt.# J-0260)				
3-8	Shell and Tube Condenser (Ametek) † High Pressure	J-002H (Gasket Pt.# J-0260)				
	Cond. Gaskets (Std Refrig. J-002G & J-002H) †	J-019JG(Front) J-019H (Rear)				X
3-11	Water Regulating Valve 1" - 2 Way	P-3450				
3-11	Water Regulating Valve 1" - 3 Way	P-0340				
3-12	Gate Valve 3/4"	P-3020				
2-11	Relief Valve - 400 psi	P-2830				

GLYCOL COOLED

7-10	3 Pole Contactor	E-0110				
7-13	Thermostat 30-90°	E02-0100				
7-12	2-Pole Contactor	E-011A				
7-11	Tri-Block Overload	E-009G				
7-14A	Circuit Breaker	E-276C				
7-9	Fuseblock	E-1040				
7-8	Fuse	E-2100				
7-14	75 VA Transformer	E-007A				
---	1.5 kVA Transformer	E-1050				
7-7	3 HP Pump	E-2410				
7-4	Disconnect Switch	E-007B E-007C				
---	Drycooler	E-0010 E-0020				
	Flow Switch (Outdoor, in Pump Package)	P-296A P-296B				
		E-2920				
		D-0080				
		P-4620				

GLYCOOL

2-5	Modulating Motor	M-001A				
2-6	Linkage	M-0050				
---	PCB Assembly, Mod Mtr CW, Small Chip	020-0010				
2-7	3 Way Chilled Water Valve, 2", 150 lbs	P-4390				
2-8	Glycool Coil Only	X-0920				
2-9	Freezestat	E02-0110				
	Linkage (High Pressure)	M-007A				
	Modulating Motor (High Pressure)	M-0100				

HOT WATER / STEAM

6-1	Modulating Motor	M-002A				
6-2	Linkage	M-0050				
	PCB Assy, Mod Mtr CW, Small Chip	020-0011				
6-6	Coil (HW)	R-0160				
6-3	Valve CW 2 Way 3/4", 150 lbs.	P-0280				
6-3	Valve CW 3 Way 3/4", 150 lbs.	P-0310				
	"Y" Strainer 1/2"	R-0200				
6-6	Coil (Steam)	R-016A				
6-4	Trap	P02-0240				

† Must order by Part No. according to Vendor
Consult factory

15 TON HEAT REJECTION EQUIPMENT (Continued)

VERTICAL GLYCOOL

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
	Coll			066-2208		
	Pan			F-2160		

GLYCOOL FE (AIR AND WATER)

2-8	Coll (6 Row)	006-0203	
2-7	Valve (3 Way)	P-4300	
2-5	Modulating Motor	M-001A	
2-6	Linkage	M-0050	
	PCB Assy Mod Mtr, CW Small Chip	020-0011	
	Pan	F-0250	

SERIES PB CONDENSER

15 TON 925A - MAIN FAN (7.5 HP)

8-9	Blower Wheel & Housing (2)	B-1170			
---	Shaft	B-1140			
---	Bearing (2)	B-064A			
---	Sheave	B-069B			
---	Pulley	B-0700			
---	Bushing	B-1160			
8-10	Motor (3 HP)	B-0360	B-0350	B-0350	B-0340
8-3	Fuse	E-2100	E-2100	E-2730	E-2410
8-6	Heater	E-183A	E-2700	E-1000	E-0980
8-5	Contactor	E-0009F			
8-7	Tri-Block Overload	E-009B			
8-2	Transformer	E-007A	E-007A	E-007B	E-007C
8-1	Circuit Breaker	E-276A			
8-4	Fuseblock	E-1040	E-1040	E-1050	E-1050
---#	Belts #				

15 TON 925A - LEE TEMP

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
8-12	Receiver			W-0040		
8-13	Rotolock Valve			W-0100		
---	Adapter			W-0110		
---	Liquid Indicator			W-0140		
8-11	Head Pressure Control Valve			W-0340		
8-14	Relief Valve			W-0170		
---	Heater Pad (110 V)			W-015L		
---	Heater Pad (230 V)			W-016L		
---	O-Ring			W-0320		
8-15	Condenser Coll			X02-0040		

---# Consult factory

20/22 TON FH/UH 240G/265G, 245A/290A, 267W/315W, 411C/488C

MAIN FAN SECTION

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
5-3	Main Fan 5.0 HP	B-028A	B-028A	B-028A	B-029A	
5-3	Main Fan 7.5 HP	B-035A	B-035A	B-035A	B-034A	
5-5	Fan Pulley 5 HP	B-0530	B-0530	B-0530	B-0530	
5-5	Pulley 7.5 HP	B-0530	B-0530	B-0530	B-0530	
5-4	Motor Sheave 5.0 HP	B-069B	B-069B	B-069B	B-069B	
5-4	Sheave 7.5 HP	B-069A	B-069A	B-069A	B-069A	
5-1	Blower, Wheel Housing	B-1170	B-1170	B-1170	B-1170	X
5-7	Air Sail Switch (Air Flow Sensing)	B02-0190	B02-0190	B02-0190	B02-0190	
5-2	Fan Shaft	B-1140	B-1140	B-1140	B-1140	X
5-8	Bearing (2 Required)	B-064A	B-064A	B-064A	B-064A	X
5-16	Contactor 7.5 HP (1 Required)	E-009F	E-009F	E-009F	E-009F	X
	Contactor 5.0 HP (1 Required)	E-0110	E-0110	E-0110	E-0110	X
5-9	Fuseblock 5.0 HP (1 Required)	E-1020	E-1020	E-1050	E-1050	
5-9	Fuseblock 7.5 HP (1 Required)	E-1040	E-1040	E-1050	E-1050	
5-10	Fuse 5.0 HP (3 Required)	E-2080	E-2080	E-2410	E-2410	
5-10	Fuse 7.5 HP (3 Required)	E-2100	E-1200	E-2020	E-2410	
5-17	Tri-Block Overload (3 Required)	E-009B	E-009B	E-009B	E-009B	X
5-7	Belts 5.0 HP (D) (2 Required)	B-0550	B-0550	B-0550	B-0550	
5-7	Belts 5.0 (2 Required)	B-060A	B-060A	B-060A	B-060A	
5-7	Belts 7.5 HP (D) (2 Required)	B-0570	B-0570	B-0570	B-0570	
5-7	Belts 7.5 (V) (2 Required)	B-0550	B-0550	B-0550	B-0550	
5-3	Main Fan 10 HP	B05-006B	B05-006B	B05-006B	B05-006B	
5-16	Contactor 10 HP (1 Required)	E-0100	E-0100	E-009F	E-009F	
5-10	Fuse 10 HP (3 Required)	E-3060	E-2100	E-2020	E-2730	
5-9	Fuse Block 10 HP (1 Required)	E-1040	E-1040	E-1040	E-1040	
5-4	Motor Sheave 10 HP	B02-0010	B02-0010	B02-0010	B02-0010	
5-5	Pulley 10 HP	B02-0220	B02-0220	B02-0220	B02-0220	
5-2	Shaft 10 HP	B02-0200	B02-0200	B02-0200	B02-0200	
5-1	Blower Wheel & Housing 10 HP	B02-0210	B02-0210	B02-0210	B02-0210	
5-8	Bearing 10 HP (2 Required)	B05-0200	B05-0200	B05-0200	B05-0200	
5-7	Belt (D) 10 HP (2 Required)					
5-7	Belt (V) 10 HP (2 Required)					

B-0570
B-0550

COMPRESSOR SECTION - 20 TON

3-4	Compressor (Carlyle) w/o unloader	1C16606P1	1C16606P1	1C16606P2	1C16606P3	
5-12	Contactor (1 Required)	E-2500	E-2500	E-009F	E-009F	X
5-9	Fuseblock (1 Required)	E-1041	E-1041	E-1050	E-1050	
5-13	Aux. Contact-Normally Open	E-010A	E-010A	E-010A	E-010A	X
5-13	Aux. Contact-Normally Closed	E-010B	E-010B	E-010B	E-010B	X
3-16	Pressure Switch-Low FSC	P-3070	P-3070	P-3070	P-3070	X
3-17	Pressure Switch-Hi FSC	P-3080	P-3080	P-3080	P-3080	X
3-2	Pressure Switch-Hi/Low (Lee-Temp)	P-001B	P-001B	P-001B	P-001B	X
5-10	Fuse (3 Required)	E-116A	E-116A	E-1100	E-1100	
----	Valveplate and Gasket Kit (Carlyle)	C-0970	C-0970	C-0970	C-0970	X

