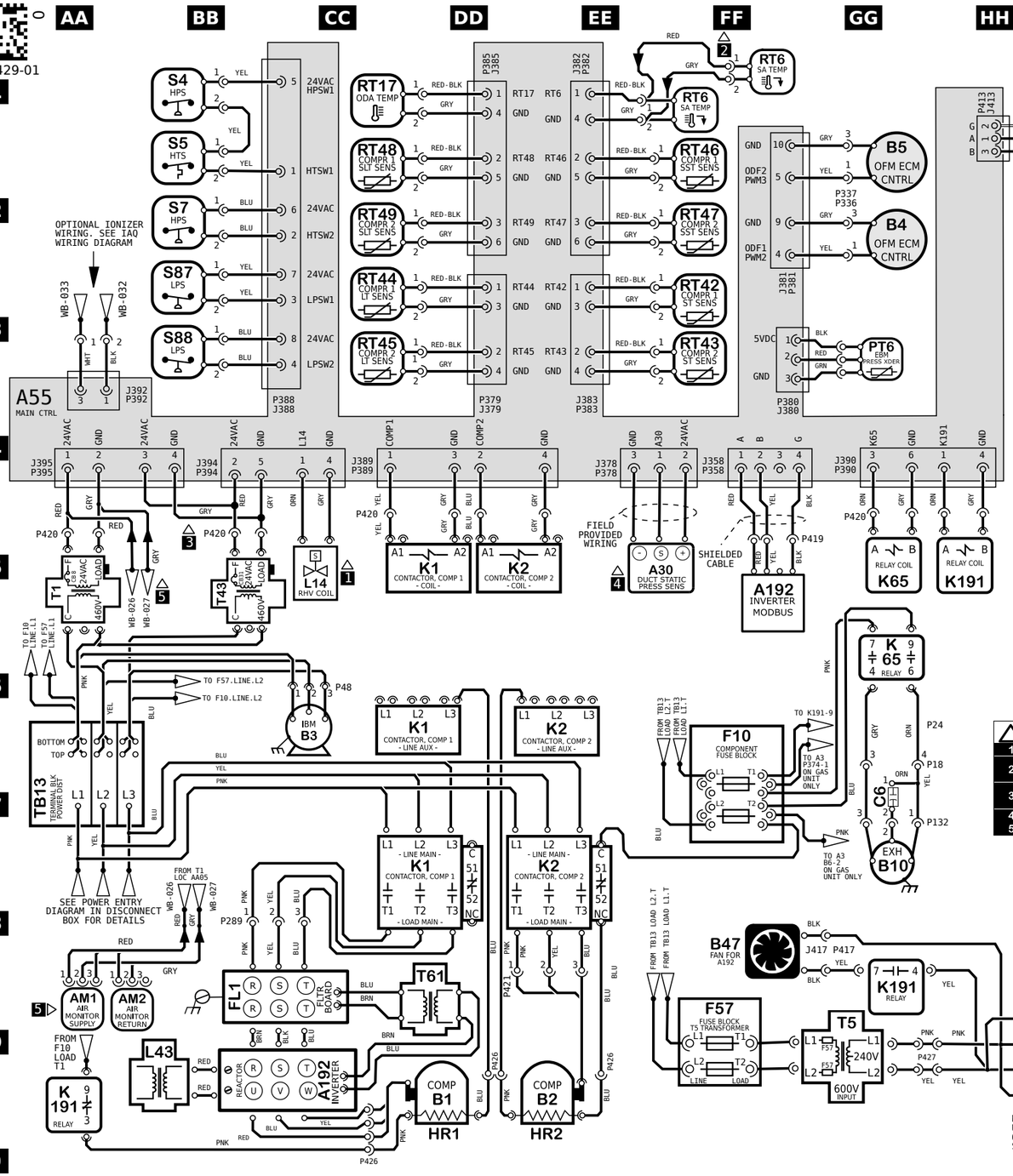
538429-01



KEY LIST

LOCATION		COMPONENT DESCRIPTION
EE/FF05	A30	SENSOR, DUCT STATIC PRESSURE
FF05,BB/CC09	A192	INVERTER, COMPRESSOR 1
DD/EE10	B1, B2	COMPRESSOR 1, 2
CC06,JJ01	B3	MOTOR, BLOWER
GG02,JJ09	B4, B5	MOTOR, OUTDOOR FAN 1, 2
GG07	B10	MOTOR, EXHAUST FAN 1
FF08	B47	MOTOR, COOLING FAN FOR A192
GG07	C6	CAPACITOR, EXHAUST FAN 1
FF07	F10	FUSE, COMPONENT
FF09	F57	FUSE, T5 TRANSFORMER
BB/CC09	FL1	FILTER BOARD
DD/EE10	HR1, HR2	HEATER, COMPRESSOR 1, 2
DD/EE05,06,08	K1, K2,	CONTACTOR, COMPRESSOR 1, 2
GG05,06	K65	RELAY, EXHAUST FAN 1
AA09,GG09,HH05	K191	RELAY, CRANKCASE HEATER 1
CC05	L14	VALVE, SOLENOID, REHEAT COIL 1, 2
BB09	L43	REACTOR INVERTER
GG03	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
BB01	S5	LIMIT, HI TEMP. SWITCH, COMP 1
BB02/03	S87, S88	SWITCH, LOW PRESS., COMP. 1, 2
AA05	T1	TRANSFORMER, CONTROL
GG09	T5	TRANSFORMER, OUTDOOR FAN MOTOR
BB05	T43	TRANSFORMER, CONTACTOR
DD09	T61	TRANSFORMER, INV INTERNAL POWER
AA07	TB13	TERMINAL STRIP, POWER DISTRIBUTION
AA09	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.

