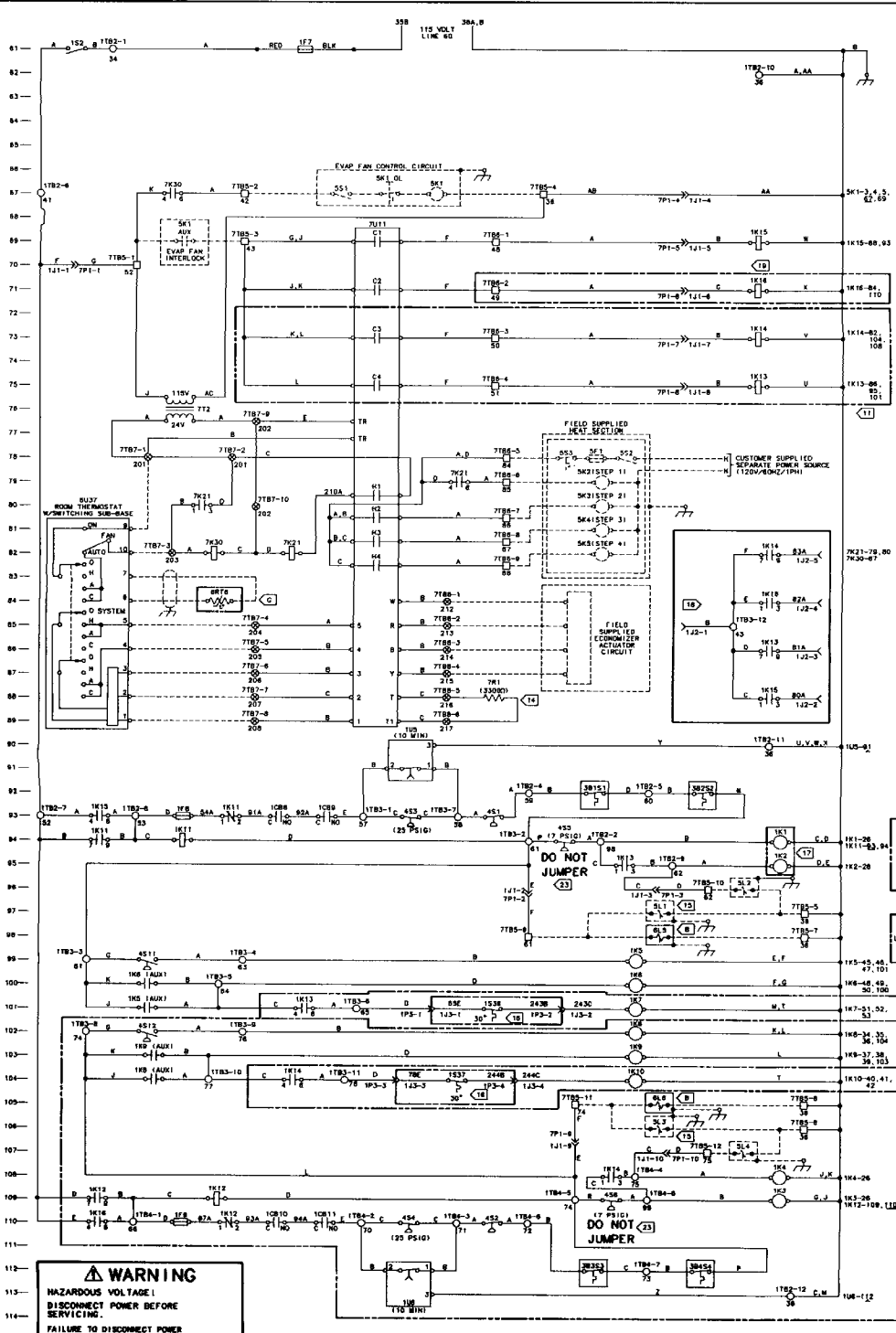




DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1CMB-1CMB11	COMP. CIRCUIT BREAKER	32
1F1 - 1F8	CONDENSER FAN FUSE	40, 24, 38
1F7	CONTROL CIRCUIT FUSE	41
1F8, 1F9	COMP. PROTECTOR FUSE	93, 110
1A1, 1A2, 1A3	JACK CONNECTOR	94, 95
1K1, 1K2	COMPRESSOR CONTACTOR	94, 95
1K3, 1K4	COMPRESSOR CONTACTOR	109, 108
1K5, 1K6, 1K7	CONDENSER FAN CONTACTOR	98, 100, 101
1K8, 1K9, 1K10	CONDENSER FAN CONTACTOR	102, 103, 104
1K11, 1K12	RESET RELAY	94, 109
1K13, 1K14	COOLING RELAY	75, 96, 73
1K15, 1K16	COOLING RELAY	69, 71
1P3	PLUG CONNECTOR	
1S1	MANUAL DISCONNECT SWITCH	11
1S2	CONTROL CIRCUIT SWITCH	81
1S36, 1S37	LOW AMBIENT T-STAT	101, 104
1T1	CONTROL POWER TRANSFORMER	58
1T81	POWER TERMINAL BLOCK	11
1T82 - 1T84	CONTROL TERMINAL BLOCK	
1U5, 1U6	LOW PRESSURE TIMER	90, 113
2B1 - 2B3	CONDENSER FAN MOTOR	46, 49, 52
2B4 - 2B6	CONDENSER FAN MOTOR	35, 38, 41
3B1 - 3B4	COMPRESSOR	50
3B151, 3B152	COMP. WINDING THERMOSTAT	92
3B353, 3B354	COMP. WINDING THERMOSTAT	112
4S1, 4S2	HIGH PRESSURE CUTOFF	93, 110
4S3, 4S4	LOW PRESSURE CUTOFF	95, 110
4S5, 4S6	COMP. PROTECTOR SWITCH	94, 109
4S11, 4S12	FAN PRESSURE CONTROL	99, 102
5B1	EVAPORATOR FAN MOTOR	4
5F1	HEAT CXT. CONTROL FUSE	78
5F1	EVAP. FAN STARTER	47
5K2 - 5K5	HEAT CONTACTOR	79 - 82
5L1, 5L2	LIQUID LINE SOLENOID	97, 98
5L3, 5L4	LIQUID LINE SOLENOID	108, 107
5S1	EVAP. FAN CONTROL SWITCH	87
5S2	HEAT CXT. CONTROL SWITCH	78
5S3	HEAT CXT. LIMIT SWITCH	78
6L5, 6L6	HOT GAS BYPASS SOLENOID	98, 105
6B11	DUCT SENSOR	101
6B16	RETURN AIR SENSOR	84
6B37	ROOM THERMOSTAT	81
7K21	HEAT RELAY	62
7K30	EVAPORATOR FAN RELAY	62
7F1	PLUG CONNECTOR	
7B1	ECON. BIAS RESISTOR	88
7T2	24V CONTROL TRANSFORMER	78
7T85 - 7T88	CONTROL TERMINAL BLOCK	
7U11	MASTER ENERGY CONTROL	89