COMPRESSOR SECTION - 22 TON

3-4	Compressor (Carlyle) w/o unloader	1C16607P1	1C16607P1	1C16607P2	1C16607P3	
5-12	Contactor (1 Required)	E-009H	E-009H	E-009F	E-009F	X
5-9	Fuseblock (1 Required)	E-1041	E-1041	E-105A	E-105A	
5-13	Aux. Contact-Normally Open	E-010A	E-010A	E-010A	E-010A	X
5-13	Aux. Contact-Normally Closed	E-010B	E-010B	E-010B	E-010B	X
3-16	Pressure Switch-Low FSC	P-3070	P-3070	P-3070	P-3070	X
3-17	Pressure Switch-Hi FSC	P-3080	P-3080	P-3080	P-3080	X
3-2	Pressure Switch-Hi/Low (Lee-Temp)	P-001B	P-001B	P-001B	P-001B	X
5-10	Fuse (3 Required)	E-2028	E-2028	E-2021	E-2021	
----	Valveplate and Gasket Kit (Carlyle)	C-0970	C-0970	C-0970	C-0970	X

20/22 TON FH/UH 240G/265G, 245A/290A, 267W/315W, 411C/488C (Continued)

REHEAT SECTION

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
4-19	Safety Switch, 190°F (V) (1 Required)	R-0130	R-0130	R-0130	R-0130	X
4-18	Safety Switch, 125°F (V) (2 Required)	R-013A	R-013A	R-013A	R-013A	X
4-17	Heater (3 Required)	R-0910	R-0920	R-0940	R-0950	
5-15	Contactor (1 Required)	E-011C	E-011C	E-011A	E-011A	X
5-9	Fuseblock (1 Required)	E-1040	E-1040	E-1050	E-1050	
5-10	Fuse (3 Required)	E-1160	E-1160	E-1100	E-3050	
	Safety (D) (2 Required)	R-0970	R-0970	R-0970	R-0970	
5-15A	Contactor-Backup (1 Required)	E-0110	E-0110	E-0110	E-0110	

HUMIDIFIER SECTION

---	Reflector Support (2 Required)	F-6100	F-6100	F-6100	F-6100	
4-8	Reflector, Double (1 Required)	F-601C	F-601C	F-601C	F-601C	
4-9	Quartz Lamp (6 Required)	H-002A	H-0020	H13-0010	H-0030	X
4-4	Pan			1C13235G4		
4-10	Middle Block Cover (1 Required)			F-601D		
4-11	End Block Cover (2 Required)			F-6090		
5-6	Rubber DrainTrap			P-5500		
	Bus Bar, Long			H-0370		
	Bus Bar, Short			H-0360		
	Porcelain Socket			H-014A		
	Power Block (Insulated Bus Bar, Amber)	H-0460	H-0460	H-0460	N/A	
4-5	Probe Assembly	4C10229G1 (4 Prong)		1C16612G1 (2 Prong)		
---	Probe Bracket			F30-048A		
	Safety Switch, 150°F	R13-0090	R13-0090	R13-0090	R13-0090	X
5-9	Fuseblock (1 Required)	E-1020	E-1020	E-1050	E-1050	
5-11	Contactor (1 Required)	E-0100	E-0100	E-0100	E-0100	X
5-10	Fuse (3 Required)	E-1200	E-2090	E-2020	E-2410	
4-2	Solenoid Valve (Prior to 5-1-84)	H-0380	H-0380	H-0380	H-0380	X
4-3	"Y" Strainer (Prior to 5-1-84)			H-0390		
4-1	Flow Regulating Valve (Prior to 5-1-84)			H-0440		
---	Solenoid Valve Assy (Aft 5-1-84) Replaces H-380			1C11414G1		
	Solenoid Valve (After 5-1-84)			P-5590		X
	Standpipe w/nut (After 5-1-84)			1C18003G2		X

REFRIGERATION SECTION

2-1	Solenoid Valve	P-2870	
2-2	Muffler	P-2900	
2-3	Liquid Indicator	P-2880	
2-4	Filter Drier	P-2890	
	DX Coil (New Style-20 Ton)	006-0051	
3-6	DX Coil (New Style-22 Ton)	006-0012	
3-5	Expansion Valve (New Style-20 Ton) Element	P-5740R	
3-5	Expansion Valve (New Style-22 Ton) Element	P-5760R	
	Drain Pan	F-2160	
	Drain Pan 488C	F-7570	
	Solenoid Coil	P-5780R	
	Solenoid Internal Parts Kit	P-5730R	
3-5	Expansion Valve (20 Ton)	P02-0220	
3-5	Expansion Valve (22 Ton)	P02-02210	

20/22 TON FH/UH 240G/265G, 245A/290A, 267W/315W, 411C/488C (Continued)

CHILLED WATER SECTION

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
3-7	Chilled Water Coil (New Style) 411C			006-0021		
	Chilled Water Coil (New Style) 488C			006-0050		
3-13	Chilled Water Valve 2" (3 Way)			P-4390		
	Chilled Water Valve 2" (2 Way)			P-031B		
3-14	Modulating Motor			M-001A		
3-15	Valve Linkage			M-0050		
---	Valve Linkage (High Pressure)			M-004A		
	Drain Pan			F-2160		
	PCB Assembly, Mod Mtr CW, Small Chip			020-0010		

HEAT REJECTION EQUIPMENT

GLYCOL AND WATER COOLED

6-5	Flow Switch (Indoor)		P-4120		
3-10	Shell and Tube Condenser		J-011G (Gasket Pt.# J-0260)		
3-8	Shell and Tube Condenser (Ametek) † High Pressure		J-011H (Gasket Pt.# J-0260)		
	Cond. Gaskets (Std Refrig, J-011G & J-011H) †		J-019JG(Front)	J-019H (Rear)	X
3-11	Water Regulating Valve 1-1/4" - 2 Way		P-3450		X
3-11	Water Regulating Valve 1-1/4" - 3 Way		P-2780		X
3-12	Gate Valve 3/4"		P-3020		
2-11	Relief Valve - 400 psi		P-2830		X

GLYCOL COOLED

7-10	3 Pole Contactor		E-0110		X
7-13	Thermostat		E02-0100		X
7-11	Tri-Block Overload		E-009G		
7-14A	Circuit Breaker		E-276C		
7-14	75 VA Transformer				X
7-9	Fuseblock	E-007A	E-007B	E-007C	
7-8	Fuse	E-1040	E-1040	E-1050	
7-7	3 HP Pump	E-2100	E-2100	E-2410	
---	Drycooler (FD/UD 240G)	P-296A	P-296A	P-296A	P-296B
---	Drycooler (FD/UD 265G)	D-0250		D-0260	D-0310
		D-0340		D-0350	D-0360
	Flow Switch (Outdoor, In Pump Package)			P-4620	

GLYCOOL

2-5	Modulating Motor		M-001A		
2-6	Linkage		M-0050		
---	PCB Assembly, Mod Mtr CW, Small Chip		020-0010		
2-7	3 Way Chilled Water Valve, 2", 150 lbs		P-4390		
2-8	Glycool Coil Only		X-0930		
2-9	Freezeestat		E02-0110		
	Linkage (High Pressure)		M-007A		
	Modulating Motor (High Pressure)		M-0100		

† Must order by Part No. according to Vendor
Consult factory

HEAT REJECTION EQUIPMENT (Continued)

HOT WATER / STEAM

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
6-1	Modulating Motor		M-002A			
6-2	Linkage		M-0050			
	PCB Assy, Mod Mtr CW, Small Chip		020-0011			
6-6	Coil (HW)		R-0160			
6-3	Valve CW 2 Way 3/4", 150 lbs.		P-0280			
6-3	Valve CW 3 Way 3/4", 150 lbs.		P-031A			
	"Y" Strainer		R-0200			
6-6	Coil (Steam)		R-016A			
	Valve (Steam)		P-0270			
6-4	Trap		P02-0240			

