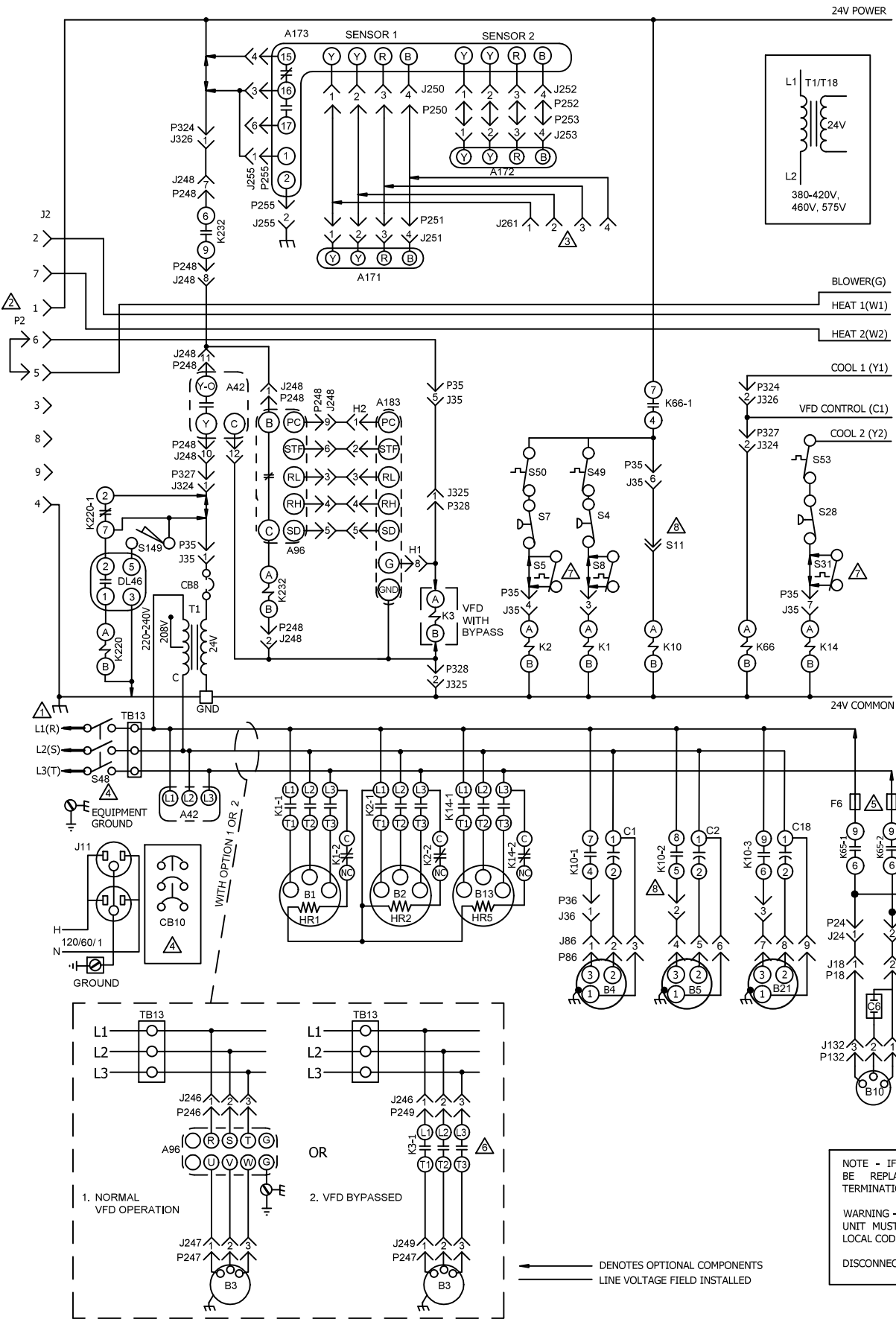




J/P	JACK/PLUG DESCRIPTION
2	HEAT
18	EXHAUST FAN COMPT
24	EXHAUST FAN
35	RUN TEST
36	RUN TEST OUTDOOR FANS
86	OUTDOOR FANS 1,2,3
132	EXHAUST FAN MOTOR 1
133	EXHAUST FAN MOTOR 2
246	POWER TO VFD
247	POWER VFD TO MOTOR
248	VFD CONTROL
249	K3 CONTACTOR, INVERTER BYPASS
250	SMOKE DETECTOR ONE
251	SMOKE DETECTOR ONE
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
328	VFD BLOWER CONTROL

