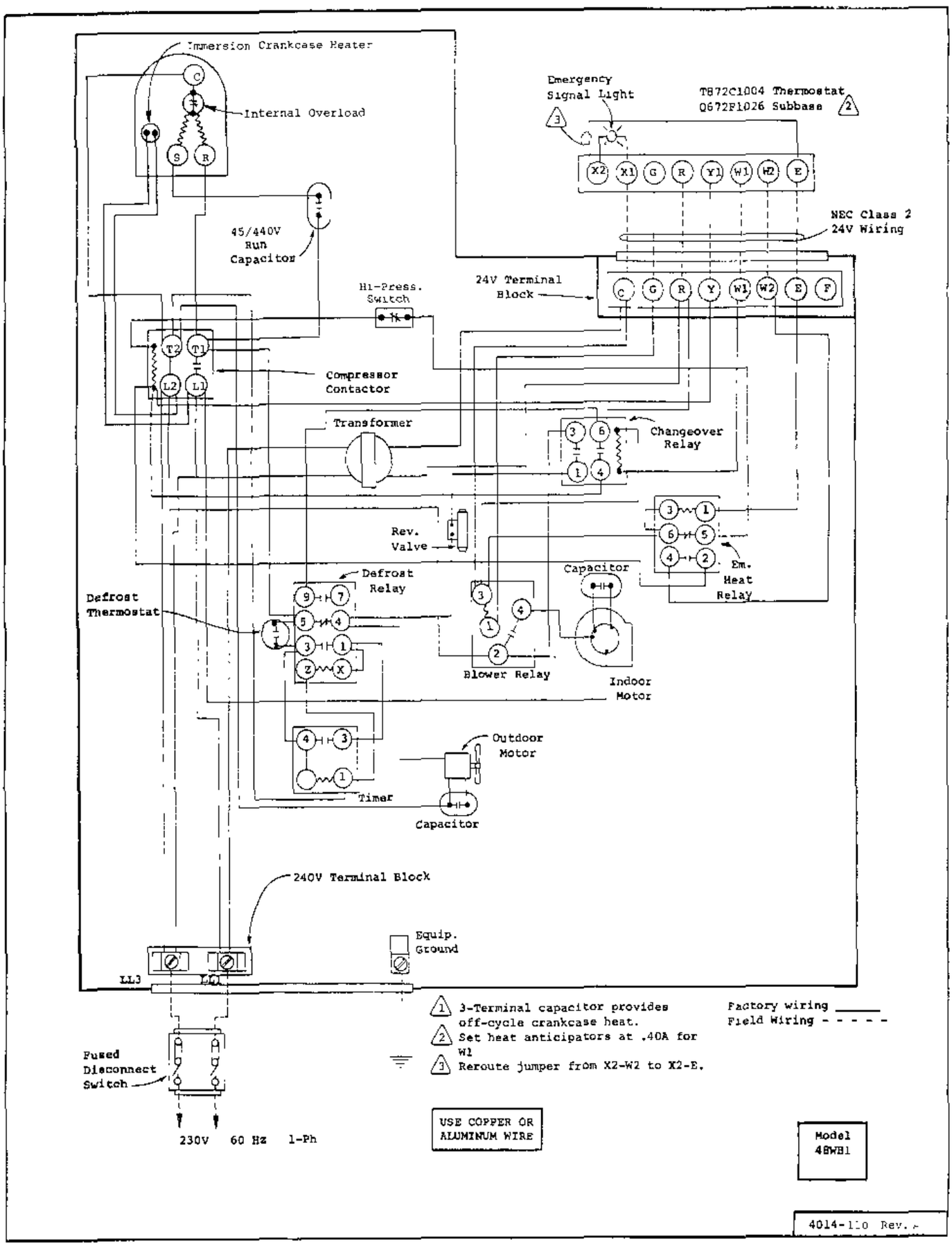