VERTICAL GLYCOOL

	Coil		066-0369	
	Pan		F-2160	

GLYCOOL FE (AIR AND WATER) 22 Ton Consult Factory

2-8	Coil (6 Row)		006-0204	
2-7	Valve CW (3 Way) 2", 150 lbs		P-4390	
2-5	Modulating Motor		M-001A	
2-6	Linkage		M-0050	
	PCB Assy Mod Mtr, CW Small Chip		020-0010	
	Pan		F-2160	

SERIES PB CONDENSER

20 TON 1100A - MAIN FAN (7.5 HP)

8-9	Blower Wheel & Housing (2)		B-1170			
---	Shaft		B-1140			
	Bearing (2)		B-064A			
	Sheave		B-069A			
	Pulley		B-0530			
	Bushing		B-1160			
8-10	Motor (7.5 HP)	B-0360	B-0350	B-0350	B-0340	
8-3	Fuse	E-2100	E-1200	E-2730	E-2410	
8-6	Heater	E-183A	E-2700	E-1000	E-0980	
8-5	Contactor		E-009F			
8-7	Tri-Block Overload		E-009B			
8-2	Transformer	E-007A	E-007A	E-007B	E-007C	
8-1	Circuit Breaker		E-276A			
8-4	Fuseblock	E-1040	E-1040	E-1050	E-1050	
---#	Belts #					

LEE TEMP

8-12	Receiver		W-0040	
8-13	Rotolock Valve		W-0100	
---	Adapter		W-0110	
---	Liquid Indicator		W-0140	
8-11	Head Pressure Control Valve		W-0340	
8-14	Relief Valve		W-0170	
---	Heater Pad (110 V)		W-015L	
---	Heater Pad (230 V)		W-016L	
---	O-Ring		W-0320	
8-15	Condenser Coil		X02-0050	

---# Consult factory

SERIES PB CONDENSER (Continued)

22 TON 1350A – MAIN FAN (10–15 HP)

Find No.	Description		Part Number				RSP
			208 V	230V	460 V	575 V	
8-9	Blower Wheel & Housing (20	10 HP			B05-0040		
		15 HP			B05-0040		
--	Shaft	10 HP			B05-0150		
		15 HP			B05-0150		
--	Bearing (2)	10 HP			B05-0200		
		15 HP			B05-0200		
--	Sheave	10 HP			B02-0010		
		15 HP			B02-0030		
--	Pulley	10 HP			B02-0060		
		15 HP			B02-0070		
--	Bushing	10 HP			B05-0220		
		15 HP			B02-0090		
8-10	Motor	10 HP	B05-006A	B05-0060	B05-0060	B02-0010	
		15 HP	B05-008A	B05-0080	B05-0080	B02-0130	
8-3	Fuse	10 HP	E-3060	E-2100	E-2020	E-2730	
		15 HP	E-2028	E-116A	E-2021	E-1100	
8-6	Heater	10 HP	E-3810	E-183A	E-2670	E-1000	
		15 HP	E-3830	E-3840	E-1830	E-2690	
8-5	Contactor	10 HP	E-0100	E-009F	E-009F	E-009F	
		15 HP	E-2500	E-0100	E-009F	E-009F	
8-7	Tri-Block Overload	10 HP	E-3800	E-009B	E-009B	E-009B	
		15 HP	E-3800	E-3800	E-009B	E-009B	
8-2	Transformer	10 HP	E-007A	E-007A	E-007B	E-007C	
		15 HP	E-007A	E-007A	E-007B	E-007C	
8-1	Circuit Breaker	10 HP			E-276A		
		15 HP			E-276A		
8-4	Fuseblock	10 HP	E-1040	E-1040	E-1050	E-1050	
		15 HP	E-1041	E-1041	E-1050	E-1050	
---#	Belts #						

22 TON 1350A – LEE TEMP (10–15 HP)

Find No.	Description		Part Number				RSP
			208 V	230V	460 V	575 V	
8-12	Receiver				W-0040		
8-13	Rotolock Valve				W-0100		
---	Adapter				W-0110		
---	Liquid Indicator				W-0140		
8-11	Head Pressure Control Valve				W-0340		
8-14	Relief Valve				W-0170		
---	Heater Pad (110 V)				W-015L		
---	Heater Pad (230 V)				W-016L		
---	O-Ring				W-0320		
8-15	Condenser Coil				X02-0050		
---	Special Condenser Coil				X02-0060		

---# Consult factory

SERIES PB CONDENSER EXTERIOR PANELS, DISCONNECT SWITCHES, BELTS, FILTERS

EXTERIOR PANELS

Find No.	Description	Part Number	
		6/10 Ton	15/22 Ton
	Display Panels No Disconnect	F02-1000	F02-1010
	Display Panels Non-locking Disconnect	F02-6320	F02-6330
	Display Panels Locking Disconnect	F02-6300	F02-6310
	End Panels	F02-1000	F02-1010
	Bottom Front Panels - Bottom & Middle Rear Panels	F02-7080	F02-7100
	Middle Front Panels - Front & Top Rear Panels	F02-7110	F02-7130

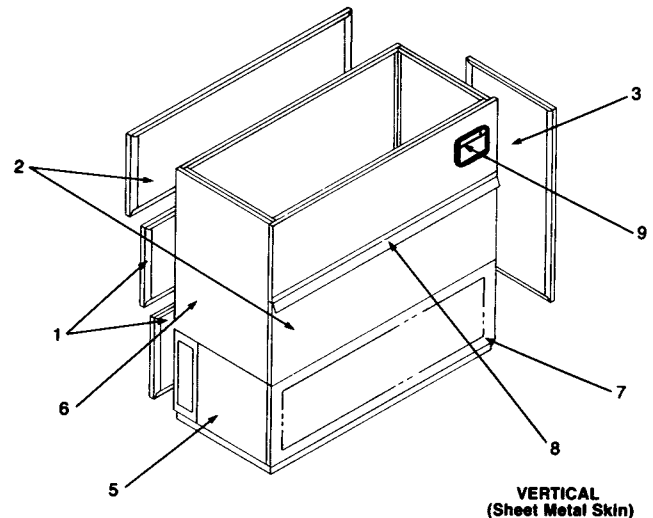
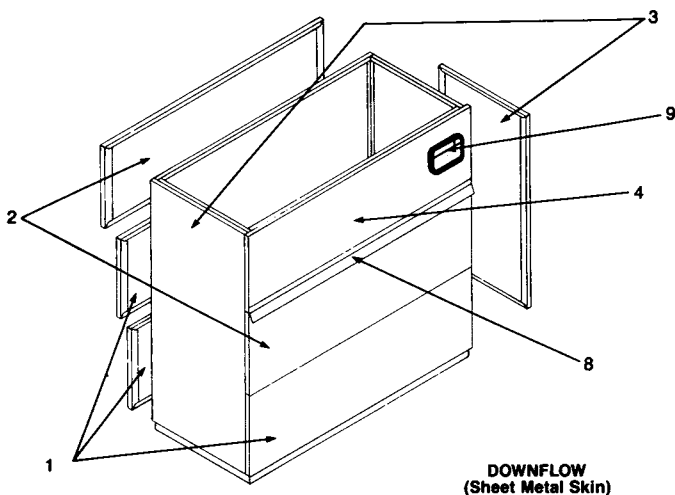
DISCONNECT SWITCH

Find No.	Description	Part Number		
		480 V	480 V	480 V
	Disconnect Switch (100 AMP)	E-2890	E-2880	E-2910

FILTERS

Find No.	Description	Part Number		
		6/10 Ton	15 Ton	20/22 Ton
	Filters 18x18x2	A02-0010 (4)	A02-0010 (6)	A02-0010 (4)
	Filters 18x24x2	A-0340 (2)	A-0340 (2)	A-0340 (4)

