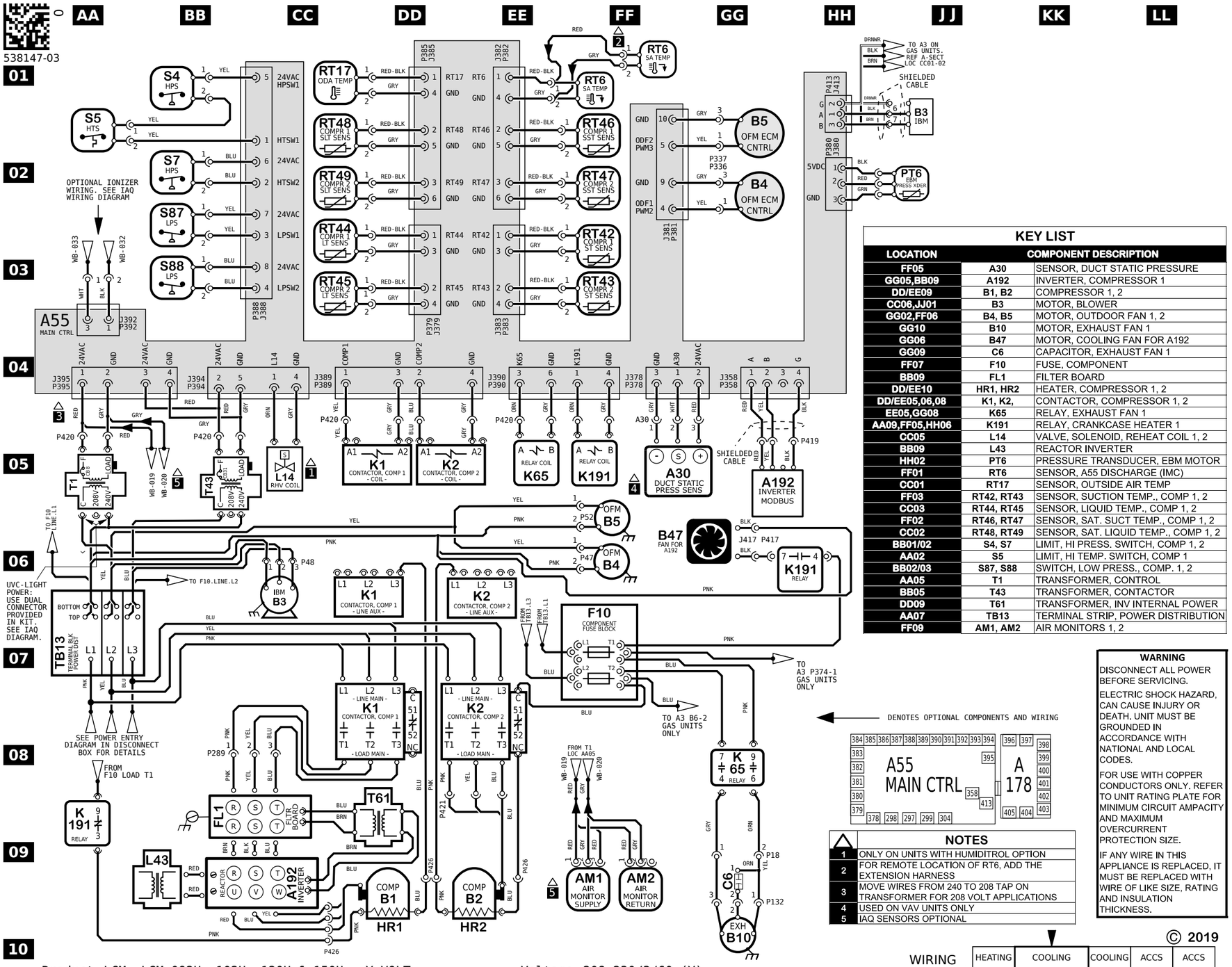
538147-03



KEY LIST

LOCATION	COMPONENT DESCRIPTION	
FF05	A30	SENSOR, DUCT STATIC PRESSURE
GG05,BB09	A192	INVERTER, COMPRESSOR 1
DD/EE09	B1, B2	COMPRESSOR 1, 2
CC06,JJ01	B3	MOTOR, BLOWER
GG02,FF06	B4, B5	MOTOR, OUTDOOR FAN 1, 2
GG10	B10	MOTOR, EXHAUST FAN 1
GG06	B47	MOTOR, COOLING FAN FOR A192
GG09	C6	CAPACITOR, EXHAUST FAN 1
FF07	F10	FUSE, COMPONENT
BB09	FL1	FILTER BOARD
DD/EE10	HR1, HR2	HEATER, COMPRESSOR 1, 2
DD/EE05,06,08	K1, K2,	CONTACTOR, COMPRESSOR 1, 2
EE05,GG08	K65	RELAY, EXHAUST FAN 1
AA09,FF05,HH06	K191	RELAY, CRANKCASE HEATER 1
CC05	L14	VALVE, SOLENOID, REHEAT COIL 1, 2
BB09	L43	REACTOR INVERTER
HH02	PT6	PRESSURE TRANSDUCER, EBM MOTOR
FF01	RT6	SENSOR, A55 DISCHARGE (IMC)
CC01	RT17	SENSOR, OUTSIDE AIR TEMP
FF03	RT42, RT43	SENSOR, SUCTION TEMP., COMP 1, 2
CC03	RT44, RT45	SENSOR, LIQUID TEMP., COMP 1, 2
FF02	RT46, RT47	SENSOR, SAT. SUCT TEMP., COMP 1, 2
CC02	RT48, RT49	SENSOR, SAT. LIQUID TEMP., COMP 1, 2
BB01/02	S4, S7	LIMIT, HI PRESS. SWITCH, COMP 1, 2
AA02	S5	LIMIT, HI TEMP. SWITCH, COMP 1
BB02/03	S87, S88	SWITCH, LOW PRESS., COMP. 1, 2
AA05	T1	TRANSFORMER, CONTROL
BB05	T43	TRANSFORMER, CONTACTOR
DD09	T61	TRANSFORMER, INV INTERNAL POWER
AA07	TB13	TERMINAL STRIP, POWER DISTRIBUTION
FF09	AM1, AM2	AIR MONITORS 1, 2