DEVICE PREFIX	LOCATION CODE
1	CONTROL PANEL
2	FAN SECTION
3	COMPRESSOR
4	EXTERNAL MOUNTED COMPONENTS
5	CUSTOMER OFF FIELD PROVIDED
6	SHIP W/ FIELD INSTALLED DEVICE
7	OPTIONAL CONTROL PLATE

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WARNING
HAZARDOUS VOLTAGE!
DISCONNECT POWER BEFORE
SERVICING.
FAILURE TO DISCONNECT POWER
BEFORE SERVICING CAN CAUSE SEVERE
PERSONAL INJURY OR DEATH.

AVERTISSEMENT
VOLTAGE HASARDEUX!
RECONNECTEZ LA SOURCE ELECTRIQUE
AVANT D'EFFECTUER L'ENTRETIEN.
L'ABSENCE DE RECONNECTER LA SOURCE
ELECTRIQUE AVANT D'EFFECTUER
L'ENTRETIEN DES BRANCHEMENTS COMPOSELLES
PEUT CAUSER DES BLESSURES GRAVES OU LA MORT.

USE COPPER CONDUCTORS ONLY
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT ANY OTHER WIRING

IMPORTANT!
DO NOT ENERGIZE
UNIT UNTIL CHECK-OUT
AND START-UP PROCEDURE
HAS BEEN COMPLETED

- NOTES:
- (1) USED ON 40, 50 AND 80 TON UNITS ONLY.
 - (2) USED ON 25, 30, 35 AND 40 TON UNITS ONLY.
 - (3) USED ON 50 AND 80 TON UNITS ONLY.
 - (4) WHEN DUCT SENSOR (6B11) - LINE 1011 IS REQUIRED, REMOVE RESISTOR (2B1 - LINE 88) AND INSTALL AS SHOWN FOR INSET "D".
 - (5) OPTIONAL FIELD PROVIDED AND INSTALLED LIQUID LINE SOLENOID VALVE (5L1 THRU 5L4) FOR CHARGE ISOLATION.
 - (6) 1S36, 1S37 AND ASSOCIATED WIRING ARE USED WITH LOW AMBIENT OPTION ONLY. ON UNITS WITHOUT LOW AMBIENT OPTION, CONNECT EACH 1J3-2 TO PLUS 1P3-1 AND JACK 1J3-4 TO PLUS 1P3-3.
 - (7) CONNECTIONS AS SHOWN TO COMPRESSOR CONTACTOR 1 & 2 SOLELY FOR 1P3-1 AND 1P3-2 AND FOR ALL 80 TON UNITS EXCEPT 25 TON. SEE INSET "B" FOR 25 TON CONNECTIONS.

- (8) JACK CONNECTIONS (1J2) AS SHOWN ARE USED FOR "NO SYSTEM CONTROLS" OPTION. CONNECTIONS ARE PRESENT, BUT NOT USED FOR ALL OTHER CONTROL OPTIONS.
- (9) COOL-2 CIRCUIT AS SHOWN IS FOR 40 THRU 80 TON UNITS. SEE INSET "C" FOR 20 THRU 30 TON UNIT VARIATION.
- (10) THE FOLLOWING CAPABILITIES ARE OPTIONAL - THEY ARE IMPLEMENTED AND WIRED AS REQUIRED FOR A SPECIFIC APPLICATION:
 - (A) HOT GAS BYPASS VALVE (6L5 & 6L6 - LINE 98 & 105)
 - (B) RETURN AIR SENSOR (6B16 - LINE 84)
 - (C) 4S5 & 4S6 ARE COMPRESSOR PROTECTION ON SWITCHES USED FOR COMPRESSOR PROTECTION WHEN A NO REFRIGERANT FLOW CONDITION EXISTS (4S1 & 4S2). CONTACTOR 1 DO NOT JUMPER ACROSS SWITCH UNDER ANY CIRCUMSTANCE.

3/207-9903

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