



HERMETIC CENTRIFUGAL LIQUID CHILLER

DRAWING NUMBER	REV
5071-2748	A

DEVICE	DESCRIPTION	LINE	DEVICE	DESCRIPTION	LINE
1A1	24VDC POWER SUPPLY NO 1	80			
1A2	24VDC POWER SUPPLY NO 2	92	4A2	DISPLAY TD12	114
1A4	CONDENSER HIGH PRESSURE CUTOOUT SWITCH INPUT	96	4K48	AIRFI INTERFACE MODULE	98
1A5 (1)(2)	EVAPORATOR AND CONDENSER WATER PUMP, OIL TANK HEATER AND ICE BUILDING INDICATOR RELAYS	150	4Y1	WIFI ANTENNA MODULE	101
1A6	EVAPORATOR AND CONDENSER WATER FLOW SWITCH/INTERLOCK INPUTS	141	4Y2	LTE MODEM MODULE	104
1A7	OIL/REFRIGERANT PUMP MOTOR CONTROL RELAY	105	4B1	EVAPORATOR WATER DIFERENTIAL PRESSURE	241
1A8 (1)	NON-LATCHING AND LATCHING ALARM, LIMIT MODE AND RUNNING INDICATOR RELAYS	223	4B2	CONDENSER WATER DIFERENTIAL PRESSURE	244
1A9 (1)	HEAD RELIEF REQUEST, MAXIMUM CAPACITY AND PURGE ALARM INDICATOR RELAYS	204,233	4B3	OIL/REFRIGERANT PUMP MOTOR	115
1A11	FREE COOLING RELAY OUTPUTS	169	4B5	HOT GAS BYPASS VALVE	94,191
1A12	HOT GAS BYPASS VALVE CONTROL RELAY	187	4B12	FREE COOLING LIQUID LINE VALVE	171
1A13	EXTERNAL AUTO-STOP AND EMERGENCY STOP INPUTS	126	4B13	FREE COOLING GAS LINE VALVE	175
			4M5	HOT GAS BY-PASS END SWITCH	94,198
1A15	% RLA COMPRESSOR AND CONDENSER REFRIGERANT PRESSURE OUTPUTS	268	4M12	FREE COOLING LIQUID LINE VALVE	171
1A16	EXTERNAL CURRENT LIMIT AND CHILLED WATER SETPOINT INPUTS	254	4M13	FREE COOLING GAS LINE VALVE	176
1A17	EXTERNAL BASE LOADING SETPOINT AND REFRIGERANT MONITOR INPUTS	240	4HR1	OIL TANK HEATER	151
1A18	EXTERNAL BASE LOADING AND EXTERNAL HOT WATER CONTROL ENABLE/DISABLE INPUTS	226	4L1	VENT LINE SOLENOID	112
1A19	EXTERNAL ICE BUILDING COMMAND INPUT	215	4M1R2,3,4	MOTOR WINDING TEMPERATURE 1, 2 & 3	124
1A20	EXTERNAL FREE COOLING COMMAND AND FREE COOLING VALVES CLOSED INPUTS	162	4M1	COMPRESSOR MOTOR	10
1A21	EVAPORATOR AND CONDENSER WATER FLOW METER, DIFFERENTIAL PRESSURE OR CUSTOMER 4-20MA INPUTS	242	4M2	INLET GUIDE VANE FIRST STAGE ACTUATOR	128
1A22	SYMBIO800 UNIT CONTROLLER	103	4M3	OIL/REFRIGERANT PUMP MOTOR	115
1A23	STARTER MODULE	.	4M12	FREE COOLING LIQUID LINE SWITCH	159
1A24	STARTER FAULT INPUT	.	4M13	FREE COOLING GAS LINE SWITCH	160
			4R1	INBOARD BEARING TEMPERATURE SENSOR	192
1A26	MOTOR WINDING TEMPERATURE 1, 2 AND 3 INPUTS	121	4R2	OUTBOARD BEARING TEMPERATURE SENSOR	195
			4R3	OIL PUMP DISCHARGE PRESSURE TRANSDUCER	119
1A28	HEAT RECOVERY AUX CONDENSER WATER FLOW METER	313	4R4	OIL TANK PRESSURE TRANSDUCER	122
1A29	HEAT RECOVERY AUX CONDENSER WATER FLOW SWITCH/INTERLOCK INPUTS	302	4R5	OIL TANK TEMPERATURE SENSOR	125
			4R6	EVAPORATOR ENTERING WATER TEMPERATURE SENSOR	164
1A31	POWER PLUG/ USB PORT	111	4R7	EVAPORATOR LEAVING WATER TEMPERATURE SENSOR	168
1A98	STARTER INRTERLOCK/SAFETY STRING	291	4R8	CONDENSER ENTERING WATER TEMPERATURE SENSOR	171