NOTES

1	ONLY ON UNITS WITH HUMIDITROL OPTION
2	FOR REMOTE LOCATION OF RT6, ADD THE EXTENSION HARNESS
3	MOVE WIRES FROM 240 TO 208 TAP ON TRANSFORMER FOR 208 VOLT APPLICATIONS
4	USED ON VAV UNITS ONLY
5	IAQ SENSORS OPTIONAL

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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WIRING DIAGRAM FLOW

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

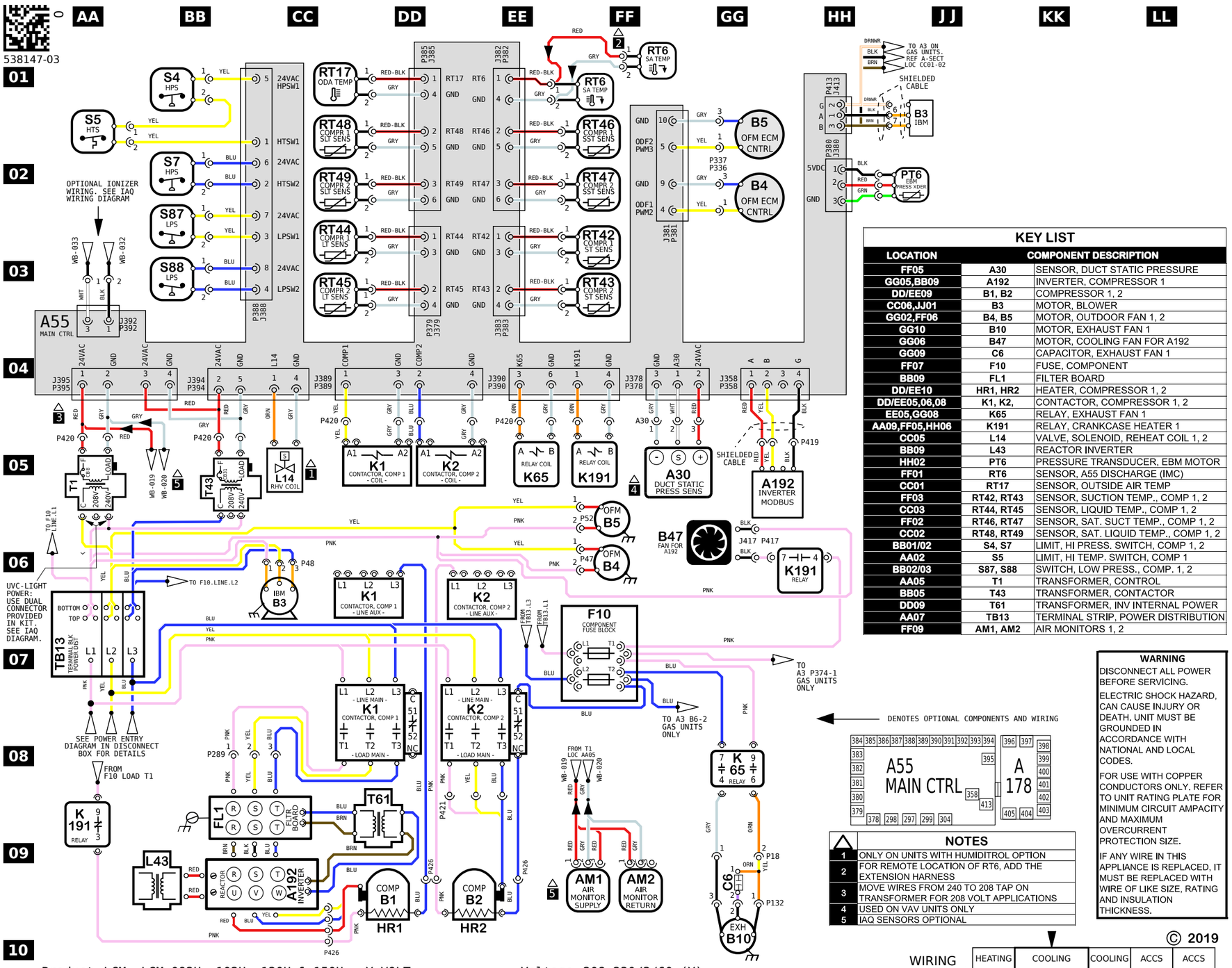
Product: LCM, LGM 092U, 102U, 120U & 150U - Y VOLT
Cooling Diagram with Higher SCCR

Voltage: 208-230/3/60 (Y)
Supersedes: XXXXXX-XX Form No: 538147-03 Rev: 0

10x12 CUT SIZE

REV	EC NO.	DATE	BY	APVD	REVISION NOTE
---	CN-010219G	08/29/2022	RXJ	JDH	ORIGINATED AT PD&R CARROLLTON, TX.

538147-03



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DENOTES OPTIONAL COMPONENTS AND WIRING

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