



02

03

04

05

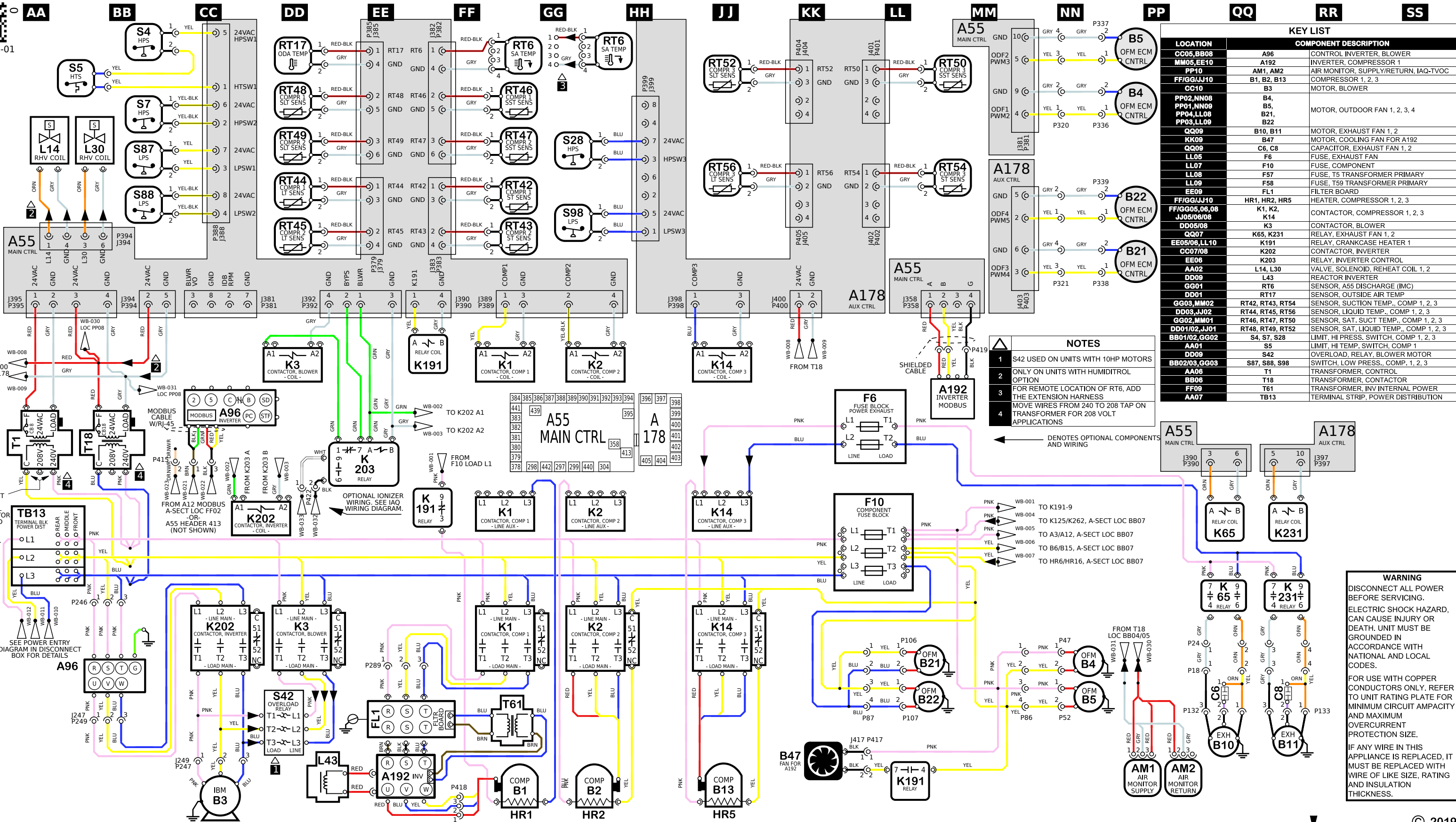
06

07

08

09

10



Model: LCM, LGM 156U, 180U - Y-VOLT
COOLING - MSAV WITH BYPASS - 3 COMPRESSORS, 4 CONDENSER FANS

Voltage: 208-240V/3~/60Hz (Y)
Supersedes: N/A Form No: 538638-01 Rev: 0

WIRING
DIAGRAM
FLOW

HEATING	COOLING	COOLING	ACCS	ACCS
SECTION A	SECTION B	SECTION B3	SECTION C	SECTION D

KEY LIST	
LOCATION	COMPONENT DESCRIPTION
CC05, BB08	A96 CONTROL INVERTER, BLOWER
MM05, EE10	A192 INVERTER, COMPRESSOR 1
PP10	AM1, AM2 AIR MONITOR, SUPPLY/RETURN, IAQ-TVOC
FF/GG/JJ10	B1, B2, B13 COMPRESSOR 1, 2, 3
CC10	B3 MOTOR, BLOWER
PP02, NN08	B4, B5, B21, B22 MOTOR, OUTDOOR FAN 1, 2, 3, 4
QQ09	B10, B11 MOTOR, EXHAUST FAN 1, 2
KK09	B47 MOTOR, COOLING FAN FOR A192
QQ09	C6, C8 CAPACITOR, EXHAUST FAN 1, 2
LL06	F6 FUSE, EXHAUST FAN
LL07	F10 FUSE, COMPONENT
LL08	F57 FUSE, T5 TRANSFORMER PRIMARY
LL09	F58 FUSE, T59 TRANSFORMER PRIMARY
EE09	FL1 FILTER BOARD
FF/GG/JJ10	HR1, HR2, HR5 HEATER, COMPRESSOR 1, 2, 3
FF/GG05, 06, 08	K1, K2, K14 CONTACTOR, COMPRESSOR 1, 2, 3
JJ05/06/08	K3 CONTACTOR, BLOWER
DD05/08	K65, K231 RELAY, EXHAUST FAN 1, 2
QQ07	K191 RELAY, CRANKCASE HEATER 1
EE05/06, LL10	K202 CONTACTOR, INVERTER
CC07/08	K203 RELAY, INVERTER CONTROL
EE08	L14, L30 VALVE, SOLENOID, REHEAT COIL 1, 2
AA02	L43 REACTOR INVERTER
