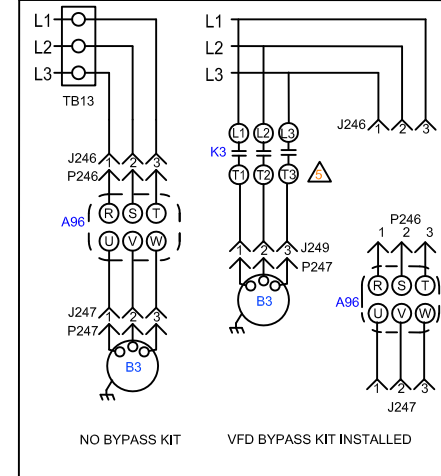
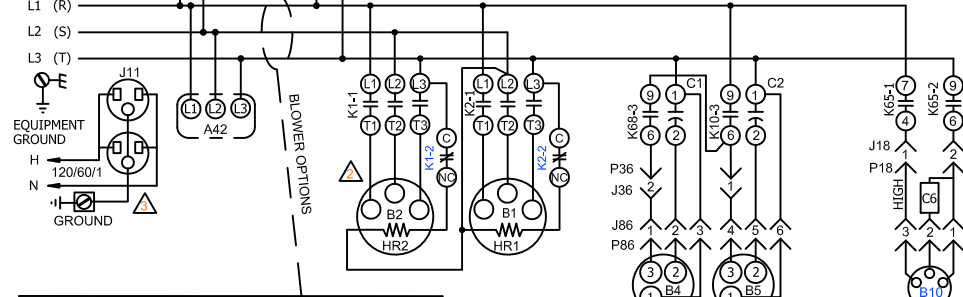
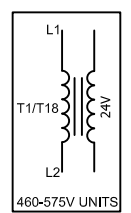


J/P	JACK/PLUG DESCRIPTION
2	HEAT
18	EXHAUST FAN COMPT
35	TEST HEAT
36	TEST COOL
45	INPUT
47	OUTDOOR FAN 1
52	OUTDOOR FAN 2
86	OUTDOOR FANS 1
132	EXHAUST FAN MOTOR 1
246	POWER TO VFD
247	POWER VFD TO MOTOR
248	VFD CONTROL
249	CONTACTOR BYPASS
250	SMOKE DETECTOR ONE
251	SMOKE DETECTOR ONE
252	SMOKE DETECTOR TWO
253	SMOKE DETECTOR TWO
255	MODULE CONTROL SMOKE DETECT
261	SMOKE DETECTOR JUMPER
306	S89 THERMOSTAT
326	VFD CONTROL ADD-ON
329	HI VOLTAGE VFD

KEY	COMPONENT	KEY	COMPONENT
A42	MONITOR, PHASE PROTECTION	K10	RELAY, OUTDOOR FAN 1
A96	CONTROL INVERTER	K58	RELAY, LOW AMBIENT KIT
A171	SENSOR ONE, SMOKE, RETURN AIR	K65	RELAY, EXHAUST FAN
A172	SENSOR TWO, SMOKE, SUPPLY AIR	K68	RELAY, OUTDOOR FAN 2
A173	CONTROL, SMOKE DETECTION	K132	RELAY, COMPRESSOR 1 ON
A183	CONTROL, VFD BOARD	K133	RELAY, COMPRESSOR 2 ON
B1	COMPRESSOR 1	K220	RELAY, OVERFLOW SWITCH
B2	COMPRESSOR 2	K232	RELAY, INVERTER PROTECTION
B3	MOTOR, BLOWER	K264	RELAY, RL-RM TRANSFER
B4	MOTOR, OUTDOOR FAN 1	K266	RELAY, L34 ISOLATION
B5	MOTOR, OUTDOOR FAN 2	L1	VALVE, REVERSING 1
B10	MOTOR, EXHAUST FAN	L2	VALVE, REVERSING 2
C1	CAPACITOR, OUTDOOR FAN 1	L34	SOLENOID, 2-SPEED COMPRESSOR
C2	CAPACITOR, OUTDOOR FAN 2	S4	SWITCH, LIMIT HI PRESS (MANUAL RESET)
C6	CAPACITOR, EXHAUST FAN	S6	SWITCH, DEFROST COMPRESSOR 1
C18	CAPACITOR, OUTDOOR FAN 3	S7	SWITCH, LIMIT HI PRESS COMP 2
C88	CIRCUIT, BREAKER	S8	SWITCH, DEFROST COMPRESSOR 2
CB18	CIRCUIT, BREAKER	S11	SWITCH, LOW PRESS, LOW AMBIENT KIT
CMC1	TIMER, DEFROST, COMPRESSOR 1	S42	SWITCH, OVERLOAD RELAY BLOWER MOTOR
DL46	DELAY, OVERFLOW SWITCH	S46	SWITCH, DEFROST TERMINATION
H2	HEADER 2, VFD CONTROL	S49	SWITCH, FREEZESTAT
HR1	HEATER COMPRESSOR 1	S50	SWITCH, FREEZESTAT 2
HR2	HEATER COMPRESSOR 2	S84	SWITCH, LO PRESS, LO AMB COMP 2
J11	JACK, GFI RECEPTACLE	S89	SWITCH, THERMOSTAT DISCHARGE TEMP
K1-1-2	CONTACTOR, COMPRESSOR 1	S104	SWITCH, DEFROST TERMINATION 2
K2-1-2	CONTACTOR, COMPRESSOR 2	S149	SWITCH, OVERFLOW
K3	CONTACTOR, BLOWER	T1	TRANSFORMER, CONTROL
K8	RELAY, TRANSFER 1	T18	TRANSFORMER, CONTACTOR



- ⚠ NOTE - FOR USE WITH COPPER CONDUCTORS ONLY REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.
- ⚠ IMPORTANT: TO PREVENT MOTOR BURNOUT, NEVER CONNECT MORE THAN ONE MOTOR LEAD TO ANY ONE CONNECTION. TAPE UNUSED MOTOR LEADS
- ⚠ 120V FIELD PROVIDED POWER IS REQUIRED CONNECT A172 SENSOR TO J261 ON SUPPLY AIR SMOKE DETECTOR ONLY
- ⚠ K3 REPLACES TB13 WHEN A96 VFD BYPASS OPTION IS INSTALLED
- ⚠ TO BYPASS A96 VFD: DISCONNECT POWER SUPPLY UNPLUG P249 FROM J329; PLUG P249 INTO J249 UNPLUG P246 FROM J246; UNPLUG P247 FROM J247; PLUG P247 INTO J246 UNPLUG P328 FROM J325; PLUG P325 INTO J325 UNPLUG P326 FROM J35; PLUG P35 INTO J35
- ⚠ FOR EXTERNAL 24V SUPPLY SEE SECTION F4 DIAGRAM
- ⚠ VFD TERMINALS FOR MITSUBISHI / DELTA DRIVES



2024/03

WIRING DIAGRAM

538302-03

COOLING

KHC - 092,102,120 - G,J,Y - VFD UNITS

SECTION B

03/24

Supersedes  
**538302-02**

New Form No.  
**538302-03**