EXTERIOR PANELS



EXTERIOR PANELS

Find No.	Description	Part Number		
		6/10 Ton	15 Ton	20/22 Ton
34-3	End Panel	F02-1000	F02-1000	F02-1010
34-6	Vertical Top Compressor Panel	F02-1140	F02-1140	F02-1150
34-5	Vertical Bottom Compressor Panel	F02-1170	F02-1170	F02-1180
	Filter Box, Chill Water Units Only (2" Filters)	019-0436	019-0437	019-0438
	Filter Box, Rear Return DX Units	012-0086	012-0087	012-0088
34-1	Bottom Front & Bottom or Middle Rear	F02-7080	F02-7090	F02-7100
34-2	Middle Front & Top Rear	F02-7110	F02-7120	F02-7130
34-7	Vertical-Rear Return-Bottom Rear Panel	F02-7140	F02-7150	F02-7160
34-7	Vertical-Front Return-Bottom Front Panel	F02-7140	F02-7150	F02-7160
	Discharge Grill (Vertical Front Rtn Units)	1C19065P3	1C19065P1	1C19065P1

MAIN UNIT ACCENTS

6-10 TON

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
34-4	Local Monitor - Locking			011-0114		
34-4	Local Monitor - Non-Locking			011-0115		
34-4	Local Monitor - No Disconnect			011-0116		
34-4	w/o Local Monitor - Locking			011-0123		
34-4	w/o Local Monitor - Non-Locking			011-0124		
34-4	w/o Local Monitor - No Disconnect			011-0125		
34-8	Trim			T-0220		

15 TON

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
34-4	Local Monitor - Locking			011-0117		
34-4	Local Monitor - Non-Locking			011-0118		
34-4	Local Monitor - No Disconnect			011-0119		
34-4	w/o Local Monitor - Locking			011-0126		
34-4	w/o Local Monitor - Non-Locking			011-0127		
34-4	w/o Local Monitor - No Disconnect			011-0128		
34-8	Trim			T-0230		

20-22 TON

Find No.	Description	Part Number				RSP
		208 V	230V	460 V	575 V	
34-4	Local Monitor - Locking			011-0120		
34-4	Local Monitor - Non-Locking			011-0121		
34-4	Local Monitor - No Disconnect			011-0122		
34-4	w/o Local Monitor - Locking			011-0129		
34-4	w/o Local Monitor - Non-Locking			011-0130		
34-4	w/o Local Monitor - No Disconnect			011-0131		
34-9	Bezel - Local Monitor			S-6190		
	Bezel - Disconnect			S-6210		
34-9	Bezel - w/o Local Monitor			S12-2080		
34-8	Trim			T-0240		
	DZUS Fastener			S-0220		
	DZUS Spring			S-0230		
	DZUS Bar			S-0250		

OPTIONAL/MISCELLANEOUS EQUIPMENT

Find No.	Description	Part Number	Find No.	Description	Part Number
	Panel Wrench	S-0320		Touch Up Paint (All Colors)	
	Wheel Caster (4 Required)	1C19008P1		Pint Bottle	S-1100
	Panel Gasket Tape	S13-0080		Sprayer Power Unit	S-1090
				Quart Can	Z-203A
6-15	Floorstand Vibration Pads	9A31374G1		Gallon Can	Z-203B
				Pint Can	Z-203C

FILTER CHART

MODELS: FH/FE/UH075A, 114, 125A, 199A, 245A, 290A

FH/FE/UH086W, 127W, 138W, 219W, 267W, 315W

FH/FE/UH/UE072G, 110G, 116G, 192G, 240G, 265G

FH/UH137C, 173C, 237C, 280C, 305C, 386C, 411C, 488C

Models	4"/40%	4"/60%	6"/60%	2"/40%	QUANTITY
FLOR-FLO, 72" without ECON-O-COIL FH075A FH086W FH072G FH139C FH114A FH127W FH110G FH173C FH125A FH138W FH116G FH237C	A-0020	A-0380	A-0030	A-0350	3
FLOR-FLO, 72" with ECON-O-COIL FE075A FE086W FE072G FE114A FE127W FE110G FE125A FE138W FE116G	A-0010 A-0020	A-0380 A-0390	A-0030 A-0040	A-0350 A-0340	2 1
FLOR-FLO, 90" without ECON-O-COIL FH199A FH219W FH192G FH305C FH386C	A-0010 A-0020	A-0380 A-0390	A-0030 A-0040	A-0350 A-0340	3 1
FLOR-FLO, 90" with ECON-O-COIL FE199A FE219W FE192G	A-0010 A-0020	A-0380 A-0390	A-0030 A-0040	A-0350 A-0340	2 2
FLOR-FLO, 97" without ECON-O-COIL FH245A FH267W FH240G FH411C FH290A FH315W FH265G FH488C	A-0010	A-0380	A-0030	A-0350	4
FLOR-FLO, 97" with ECON-O-COIL FE245A FE267W FE240G	A-0010 A-0020	A-0380 A-0390	A-0030 A-0040	A-0350 A-0340	3 1
UP-FLO, 72" FRONT or REAR RETURN UH075A UH086W UH/UE072G UH139C UH114A UH127W UH/UE110G UH173C UH125A UH138W UH/UE116G UH237C	A-0320 A-0330	A-0400 A-0410	A-0110 A-0120	A-0360 A-0370	1 3
UP-FLO, 72" BOTTOM RETURN UH075A UH086W UH/UE072G UH139C UH114A UH127W UH/UE110G UH173C UH125A UH138W UH/UE116G UH237C	A-0010	A-0380	A-0030	A-0350	3
UP-FLO, 90" FRONT or REAR RETURN UH199A UH219W UH192G UH305C UH386C	A-0320 A-0330	A-0400 A-0410	A-0110 A-0120	A-0360 A-0370	3 1
UP-FLO, 90" BOTTOM RETURN UH199A UH219W UH192G UH305C UH386C	A-0010 A-0020	A-0380 A-0390	A-0030 A-0040	A-0350 A-0340	3 1
UP-FLO, 97" FRONT or REAR RETURN UH245A UH267W UE192G UH290A UH315W UH/UE240G UH411C UH488C UH265G	A-0320 A-0330	A-0400 A-0410	A-0110 A-0120	A-0360 A-0370	2 3
UP-FLO, 97" BOTTOM RETURN UH245A UH267W UE192G UH290A UH315W UH/UE240G UH411C UH488C UH265G	A-0010	A-0380	A-0030	A-0350	4

ELECTRONICS

LEVEL 1

Find No.	Description	Part Number				RSP
		208 V	230V	480 V	575 V	
	LV Dead Front Assembly w/Silence Switch Interface Assembly PCB		020-0344		020-0332	

TEMP/HUMIDITY ASSEMBLY

1-11	Temp Sensor	020-0150 (Solid)		020-0005 (Remote)		X
1-11	Humidity Sensor (Solid) (Remote)	010-0162 (Solid)		010-0172 (Remote)		X
	T/H PCB Brkt Assembly w/o Sensors		1C16324G1			X
	Silence Button (Yellow)		G-3460			
	Decrease/Increase Button (White)		G-3470			
	Advance Button (Blue)		G12-5240			
1-1	Opto-Isolator Board		020-0352			X
1-2	Power Supply 4 Amp		G-3540			X

GLYCOOL AQUASTAT

	Glycool Sensor Assembly w/Terms		020-0433			X
	Glycool PCB Assembly		020-0445			X

CABLES

	Opto to Interface (2)		022-2743			
	Opto to Interface (1)		022-2744			
	Opto to Interface (1)		022-2745			
	Opto to Display (1)		022-2746			
	Opto to Display (1)		022-2747			

TEMP/HUMIDITY CABLES

	Remote Wire Harness (from WH022-2741 to P16)		022-2742			
	Remote WH (T/H Sensor Assembly-30 ft. long)		022-2741			

ON UNIT SENSOR CABLES

	(UF) Wire Harness (P16 of Interface PCB)		022-2763			
	(DF) Wire Harness (P16 of Interface PCB)		022-2670			
	Audible Alarm		G-3550			X
	Relay 2P2T 24 VAC		G-1360			
	Start/Stop Switch Assembly		020-0436			
	Lens-Green "On"		G-3210			
	Lamp, Clear 24V Wedge Base		G12-0480			X
	Switch, Alt Action		G-3240			

LEVEL II (W/O LOCAL MONITOR)