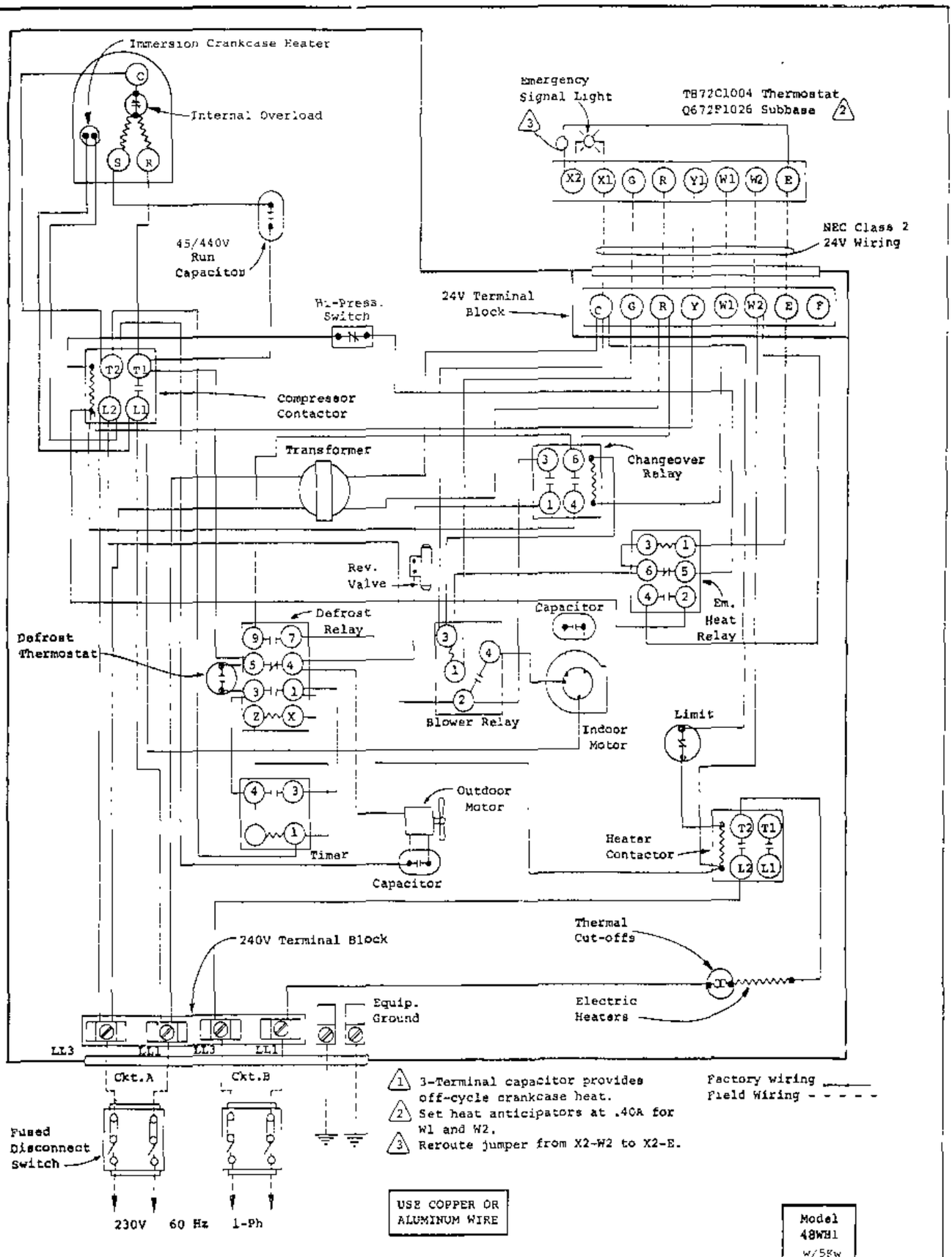
