



- ⚠ NOTE - FOR USE WITH COPPER CONDUCTORS ONLY REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.
- ⚠ P2 IS USED ON KCA UNITS ONLY
- ⚠ F6 ONLY USED ON Y-KOIT 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
- ⚠ A42 USED AS A FIELD INSTALLED OPTION

KEY	COMPONENT DESCRIPTION
A42	MONITOR, PHASE DETECTION
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
C88	CIRCUIT BREAKER T1
CB10	CIRCUIT BREAKER MAIN DISCONNECT
DL46	DELAY OVERFLOW SWITCH
F6	FUSE, EXHAUST FANS
HR1	HEATER COMPRESSOR 1
HR2	HEATER COMPRESSOR 2
I11	GFI, RECEPTACLE JACK
K1-1	CONTACTOR, COMPRESSOR 1
K2-1	CONTACTOR, COMPRESSOR 2
K3-1	CONTACTOR, BLOWER
K10-1,2	RELAY, OUTDOOR FAN
K65-1,2	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 (MANUAL RESET)
S11	SWITCH, LOW PRESS, LOW AMBIENT KIT
S42	SWITCH, OVERLOAD RELAY BLOWER MOTOR
S48	SWITCH, DISCONNECT
S49	SWITCH, FREEZE/STAT COMP 1
S60	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
E2	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
255	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

01/13

537602-01

WIRING DIAGRAM

COOLING

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

SECTION B

Supersedes 537082-03

New Form No. 537602-01

REV 0

⚡ DENOTES OPTIONAL COMPONENTS
 — LINE VOLTAGE FIELD INSTALLED