	Card Cage Assembly		020-0331			
	Interface Assembly PCB		020-0332			X

TEMP/HUMIDITY ASSEMBLY

1-11	Temp Sensor	020-0150 (Solid)		020-0005 (Remote)		X
1-11	Humidity Sensor	020-0162 (Solid)		020-0172 (Remote)		X
	T/H PCB Brkt Assembly w/o Sensors		1C16324G1			X
	Decrease/Increase Button (White)		G-3400			
	Advance Button (Blue)		G12-5240			
	Microprocessor PCB (020 Software/STMSTR 100)	(Programmable)	1D14051G4			X
	Communications PCB		4D10089G1			X
	REM/EPROM PCB (020 Software/STMSTR 100)	(Programmable)	1C16869G3			X
9-1	Input Board PCB		020-0327			X
9-2	Output PCB		020-0326			X
	Power Supply 10 Amp		G12-4380			X

ELECTRONICS (Continued)

LEVEL II (W/O LOCAL MONITOR) (Continued)

GLYCOOL AQUASTAT

	Glycool Sensor Assembly w/Terms	020-0433	X
	Glycool PCB Assembly	020-0445	X

CABLES

	Interface to Input (1)	022-2748	
	Interface to Output (1)	022-2748	
	Interface to Input (1)	022-2749	
	Interface to Output (1)	022-2750	

TEMP/HUMIDITY CABLES

	Remote Wire Harness (from WH022-2741 to P16)	022-2742	
	Remote WH (T/H Sensor Assembly-30 ft. long)	022-2741	

ON UNIT SENSOR CABLES

	(UF) Wire Harness (P16 of Interface PCB)	022-2763	
	(DF) Wire Harness (P16 of Interface PCB)	022-2670	
	EPROM/Microprocessors	020-8002	X
	EPROM	020-8003	
	RAM/EPROM	020-8004	X
	EPROM	020-8005	
	EPROM	020-8006	
	EPROM	020-8007	
	EPROM	020-8008	
	Relay 2P2T 24 VAC	G-1360	
	Start/Stop Switch Assembly	020-0436	
	Lens-Green "On"	G-3210	
	Lamp, Clear 24V Wedge Base	G12-0480	X
	Switch, Alt Action	G-3240	
	Alarm Preset Switch Assembly	020-0435	
	Lens - Yellow, Alarm Present	G17-0010	
	Audible Alarm	G-3550	X
	Switch Lamp Holder	E15-0250	

LEVEL II (W/LOCAL MONITOR)

	LV Dead Front Assembly w/o Silence Switch	020-0345	X
	Card Cage Assembly	020-0331	
	Interface Assembly PCB	020-0332	X

TEMP/HUMIDITY ASSEMBLY

1-11	Temp Sensor	020-0150 (Solid)	020-0005 (Remote)	X
1-11	Humidity Sensor	020-0162 (Solid)	020-0172 (Remote)	X
	T/H PCB Brkt Assembly w/o Sensors		1C16324G1	X
	Decrease/Increase Button (White)		G-3470	
	Advance Button (Blue)		G12-5240	
	Microprocessor PCB (020 Software/STMSTR 100)	(Programmable)	1D14051G4	X
	Communications PCB		4D10089G1	X
	REM/EPROM PCB (020 Software/STMSTR 100)	(Programmable)	1C16869G3	X
9-1	Input Board PCB		020-0327	X
9-2	Output PCB		020-0326	X
	Power Supply 10 Amp		G12-4380	X

ELECTRONICS (Continued)

LEVEL II (W/LOCAL MONITOR) (Continued)

GLYCOOL AQUASTAT

Glycool Sensor Assembly w/Terms	020-0433	X
Glycool PCB Assembly	020-0445	X

CABLES

Interface to Input	022-2749	
Interface to Output	022-2748	
Interface to Input	022-2748	
Interface to Output	022-2750	

TEMP/HUMIDITY CABLES

Remote Wire Harness (from WH022-2741 to P16)	022-2742	
Remote WH (T/H Sensor Assembly-30 ft. long)	022-2741	

ON UNIT SENSOR CABLES

(UF) Wire Harness (P16 of Interface PCB)	022-2763	
(DF) Wire Harness (P16 of Interface PCB)	022-2670	
EPROM/Microprocessors	020-8002	X
EPROM	020-8003	
RAM/EPROM	020-8004	X
EPROM	020-8005	
EPROM	020-8006	
EPROM	020-8007	
EPROM	020-8008	
Audible Alarm	G-3550	X
Relay 2P2T 24 VAC	G-1360	
Start-Stop Switch Assembly	020-0436	
Lens - Green "On"	G-3210	
Lamp, Clear 24V Wedge Base	G12-0480	X
Switch, Alt Action	G-3240	

DISCONNECTS

Find No.	Description	Part Number				RSP
		240 V	480V	600 V		
	Disconnect - 100 Amp	E-2890	E-2880	E-2910		
	Disconnect - 225 Amp	E-2900				
	DISCONNECT HARDWARE					
	Non-Locking - 225 Amp	E-290B				
	Locking - 100 Amp	E-289B	E-289B	E-289B		
	Locking - 225 Amp	E-290B				
	TRANSFORMERS	208 V	230V	480 V	575 V	
	75 VA-208/-115V Control Voltage (1 per unit)	E-501A	E-501A	E-501B	E-501C	
	75 VA 208/-24V (4 per unit)	E-504A	E-504A	E-504B	E-504C	
	Control Voltage Relay		E-013A			

OPTIONS

Find No.	Description	Part Number				RSP
		208 V	230V	480 V	575 V	
6-1	Liqui-Test Panel			031-0005		
6-2	Liqui-Test Sensor only (LT300)			020-0449		X
	Liqui-Test Sensor w/Box (LT 300 "N/O")			020-0448		X
6-6	50' Cable			022-0147		
6-3	100' Cable			022-0148		
6-3	Standby Unit On (2 Unit Auto Switch Over)			035-0324		
	Sequential Auto Restart Level 1 Electronics			E-3530		
6-6	T/H Sensor Assembly, Remote 30 ft. Cable			020-0357		
	T/H Sensor Assembly, Remote 60 ft. Cable			1C11236G1		
6-4	T/H Sensor Assembly, Remote 90 ft. Cable			1C16334G3		
	T/H Sensor Assembly, Remote 120 ft. Cable			1C16334G4		
	T/H Sensor Assembly, Remote 150 ft. Cable			1C16334G5		
9-3	Service Terminal			020-0247		
	Floor Stand			See Floorstand Chart		
	Temp./Humidity Recorder (Encased)			031-0002		
	Recorder			K-0140		
	Sensor			K-0160		X
	Charts			K-0170		X
	Motor			K-0180		X
	Purple Pen			K-0210		X
	Red Pen			K-0200		X
	Smoke Detector (Complete) (D)			035-0333		
	Smoke Detector (Complete) (V)			035-0334		
	Power Supply - Smoke Detector			020-0151		
	Smoke Detector			P-412A		X
	Fire Stat (Complete) (D)			035-0331		
	Fire Stat (Complete) (V)			035-0332		
	Fire Stat 6/8/10T w/Econ-O-Coll (D)			035-0891		
	Fire Stat			E-2350		X
	Condensate Pump (Complete)					
	Kit-0021 (Air and Chilled Water) 206V/230V	X	X			
	Kit-0020 (Air and Chilled Water) 460V			X		
	Kit-0022 (Water and Glycol) 206V/230V	X	X			
	Kit-0023 (Water and Glycol) 460V			X		
	Transformer, Condensate Pump			E05-4270	E05-4600	X
	Condensate Pump			X-015A		X
	Check Valve, Condensate			X-015C		X