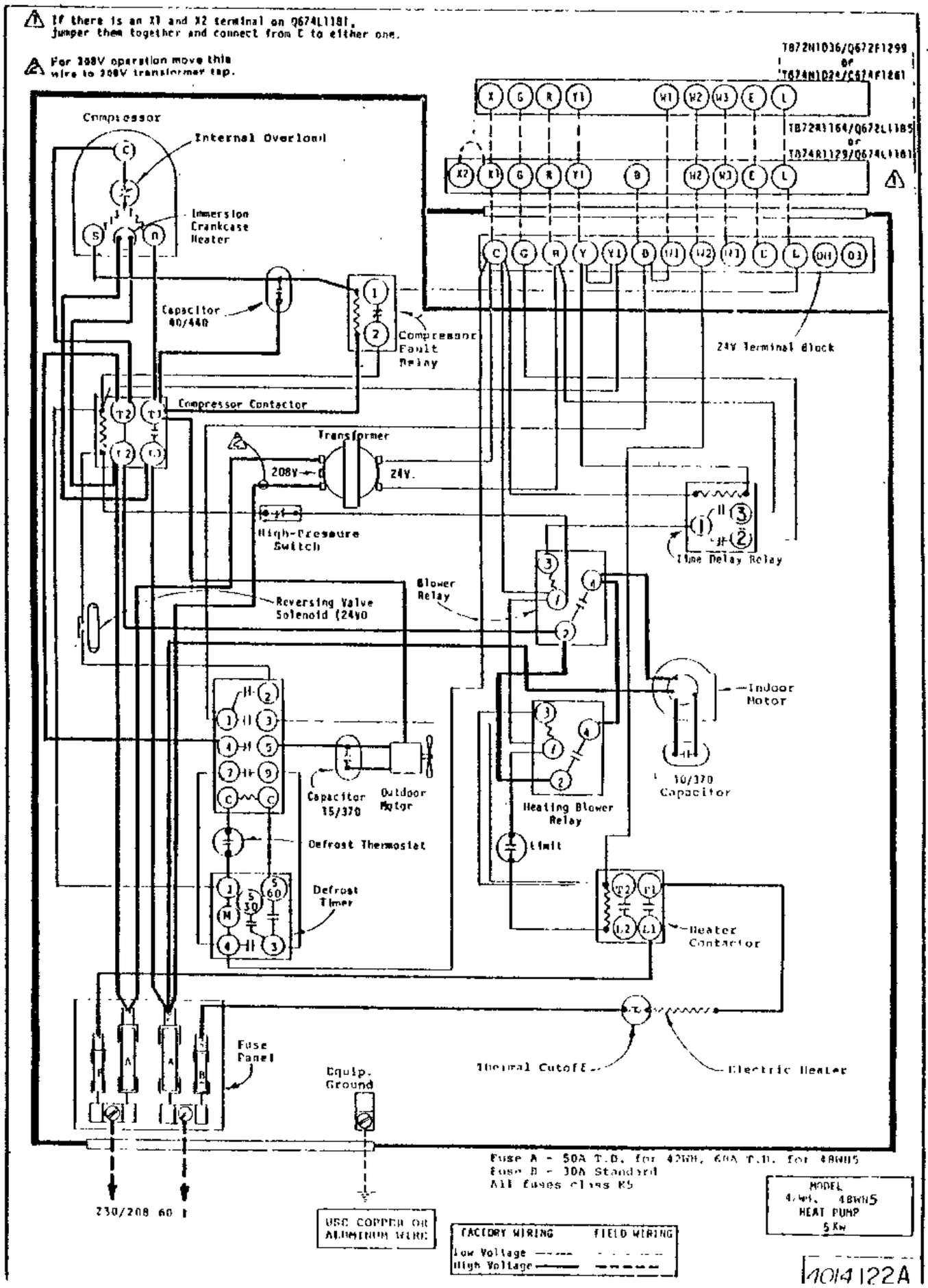