DD09	L43 SENSOR, A55 DISCHARGE (IMC)
GG01	RT6 SENSOR, OUTSIDE AIR TEMP
DD01	RT17 SENSOR, SUCTION TEMP., COMP 1, 2, 3
GG03, MM02	RT42, RT43, RT54 SENSOR, LIQUID TEMP., COMP 1, 2, 3
DD03, JJ02	RT44, RT45, RT56 SENSOR, SAT. SUCT TEMP., COMP 1, 2, 3
GG02, MM01	RT46, RT47, RT50 SENSOR, SAT. LIQUID TEMP., COMP 1, 2, 3
DD01/02, JJ01	RT48, RT49, RT52 LIMIT, HI PRESS. SWITCH, COMP 1, 2, 3
BB01/02, GG02	S4, S7, S28 LIMIT, HI TEMP. SWITCH, COMP 1
AA01	S5 OVERLOAD, RELAY, BLOWER MOTOR
DD09	S42 SWITCH, LOW PRESS., COMP. 1, 2, 3
BB02/03, GG03	S87, S88, S98 TRANSFORMER, CONTROL
AA08	T1 TRANSFORMER, CONTROL
BB06	T18 TRANSFORMER, CONTACTOR
FF09	T61 TRANSFORMER, INV INTERNAL POWER
AA07	TB13 TERMINAL STRIP, POWER DISTRIBUTION

- NOTES
- S42 USED ON UNITS WITH 10HP MOTORS
 - ONLY ON UNITS WITH HUMIDITROL OPTION
 - FOR REMOTE LOCATION OF RT6, ADD THE EXTENSION HARNESS
 - MOVE WIRES FROM 240 TO 208 TAP ON TRANSFORMER FOR 208 VOLT APPLICATIONS

WARNING
DISCONNECT ALL POWER BEFORE SERVICING.
ELECTRIC SHOCK HAZARD, CAN CAUSE INJURY OR DEATH. UNIT MUST BE GROUNDED IN ACCORDANCE WITH NATIONAL AND LOCAL CODES.
FOR USE WITH COPPER CONDUCTORS ONLY. REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.
IF ANY WIRE IN THIS APPLIANCE IS REPLACED, IT MUST BE REPLACED WITH WIRE OF LIKE SIZE, RATING AND INSULATION THICKNESS.

© 2019