SITEMASTER 100 BREAKDOWN

Find No.	Description	Part Number				RSP
		208 V	230V	480 V	575 V	
	PCB, Backplane		020-0242			
9-4	PCB, Eprom Alarm		1C16869G7			
	PCB, Alpha Numeric		020-0248			
9-5	PCB, Serial Communication		020-0249			
9-3	PCB, Microprocessor		1D14051G3			
9-12	PCB, Printer		020-0252			
9-11	PCB, Clock/RAM		020-0254			
	PCB, Auxiliary Printer		020-0264			
	Card Cage		020-0256			
9-10	Printer and Door Section		020-0269			
9-9	Paper, Roll, White (48 rolls)		035-5420			X
	Ink Cartridge, Black (4 cartridges)		034-5430			X
9-7	Power Supply - 5 VDC, 10 Amp		G12-4380			X
	Communication Cable		E17-1850			
	Fan, Cooling, Black 115 VAC		G12-3550			X
	Keypad, Display Panel		G12-3320			
	Connector, 16 POS, (Communication PCB)		28-3000100			
	Phototransistor Detector		G-2820			X
	LED Infrared Diode, Emitting		G-2810			
	Led Socket		G12-4860			X
	Cable Assembly, Low Paper		4C10296G1			
	Cable Galv., w/Vinyl Coating (Prntr Assy)		S12-2330			
	Cable Assembly, .1 In Ctr (Prntr Assy)		022-2738			
	Cable, Pwr Supply, 28 VDC and 5 VDC		4C10131G1			
9-8	Power Supply 28 VDC for Printer		G12-4390			X

CARLYLE COMPRESSOR PARTS CARRIER CORPORATION

		6	8 & 10	15	20	22
TONNAGE						
Compressor	208/230v	1C16603P1	1C16604P1	1C16605P1	1C16606P1	1C16607P1
Part Numbers	460v	1C16603P2	1C16604P2	1C16605P2	1C16606P2	1C16607P2
w/o Unloaders	575v	1C16603P3	1C16604P3	1C16605P3	1C16606P3	1C16607P3
Compressor	208/230v	---	1C18809P1	1C18810P1	1C18811P1	1C18812P1
Part Numbers	460v	---	1C18809P2	1C18810P2	1C18811P2	1C18812P2
with Unloader	575v	---	1C18809P3	1C18810P3	1C18811P3	1C18812P3
VALVE PLATE & GASKETS						
Valve Plate & Gasket Kit/ 1 per head		*C-0970	*C-0970	*C-0970	*C-0970	*C-0970
Center Head Gasket		C-1010	---	---	C-1010	C-1010
Lft/Rht Head Gasket w Unl		---	1C16777P1	1C16777P1	1C16777P1	1C16777P1
Lft/Rht Head Gasket w/o Unl		C-1000	C-1000	C-1000	C-1000	C-1000
Body Head Gasket		C-1030	C-1030	C-1030	C-1030	C-1030
SRVC VALVES & GASKET						
Suction Service Valve		C-0870	C-0910	C-0880	C-0890	C-0890
Suction Valve Gasket		C-087A	C-088A	C-088A	C-089A	C-089A
Discharge Service Valve		C-0930	C-0930	C-0870	C-0880	C-0880
Discharge Valve Gasket		C-080N	C-080N	C-087A	C-088A	C-088A
MISC. GASKETS						
Bottom Plate Gasket		C-1150	C-1150	C-1150	C-1140	C-1140
Bell End Gasket		C-1330	C-1120	C-1120	C-1120	C-1120
Pump Gasket		C-1190	C-1190	C-1190	C-1190	C-1190
Sight Glass Package		C-1220	C-1220	C-1220	C-1220	C-1220
CYLINDER HEADS						
Unloader Cylinder Head		1C16778P2	1C16778P2	1C16778P2	1C16778P2	1C16778P2
Cylinder Head w/o Unldr		C-1200	C-1200	C-1200	C-1180	C-1180

* C-0970 contains a valve plate, a reed valve, and the following five gaskets: 1C16777P1-Metal C-1030-Fiber
C-1000-Fiber C-1010 Fiber One metal body gasket with no part number for Cork Ireland units.

CARLYLE COMPRESSOR CROSS-REFERENCE SHEET (w/Overloads)

TONNAGE, OVERLOADS, COMPRESSOR W/ OR W/O UNLOADER	208v	230v	460v	575v
6 TON COMPRESSORS				
Old Std Efficiency Comp.	C-0010	C-0020	C-0030	C-0040
Compressor Overload	C-0670	C-0680	C05-1730	C-0690
High Efficiency Compressor w/o Unloader	1C16603P1	1C16603P1	1C16603P2	1C16603P3
High Efficiency Compressor with Unloader	---	---	---	---
Compressor Overload	C-0670	C-0670	C05-1730	C-0690
8 TON COMPRESSORS				
Old Std Efficiency Comp.	C-0050	C-0060	C-0070	C-0080
Compressor Overload	C05-0600	C-0750	C05-0610	C05-0620
High Efficiency Compressor w/o Unloader	1C16604P1	1C16604P1	1C16604P2	1C16604P3
High Efficiency Compressor with Unloader	1C18809P1	1C18809P1	1C18809P2	1C18809P3
Compressor Overload	C05-0600	C05-0600	C05-0610	C05-0620
10 TON COMPRESSORS				
Old Std Efficiency Comp.	C-0060	C-0060	C-0070	C-0080
Compressor Overload	C-0750	C-0750	C05-0610	C05-0620
High Efficiency Compressor w/o Unloader	1C16604P1	1C16604P1	1C16604P2	1C16604P3
High Efficiency Compressor with Unloader	1C18809P1	1C18809P1	1C18809P2	1C18809P3
Compressor Overload	C05-0600	C05-0600	C05-0610	C05-0620
15 TON COMPRESSORS				
Old Std Efficiency Comp.	C-0090	C-0090	C-0110	C-0120
Compressor Overload	C05-0630	C05-0630	C05-0650	C-0670
High Efficiency Compressor w/o Unloader	1C16605P1	1C16605P1	1C16605P2	1C16605P3
High Efficiency Compressor with Unloader	1C18810P1	1C18810P1	1C18810P2	1C18810P3
Compressor Overload	1C15658P1	1C15658P1	1C15658P1	C-0680
20 TON COMPRESSORS				
Old Std Efficiency Comp.	C-0310	C-0310	C-0330	C-0340
Compressor Overload	C-0760	C-0760	C05-0600	C05-0650
High Efficiency Compressor w/o Unloader	1C16606P1	1C16606P1	1C16606P2	1C16606P3
High Efficiency Compressor with Unloader	1C18811P1	1C18811P1	1C18811P2	1C18811P3
Compressor Overload	1C15657P1	1C15657P1	C-0980	C-0670
22 TON COMPRESSORS				
Old Std Efficiency Comp.	C-0620	C-0620	C-0640	C-0650
Compressor Overload	C05-2150	C05-2150	C05-0690	C-0960
High Efficiency Compressor w/o Unloader	1C16607P1	1C16607P1	1C16607P2	1C16607P3
High Efficiency Compressor with Unloader	1C18812P1	1C18812P1	1C18812P2	1C18812P3
Compressor Overload	C-0760	C-0760	C05-0600	C05-0650

COPELAND COMPRESSOR PARTS

COMPRESSOR	VALVE PLATE AND GASKET KIT	OVERLOADS	SERVICE VALVES AND GASKETS			
Part Number	Part Number	Part Number	Suction Valve	Suction Gasket	Discharge Valve	Discharge Gasket
C-050A	C-080E	C-081B	C-0870	C-087A	C-0930	C-080N
C-050B	C-080E	C-081A	C-0870	C-087A	C-0930	C-080N
C-050C	C-080E	C-081C	C-0870	C-087A	C-0930	C-080N
C-050D	C-080P	Internal	C-0870	C-087A	C-0930	C-080N
C-050E	C-080P	Internal	C-0870	C-087A	C-0930	C-080N
C-050F	C-080P	Internal	C-0870	C-087A	C-0930	C-080N

CONDENSER GASKET CROSS REFERENCE

COND. PART #	AMETEK CORP		STANDARD REFRIGERATION GASKETS	DUNHAM BUSH GASKETS
	AMETEK/ WHITLOCK GASKETS	RHEEM/ACME/ BOHN/G&W GASKETS		
J-0020	---	J-0060 (Square)	J-019A (FRNT) J-019B (REAR)	---
J-002A	---	J-0250	---	---
J-002B	J-0230 *	---	---	---
J-002C	---	---	J-019A (FRNT) J-019B (REAR)	---
J-002D	J-0230 *	J-0260	---	---
J-002E	---	J-0260	J-019A (FRNT) J-019B (REAR)	J-0370 (FRNT) J-0380 (REAR)
J-002F	J-0230 *	J-0260	---	---
J-002G	J-0230	J-0260	J-019G (FRNT) J-019H (REAR)	---
J-002H	J-0260	---	---	---
J-0040	---	J-0060 (Square)	J-019C (FRNT) J-019D (REAR)	---
J-004A	---	J-0250	---	---
J-004B	J-0240 *	---	---	---
J-004C	---	---	J-019C (FRNT) J-019D (REAR)	---
J-004D	J-0240 *	J-0260	---	---
J-004E	---	J-0260	J-019C (FRNT) J-019D (REAR)	J-0360 (FRNT) J-0370 (REAR)
J-004F	J-0240 *	J-0260	---	---
J-004G	J-0260 *	---	J-019J (FRNT) J-019K (REAR)	---
J-004H	J-0260 *	---	---	---

* Gasket fits both ends of the condenser; portions of the gasket can be cut to match the gasket being replaced.