- 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
- CONNECT A172 SENSOR TO J261 ON SUPPLY AIR SMOKE DETECTOR ONLY
- S48 OR CB10 MAY BE USED
- F6 ONLY USED ON "Y" VOLTAGE UNITS WITH FIELD INSTALLED POWER EXHAUST
- TO BYPASS A96 VFD: DISCONNECT ALL POWER UNPLUG - J246 FROM P246; AND UNPLUG J247 FROM P247, PLUG - P249 INTO J246; AND PLUG J249 INTO P247, UNPLUG - J326 FROM P324; AND UNPLUG J324 FROM P327, PLUG - P324 INTO J324
*BYPASS OPTION NOT AVAILABLE FOR 50HZ UNITS
- S5, S8, S31 USED ON 156H, 180S UNITS ONLY
- REFERENCE LOW AMBIENT KIT INSTRUCTIONS FOR WIRING DIAGRAM WHEN KIT IS INSTALLED

KEY	COMPONENT
A42	MONITOR, PHASE PROTECTION
A96	CONTROL, INVERTER
A171	SENSOR ONE, SMOKE, RETURN AIR
A172	SENSOR TWO, SMOKE, SUPPLY AIR
A173	MODULE, CONTROL SMOKE DETECTION
A183	CONTROL, VFD BOARD
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
B13	COMPRESSOR 3
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
F6	FUSE, EXHAUST FANS
H2	HEADER 2, A183 - LVC2 BOARD
HR1	HEATER, COMPRESSOR 1
HR2	HEATER, COMPRESSOR 2
HR5	HEATER, COMPRESSOR 3
J11	JACK, GFI, RECEPTACLE
K1,-1,2	CONTACTOR, COMPRESSOR 1
K2,-1,2	CONTACTOR, COMPRESSOR 2
K3,-1	CONTACTOR, BLOWER
K10,-1,2,3	RELAY, OUTDOOR FAN
K14,-1,2	CONTACTOR, COMPRESSOR 3
K65,-1,2	RELAY, EXHAUST FAN 1
K66,-1	RELAY, STAGE COOL 1
K220,-1	RELAY, OVERFLOW SWITCH
K232	RELAY, INVERTER PROTECTION
S4	SWITCH, LIMIT HI PRESS COMP 1
S5	SWITCH, HIGH TEMP LIMIT COMP 1
S7	SWITCH, LIMIT HI PRESS COMP 2
S8	SWITCH, HIGH TEMP LIMIT COMP 2
S11	LOW AMBIENT KIT CONNECTION
S28	SWITCH, LIMIT HI PRESS COMP 3
S31	SWITCH, HIGH TEMP LIMIT COMP 3
S48	SWITCH, DISCONNECT
S49	SWITCH, FREEZESTAT COMP 1
S50	SWITCH, FREEZESTAT COMP 2
S53	SWITCH, FREEZESTAT COMP 3
S149	SWITCH, OVERFLOW
T1	TRANSFORMER, CONTROL
TB13	TERMINAL BLOCK, POWER DISTRIBUTION

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

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

DISCONNECT ALL POWER BEFORE SERVICING.

2018/07



18/07

WIRING DIAGRAM

537605-04

COOLING - MSAV

KC/KG - 156H - G,J,Y - VFD
KCB/KGB - 180S, 210S - G,J,Y,M - VFD

SECTION B

REV. 0

Supersedes

537605-03

Form No.

537605-04