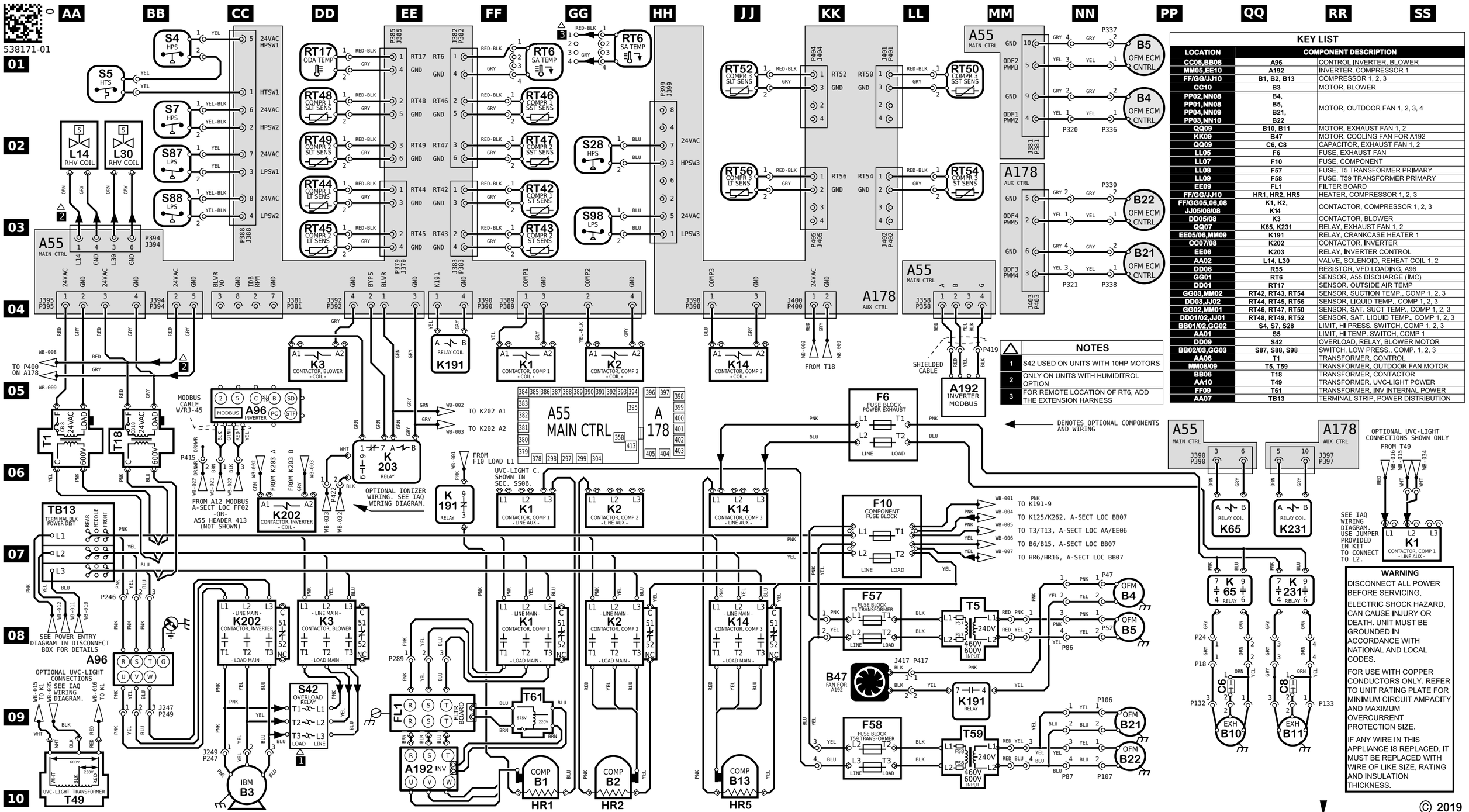
538171-01

AA BB CC DD EE FF GG HH JJ KK LL MM NN PP QQ RR SS

01 02 03 04 05 06 07 08 09 10



KEY LIST

LOCATION	COMPONENT DESCRIPTION	
CC05,BB08	A96	CONTROL INVERTER, BLOWER
MM05,EE10	A192	INVERTER, COMPRESSOR 1
FF/GG/JJ10	B1, B2, B13	COMPRESSOR 1, 2, 3
CC10	B3	MOTOR, BLOWER
PP02,NN08 PP01,NN08 PP04,NN09 PP03,NN10	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
LL05	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 JJ05/06/08	K1, K2, K14	CONTACTOR, COMPRESSOR 1, 2, 3
DD05/08	K3	CONTACTOR, BLOWER
QQ07	K65, K231	RELAY, EXHAUST FAN 1, 2
EE05/06,MM09	K191	RELAY, CRANKCASE HEATER 1
CC07/08	K202	CONTACTOR, INVERTER
EE06	K203	RELAY, INVERTER CONTROL
AA02	L14, L30	VALVE, SOLENOID, REHEAT COIL 1, 2
DD06	R55	RESISTOR, VFD LOADING, A96
GG01	RT6	SENSOR, A55 DISCHARGE (IMC)
DD01	RT17	SENSOR, OUTSIDE AIR TEMP
GG03,MM02	RT42, RT43, RT54	SENSOR, SUCTION TEMP., COMP 1, 2, 3
DD03,JJ02	RT44, RT45, RT56	SENSOR, LIQUID TEMP., COMP 1, 2, 3
GG02,MM01	RT46, RT47, RT50	SENSOR, SAT. SUCT TEMP., COMP 1, 2, 3
DD01/02,JJ01	RT48, RT49, RT52	SENSOR, SAT. LIQUID TEMP., COMP 1, 2, 3
BB01/02,GG02	S4, S7, S28	LIMIT, HI PRESS. SWITCH, COMP 1, 2, 3
AA01	S5	LIMIT, HI TEMP. SWITCH, COMP 1
DD09	S42	OVERLOAD, RELAY, BLOWER MOTOR
BB02/03,GG03	S87, S88, S98	SWITCH, LOW PRESS., COMP. 1, 2, 3
AA06	T1	TRANSFORMER, CONTROL
MM08/09	T5, T59	TRANSFORMER, OUTDOOR FAN MOTOR
BB06	T18	TRANSFORMER, CONTACTOR
AA10	T49	TRANSFORMER, UVC-LIGHT POWER
FF09	T61	TRANSFORMER, INV INTERNAL POWER
AA07	TB13	TERMINAL STRIP, POWER DISTRIBUTION

NOTES

1	S42 USED ON UNITS WITH 10HP MOTORS
2	ONLY ON UNITS WITH HUMIDITROL OPTION
3	FOR REMOTE LOCATION OF RT6, ADD THE EXTENSION HARNESS

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.

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

Voltage: 575/3/60 (J)
Supersedes: N/A Form No: 538171-01 Rev: 0

WIRING DIAGRAM FLOW

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

10x17 CUT SIZE

REV	EC NO.	DATE	BY	APVD	REVISION NOTE
---	CN-009877A	06-07-2021	MXR6	JAL21	ORIGINATED AT PD&R CARROLLTON, TX

538171-01

AA BB CC DD EE FF GG HH JJ KK LL MM NN PP QQ RR SS

01 02 03 04 05 06 07 08 09 10

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DENOTES OPTIONAL COMPONENTS AND WIRING

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