COND. PART #	AMETEK CORP		STANDARD REFRIGERATION GASKETS	DUNHAM BUSH GASKETS
	AMETEK/ WHITLOCK GASKETS	RHEEM/ACME/ BOHN/G&W GASKETS		
J-0090	---	J-0060 (Square)	J-019E (FRNT) J-019F (REAR)	---
J-009A	---	J-0250	---	---
J-009B	J-0240 *	---	---	---
J-009C	---	---	J-019E (FRNT) J-019F (REAR)	---
J-009D	J-0240 *	---	---	---
J-009E	---	J-0260	J-019E (FRNT) J-019F (REAR)	J-0360 (FRNT) J-0370 (REAR)
J-009F	J-0240 *	J-0260	---	---
J-009G	J-026A *	---	J-019G (FRNT) J-019H (REAR)	---
J-009H	J-026A *	---	---	---
J-0110	---	J-0060 (Square)	J-019A (FRNT) J-019B (REAR)	---
J-011A	---	J-0250	---	---
J-011B	J-0230 *	---	---	---
J-011C	---	---	J-019A (FRNT) J-019B (REAR)	---
J-011D	J-0230 *	J-0260	---	---
J-011E	---	J-0260	J-019A (FRNT) J-019B (REAR)	J-0370 (FRNT) J-0380 (REAR)
J-011F	J-0230 *	J-0260	---	---
J-011G	J-0260	---	J-019G (FRNT) J-019H (REAR)	---
J-011H	J-0260	---	---	---

* Gasket fits both ends of the condenser; portions of the gasket can be cut to match the gasket being replaced.

INTERNAL PARTS FOR VALVES

EXPANSION VALVES

LIEBERT VALVE PART NUMBER	ELEMENT KIT NUMBER
P-0110	P-5740R
P-0120	P-5740R
P-015A	P-5750R
P-0150	P-5740R
P-2790	P-5760R
P-3890	P-5740R
P02-0170	N/A
P02-0180	N/A
P02-0190	P-5750R
P02-0200	P-5740R
P02-0210	P-5760R
P02-0220	P-5740R
P13-0010	P-5750R
P13-0020	P-5750R

SOLENOID VALVES

[illegible]

3-WAY CHILLED WATER VALVES

LIEBERT VALVE PART NUMBER	REPACKING KIT
P-031A	1A19098P1
P-0300	1A19098P1
P-0310	1A19098P1
P-3600	1A19099P1
P-4390	1A19099P1

WATER REGULATING VALVES

LIEBERT VALVE PART NUMBER	RENEWAL KIT	COIL PART NUMBER
P-0250	P-5910R	P-5950R
P-0260	P-5900R	P-5620R
P-0320	N/A	P-5950R
P-0330	P-5860R	P-5620R
P-0340	P-5870R	P-5630R
P-2780	P-5880R	P-5630R
P-3110	P-5890R	P-5630R
P-3450	P-5850R	P-5630R
P03-0010	P-5920R	P-5610R

FLOORSTAND AND TURNING VANE CROSS REFERENCE SHEET

NOTE: This list represents Floorstands and Turning Vane part numbers for models listed only in this parts manual and in previous System/3 parts manuals. It cannot be used for the new chilled water units (147C, 200C, 248C, 302C, 422C or 529C).

TONNAGE AND CONDENSING MEDIUM	NOMINAL HEIGHT	HEIGHT RANGE (INCHES)	FRAME LENGTH 72"	FRAME LENGTH 90"	FRAME LENGTH 97"
Downflo Units	9	7.5 to 10.5	030-0342	030-0348	030-0354
6 thru 22 Ton	12	10.5 to 13.5	030-0343	030-0349	030-0355
Air, Water,	15	13.5 to 16.5	030-0344	030-0350	030-0356
Glycool, Glycol	18	16.5 to 19.5	030-0345	030-0351	030-0357
	21	19.5 to 22.5	030-0346	030-0352	030-0358
	24	22.5 to 25.5	030-0347	030-0353	030-0359
Vertical Units	9	7.5 to 10.5	030-0366	030-0390	030-0372
6 thru 22 Ton,	12	10.5 to 13.5	030-0367	030-0391	030-0373
Air, Water, Glycol,	15	13.5 to 16.5	030-0368	030-0392	030-0374
20/22 Glycool	18	16.5 to 19.5	030-0369	030-0393	030-0375
*15 Glycool = 97" frame	21	19.5 to 22.5	030-0370	030-0394	030-0376
	24	22.5 to 25.5	030-0371	030-0395	030-0377
Vertical Units	9	7.5 to 10.5	1d10849G1	--	--
*6/8/10 Glycool (UE)	12	10.5 to 13.5	1d10848G1	--	--
	15	13.5 to 16.5	1d10847G1	--	--
	18	16.5 to 19.5	1d10846G1	--	--
	21	19.5 to 22.5	1d10845G1	--	--
	24	22.5 to 25.5	1d10844G1	--	--
Turning Vanes	9	7.5 to 10.5	F20-1060	F20-1120	* F20-1180
Downflo/Vertical, 6 thru 22	12	10.5 to 13.5	F20-1070	F20-1130	* F20-1190
Ton Air, Water, Glycol,	15	13.5 to 16.5	F20-1080	F20-1140	* F20-1200
20/22 Glycool	18	16.5 to 19.5	F20-1090	F20-1150	* F20-1210
*15 Glycool = 97" frame	21	19.5 to 22.5	F20-1100	F20-1160	* F20-1220
	24	22.5 to 25.5	F20-1110	F20-1170	* F20-1230
Turning Vanes	9	7.5 to 10.5	F20-1060	--	--
Downflo/Vertical	12	10.5 to 13.5	F20-1070	--	--
*6/8/10 Glycool (UE)	15	13.5 to 16.5	F20-1080	--	--
	18	16.5 to 19.5	F20-1090	--	--
	21	19.5 to 22.5	F20-1100	--	--
	24	22.5 to 25.5	F20-1110	--	--

*6, 8, 10 Ton Vertical (UE) Glycool Units are manufactured with a 71" x 31" frame and use the appropriate part numbers listed on this chart.

*15 Ton Vertical (UE) Glycool Units are manufactured with a 97" x 33" frame and use the appropriate part numbers listed on this chart.

SITEMASTER 200 COMMUNICATION WITH ENVIRONMENTAL UNITS SITEMASTER 100 COMMUNICATION WITH LEVEL 0 UNITS

How to use this Section.

You will need to know the following about your environmental unit:

The Model Number of the unit (FH199A-A01)

This provides the electronics monitoring level of the unit,
(last two digits).

Level 1
Level 2
Level 3

The Serial Number of the unit

This will provide the manufacturing date and also any standard or
special messages for programming the Microprocessor PCB, and
Eprom Update Kits.