NOTE: UVC-LIGHT POWER: USE JUMPERS PROVIDED IN KIT ON SECONDARY RED T5 WIRES. SEE IAQ DIAGRAM

DENOTES OPTIONAL COMPONENTS AND WIRING

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WIRING DIAGRAM FLOW

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

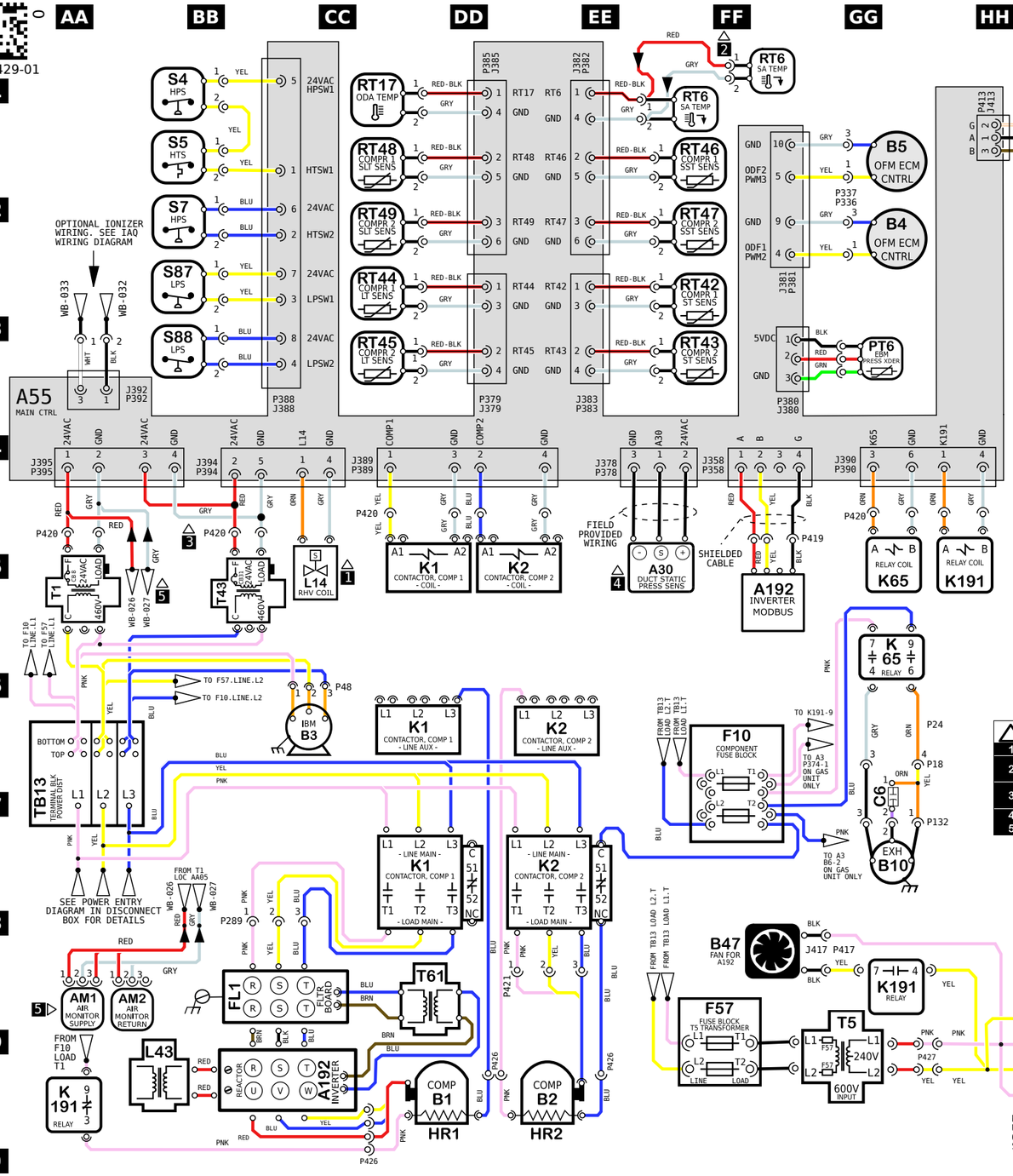
Product: LCM/LGM 092-150 G&J VOLT - EXC LGM120 J
Cooling Diagram with Higher SCCR

Voltage: 460/3/60 (G), 575/3/60 (J)
Supersedes: 538145-02 Form No: 538429-01 Rev: 0

10x12 CUT SIZE

REV	EC NO.	DATE	BY	APVD	REVISION NOTE
---	CN-012439	11-30-2023	FEP	MCF	ORIGINATED AT PD&R CARROLLTON, TX.

538429-01



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