



WARNING - ELECTRIC SHOCK HAZARD, CAN CAUSE INJURY OR DEATH. UNIT MUST BE GROUNDED IN ACCORDANCE WITH NATIONAL AND LOCAL CODES

NOTE - IF ANY WIRE IN THIS APPLIANCE IS REPLACED IT MUST BE REPLACED WITH WIRE OF LIKE SIZE, RATING, TERMINATION AND INSULATION THICKNESS

DISCONNECT ALL POWER BEFORE SERVICING.

NOTE - FOR USE WITH COPPER CONDUCTORS ONLY REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.

- ⚠ P2 J5 USED ON KCA UNITS ONLY
- ⚠ F6 ONLY USED ON Y-VOLT UNITS WITH FIELD INSTALLED POWER EXHAUST
- ⚠ S42 USED ON "M" VOLTAGE UNITS
- ⚠ CONNECT A172 SENSOR TO J261 ON SUPPLY AIR SMOKE DETECTOR ONLY
- ⚠ S48 OR CB10 MAY BE USED
- ⚠ AA42 USED AS A FIELD INSTALLED OPTION

KEY	COMPONENT DESCRIPTION
A171	SENSOR ONE, SMOKE, RETURN AIR
A171	SENSOR ONE, SMOKE, RETURN AIR
A172	SENSOR TWO, SMOKE, SUPPLY AIR
A173	MODULE, CONTROL SMOKE DETECTION
B1	COMPRESSOR 1
B2	COMPRESSOR 2
B3	MOTOR, BLOWER
B4	MOTOR, OUTDOOR FAN 1
B5	MOTOR, OUTDOOR FAN 2
B10	MOTOR, EXHAUST FAN 1
B11	MOTOR, EXHAUST FAN 2
B21	MOTOR, OUTDOOR FAN 3
C1	CAPACITOR, OUTDOOR FAN 1
C2	CAPACITOR, OUTDOOR FAN 2
C6	CAPACITOR, EXHAUST FAN 1
C8	CAPACITOR, EXHAUST FAN 2
C18	CAPACITOR, OUTDOOR FAN 3
CB8	CIRCUIT BREAKER T1
CB10	CIRCUIT BREAKER MAIN DISCONNECT
DL46	DELAY OVERFLOW SWITCH
HR1	HEATER COMPRESSOR 1
HR2	HEATER COMPRESSOR 2
J11	GFI, RECEPTACLE JACK
K1-1	CONTACTOR, COMPRESSOR 1
K2-1	CONTACTOR, COMPRESSOR 2
K3-1	CONTACTOR, BLOWER
K10-1,2	RELAY, OUTDOOR FAN
K66-1,2	RELAY, EXHAUST FAN 1
K66-1	RELAY, STAGE COOL 1
K67-1	RELAY, STAGE COOL 2
K68-2	RELAY, OUTDOOR FAN 2
K220-1	RELAY, OVERFLOW SWITCH
S4	SWITCH, LIMIT HI PRESS COMP 1 (MANUAL RESET)
S7	SWITCH, LIMIT HI PRESS COMP 2
S11	SWITCH, LOW PRESS, LOW AMBIENT KIT
S42	SWITCH, OVERLOAD RELAY BLOWER MOTOR
S48	SWITCH, DISCONNECT
S49	SWITCH, FREEZE/STAT COMP 1
S50	SWITCH, FREEZE/STAT COMP 2
S84	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 2
S149	SWITCH, OVERFLOW
T1	TRANSFORMER, CONTROL
TB13	TERMINAL STRIP, POWER DISTRIBUTION

J/P	JACK/PLUG DESCRIPTION
2	HEAT
18	EXHAUST FAN COMP1
24	EXHAUST FAN
35	TEST
36	TEST COOL
47	OUTDOOR FAN 1
52	OUTDOOR FAN 2
86	SENSE BLOWER
106	OUTDOOR FAN 3
132	BLOWER, EXHAUST FAN MOTOR 1
133	BLOWER, EXHAUST FAN MOTOR 2
250	SMOKE DETECTOR ONE
251	SMOKE DETECTOR TWO
252	SMOKE DETECTOR TWO
253	SMOKE DETECTOR TWO
261	MODULE, CONTROL SMOKE DETECTION
261	SMOKE DETECTOR JUMPER
324	VFD OPTION CONNECTION
325	K3 BLOWER CONTROL
326	PHASE MONITOR/ VFD CONTROL ADD ON
327	PHASE MONITOR/ VFD CONTROL ADD ON

↑ DENOTES OPTIONAL COMPONENTS
 — LINE VOLTAGE FIELD INSTALLED

10/14

WIRING DIAGRAM
 537602-01

COOLING

KCA/KGA - 1805 - G,J,M,Y

Supersedes	SECTION B	REV 2
537082-03	New Form No.	537602-01