SITEMASTER COMMUNICATION CROSS REFERENCE SHEET FOR ENVIRONMENTAL UNITS

LEVEL 0:

SITEMASTER 100

CHALLENGER2 LEVEL 0:
SYSTEM/3 LEVEL 0:

KIT-2002 – Format PCB
KIT-2002 – Format PCB

SITEMASTER 200

CHALLENGER2 LEVEL 0:
SYSTEM/3 DX, CW LEVEL 0:
SYSTEM/3 DX, LEVEL 0:
SYSTEM/3 CW, LEVEL 0:

Nothing required
Nothing required if software is Rev 4 or above
020-8071 & 020-8072, If software is below Rev 4
020-8069 & 020-8070, If software is below Rev 4

LEVEL 1:

SITEMASTER 200

SYSTEM/3 LEVEL 1:

KIT-0101 – Protocol PCB

LEVEL 2:

SITEMASTER 200 (Converts a 5 PCB cardcage to a 4 PCB cardcage)

SYSTEM/3 LEVEL 2:

1D16265G2 – Microprocessor & Communications PCB,
2 Prong Probe Asmbly (Programmable PCB)

SITEMASTER 200 (Allows a 5 PCB cardcage to remain a 5 PCB cardcage)

SYSTEM/3 LEVEL 2:

1C15838G1 (1 each) – Cable Assy Stmstr 200
E-307A (3 each) – Term Splice End Cap
1C16617G2 – If unit was manufactured prior to April 1985,
order this Eprom Update (Programmable
Eproms)

LEVEL 3:

SITEMASTER 200 (Converts a 5 PCB cardcage to a 4 PCB cardcage)

SYSTEM/3 LEVEL 3:

1D16265G2 – Microprocessor & Communications PCB,
2 Prong Probe Asmbly (Programmable PCB)

SITEMASTER 200 (Allows a 5 PCB cardcage to remain a 5 PCB cardcage)

SYSTEM/3 LEVEL 3:

1D15837G1 (1 each) – Protocol PCB
1C15838G1 (1 each) – Cable Assy Stmstr 200
E-307A (3 each) – Term Splice End Cap
1C16617G2 – If unit was manufactured prior to April 1985,
order this Eprom Update (Programmable
Eproms)

1985 SOFTWARE UPDATE CREATES ENHANCEMENTS

SET MODE TWO ALARM ADJUSTMENT COMPRESSOR SEQUENCE ADJUSTMENT TWO PRONG PROBE PROGRAMMABLE FLUSH RATE

In 1985, Liebert released software kits with enhancements for all levels of environmental control. The following are part numbers and descriptions of those kits.

LEVEL 0:

KIT-0116:	CHALL 2 LEV 0 REV 1 RETROFIT (EPROMS ONLY)
KIT-0117:	SYSTEM 3 DX LEV 0 REV 1 RETROFIT (EPROMS ONLY)
KIT-0118:	SYSTEM 3 CW LEV 0 REV 1 RETROFIT (EPROMS ONLY)

PURPOSE: With Level 0 enhancements the alarm trip points can be set within one degree or one percent of the setpoint now through Set Mode Two.

Compressor sequence can be selected.

Low and high humidity alarms disable with control switch.

LEVEL 1:

KIT-0119:	SYSTEM 3 CW/DX LEV 1 REV 1 RETROFIT (EPROMS & 2 PRONG PROBE)
-----------	--

PURPOSE: With Level 1 enhancements the alarm trip points can be set within one degree or one percent of setpoint now through Set Mode Two.

Autoflush is now software controlled using a new probe assembly for high water alarm only.

Humidifier pan size is selectable through a control switch.

Humidifier water flush rate is programmable through Set Mode Two.

Low and high alarms can be disabled through Set Mode.

LEVEL 2 & 3:

1D16265G1:	SYSTEM 3 CW/DX LEV 02 without SM200, all LEV 03
1D16265G2:	SYSTEM 3 CW/DX LEV 02 with SM200
1C16617G2:	If your unit was manufactured prior to April 1985, and is Level 2 or 3, you must also order these new software eproms for your unit.

PURPOSE: Autoflush is now software controlled using a new probe assembly for high water alarm only.

New Microprocessor/Memory PCB replaces previous Microprocessor PCB and Memory PCB (programmable PCB).

New Communications PCB eliminates need of the Protocol PCB.

Pan size is selectable through control switch.

Humidifier water flush rate is programmable through the Sitemaster Service Terminal.

NOTES

3- Electromute

Type 2157-8451LA

Valve Sol/Steam/R/O - Reg.

24V-

P5590

PSI 125

Type 2157-8111LA

240 Volts

1C19585PI

Type 2157-8451LA

Valve Assy Solenoid auto flush

1C11414G1

NOTES

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NOTES

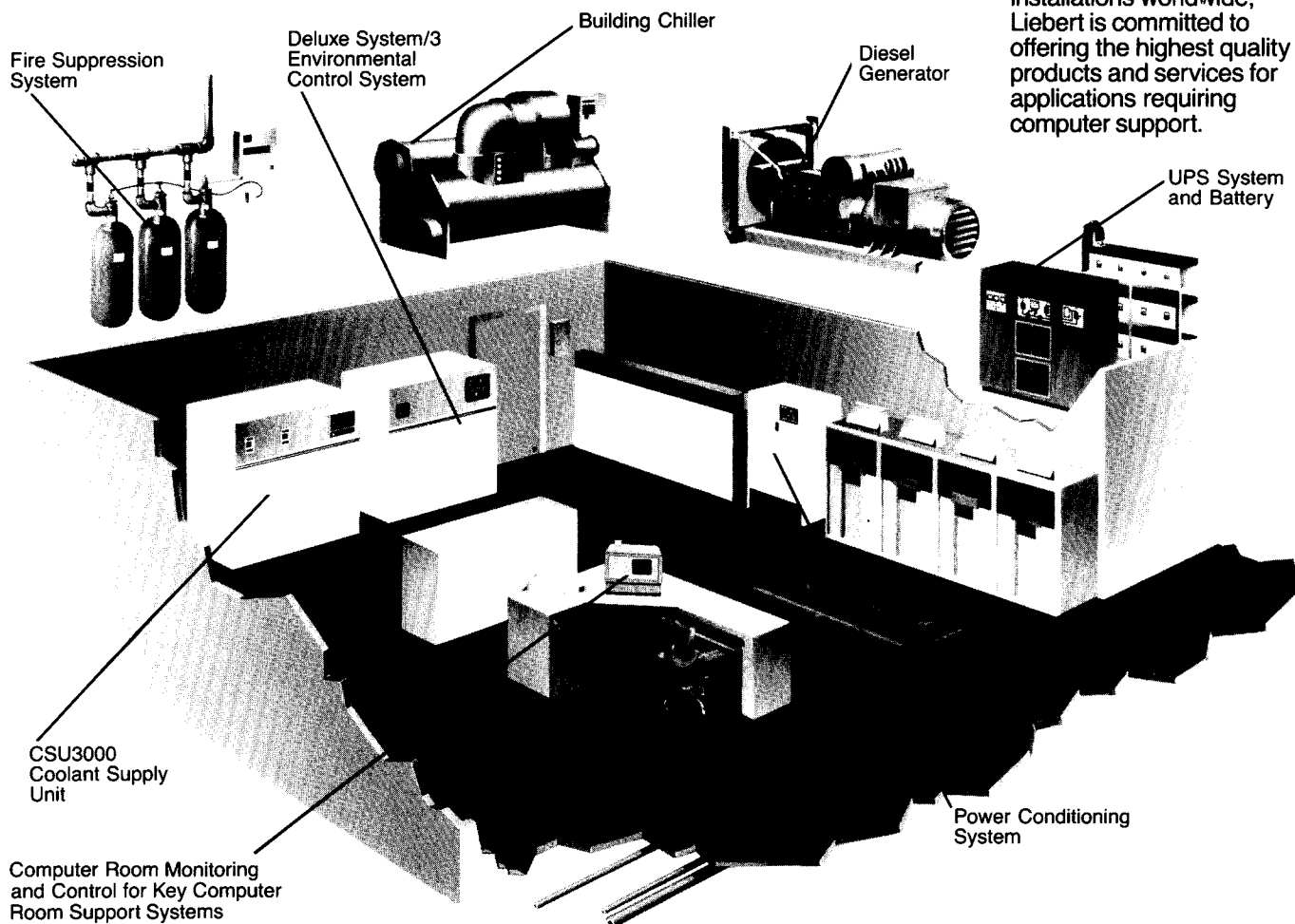
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Printed in U.S.A.
SL-18400 (REV 12/89)