



24V POWER

J/P	JACK/PLUG DESCRIPTION
18	EXHAUST FAN COMP
24	EXHAUST FAN
47	OUTDOOR FAN 1
52	OUTDOOR FAN 2
86	OUTDOOR FAN INTERFACE
87	OUTDOOR FAN INTERFACE 2
106	OUTDOOR FAN 3
107	OUTDOOR FAN 4
108	OUTDOOR FAN 5
109	OUTDOOR FAN 6
118	COMPRESSOR 3 AND 4, CONTROL
119	COMPRESSOR 3 AND 4, INPUT
132	EXHAUST FAN MOTOR 1
133	EXHAUST FAN MOTOR 2
138	EXHAUST FAN 2
263	HIGH AND LOW PRESSURE SWITCHES
264	BLOWER DECK AREA
265	CONTACTORS AND RELAYS
267	OUTDOOR FAN AREA
268	TRANSFORMERS
269	HUMIDITROL
299	SAFETY
310	CRANKCASE HEATERS

NOTE - IF ANY WIRE IN THIS APPLIANCE IS REPLACED IT MUST BE REPLACED WITH WIRE OF LIKE SIZE, RATING, TERMINATION AND INSULATION THICKNESS.

WARNING - ELECTRIC SHOCK HAZARD, CAN CAUSE INJURY OR DEATH. UNIT MUST BE GROUNDED IN ACCORDANCE WITH NATIONAL AND LOCAL CODES.

DISCONNECT ALL POWER BEFORE SERVICING.

- ▲ S49, S50 AND S53 ARE PART OF SVD/C CIRCUIT
- ▲ ONLY IN UNITS WITH HUMIDITROL OPTION
- ▲ EXTERNAL HUMIDITROL CONTACTS
- ▲ S5, S8, S31 USED ON UNITS WITH INTERLINK COMPRESSORS ONLY
- NOTE: FOR USE WITH COPPER CONDUCTORS ONLY. REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.

KEY	COMPONENT
A55	PANEL, MAIN
A178	PANEL, COMP 3 & 4 AND 2ND STAGE HEAT - C3
B1	COMPRESSOR 1
B2	COMPRESSOR 2
B3	MOTOR, BLOWER
B4	MOTOR, OUTDOOR FAN 1
B5	MOTOR, OUTDOOR FAN 2
B10	MOTOR, EXHAUST FAN 1
B11	MOTOR, EXHAUST FAN 2
B13	COMPRESSOR 3
B21	MOTOR, OUTDOOR FAN 3
B22	MOTOR, OUTDOOR FAN 4
B23	MOTOR, OUTDOOR FAN 5
B24	MOTOR, OUTDOOR FAN 6
C1	CAPACITOR, OUTDOOR FAN 1
C2	CAPACITOR, OUTDOOR FAN 2
C6	CAPACITOR, EXHAUST FAN 1
C8	CAPACITOR, EXHAUST FAN 2
C18	CAPACITOR, OUTDOOR FAN 3
C19	CAPACITOR, OUTDOOR FAN 4
C20	CAPACITOR, OUTDOOR FAN 5
C21	CAPACITOR, OUTDOOR FAN 6
C88	CIRCUIT, BREAKER T1
CB18	CIRCUIT, BREAKER T18
HR1	HEATER COMPRESSOR 1
HR2	HEATER COMPRESSOR 2
HR5	HEATER COMPRESSOR 3
J139	JACK, EXHAUST FAN 3
K1,1	CONTACTOR, COMPRESSOR 1
K2,1	CONTACTOR, COMPRESSOR 2
K3,1	CONTACTOR, BLOWER
K10,1	RELAY, OUTDOOR FAN 1
K14,1	CONTACTOR, COMPRESSOR 3
K65,1,2	RELAY, EXHAUST FAN
K68,1	RELAY, OUTDOOR FAN 2
K149,1	RELAY, OUTDOOR FAN 3
K150,1	RELAY, OUTDOOR FAN 4
K152,1	RELAY, OUTDOOR FAN 5
K153,1	RELAY, OUTDOOR FAN 6
L14	VALVE, SOLENOID REHEAT COIL 1
L30	VALVE, SOLENOID REHEAT COIL 2
RT17	SENSOR, OUTDOOR AIR
S4	SWITCH, LIMIT HI PRESS COMPRESS 1
S5	SWITCH, LIMIT HI TEMP COMPRESS 1
S7	SWITCH, LIMIT HI TEMP COMPRESS 2
S8	SWITCH, LIMIT HI TEMP COMPRESS 2
S11	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 1
S28	SWITCH, LIMIT HI TEMP COMPRESS 3
S31	SWITCH, LIMIT HI TEMP COMPRESS 3
S42	SWITCH, OVERLOAD RELAY BLOWER MOTOR
S48	SWITCH, DISCONNECT
S49	SWITCH, FREEZE STAT COMPRESS 1
S50	SWITCH, FREEZE STAT COMPRESS 2
S53	SWITCH, FREEZE STAT COMPRESS 3
S84	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 2
S85	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 3
S87	SWITCH, LOW PRESS, COMP 1
S88	SWITCH, LOW PRESS, COMP 2
S98	SWITCH, LOW PRESS, COMP 3
S176	SWITCH, OVERLOAD COMPRESSOR 1
S177	SWITCH, OVERLOAD COMPRESSOR 2
S178	SWITCH, OVERLOAD COMPRESSOR 3
T1	TRANSFORMER, CONTROL
T18	TRANSFORMER, CONTROL
TB13	TERMINAL STRIP, POWER DISTRIBUTION

07/14

WIRING DIAGRAM
537697-01

COOLING - CE

LCH, LGH 210 - M

SECTION B

REV. 0

Supersedes

New Form No. 537697-01

↑ DENOTES OPTIONAL COMPONENTS

→ LINE VOLTAGE FIELD INSTALLED