1A99	CALL FOR COOLING	277	4R9	CONDENSER LEAVING WATER TEMPERATURE SENSOR	174
			4R10	EVAP. SATURATED REF. TEMP. SENSOR	177
1F8,9	OIL REFRIGERANT PUMP MOTOR USE	114,116	4R11	COND. SATURATED REF. TEMP. SENSOR	180
1C1	OIL REFRIGERANT PUMP MOTOR CAPACITOR	114	4R13	OUTDOOR AIR TEMPERATURE SENSOR	183
1K8	OIL REFRIGERANT PUMP MOTOR START RELAY	116	4R14	SECOND CONDENSER ENTERING WATER TEMP. SENSOR	186
1K9	SOLID STATE OIL HEATER RELAY	156	4R15	SENCOND CONDERSER LEAVING WATER TEMP. SENSOR	189
1K20	TIMING RELAY	110	4R16	COMPRESSOR DISCHARGE REFRIGERANT TEMP. SENSOR	198
1S1	COND HIGH PRESSURE CUTOOUT SWITCH	100	4R17,18	EVAPORATOR AND CONDENSER WATER FLOW DETECTION SENSOR	147
1T1	CONTROL POWER TRANSFORMER	99	4R19	HEAT RECOVERY AUX CONDENSER WATER FLOW DETECTION SENSOR	311
1Q1	STARTER CONTROL CIRCUIT BREAKER	76	4R22	CONDENSER REFRIGERANT PRESSURE TRANSDUCER	128
1Q2	PURGE CONTROL CIRCUIT BREAKER	78	4R96	MOTOR TEMPERATURE SENSOR	128
1Q3	UNIT CONTROL CIRCUIT BREAKER	80	4BP4	EVAPORATOR ENTERING WATER PRESSURE TRANSDUCER	257
1Q4	OIL/REFRIGERANT CONTROL CIRCUIT BREAKER	82	4BP5	EVAPORATOR LEAVING WATER PRESSURE TRANSDUCER	260
1Q5	OIL/REFRIGERANT PUMP MOTOR CIRCUIT BREAKER	106	4BP6	CONDENSER ENTERING WATER PRESSURE TRANSDUCER	263
1Q6	POWER PLUG CIRCUIT BREAKER	80	4BP7	CONDENSER LEAVING WATER PRESSURE TRANSDUCER	266
			4BP8	HEAT RECOVERY AUX CONDENSER ENTERING WATER PRESSURE TRANSDUCER	327
1W1	JUMPER BAR	79	4BP9	HEAT RECOVERY AUX CONDENSER LEAVING WATER PRESSURE TRANSDUCER	330
1W2,3,4,5	JUMPER WIRES	121,124	5B1	CUSTOMER PROVIDE EVAPORATOR WATER FLOW METER	249
1W6,7,8	JUMPER WIRES, IFM FLOW SWITCH	140,304	5B2	CUSTOMER PROVIDE CONDENSER WATER FLOW METER	242
1X1,2	MAIN CONTROL PANEL TERMINAL BLOCKS	1,2,3	5B3	CUSTOMER PROVIDE HEAT RECOVERY AUX CONDENSER WATER FLOW METER	320
1K26,27	EVAPORATOR AND CONDENSER WATER FLOW DETECTION CONTROLLER	141	5H1	CHILLER LATCHING ALARM INDICATOR	229
1K28	HEAT RECOVERY AUX CONDENSER WATER FLOW DETECTION CONTROLLER	306	5H2	CHILLER NON-LATCHING ALARM INDICATOR	235
1K47	LONTALK MODULE	109	5H4	PURGE ALARM INDICATOR	211
			5H6	CHILLER RUNNING INDICATOR	226
2A1	STARTER MODULE	31	5H7	CHILLER LIMIT MODE INDICATOR	232
2CB1	MAIN CIRCUIT BREAKER	5,9,13	5H8	ICE BUILDING INDICATOR	154
2F1,2,3	CONTROL POWER PRIMARY FUSING	68,70	5H9	FREE COOLING INDICATOR	181
2F4	CONTROL POWER SECONDARY FUSE	73	5H10	CHILLER HEAD RELIEF REQUEST INDICATOR	214
2F5,6,7	OIL PUMP FUSING	1,2,3	5H11	CHILLER MAXMUM CAPACITY INDICTOR	217
2F52,53,54	ENERGY METER OPTION, FUSING	56,57,58	5K1	EVAPORATOR WATER PUMP CONTROL	138
2K1	START CONTACTOR	38	5K2	CONDENSER WATER PUMP CONTROL	140
2K2	RUN CONTACTOR	41	5K3	SECONDARY CONDENSER WATER PUMP CONTROL	300
2K3	SHORTING CONTACTOR				

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