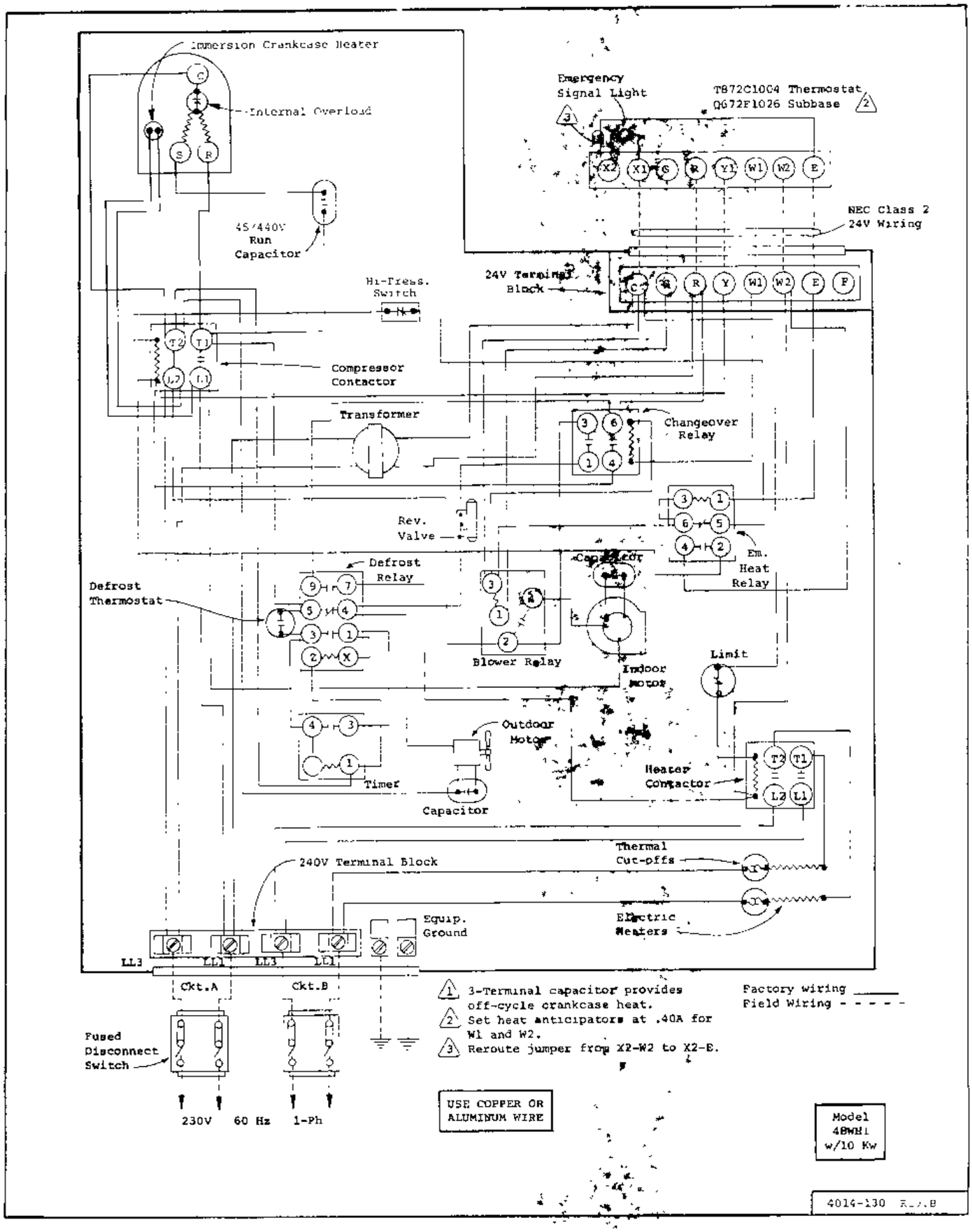
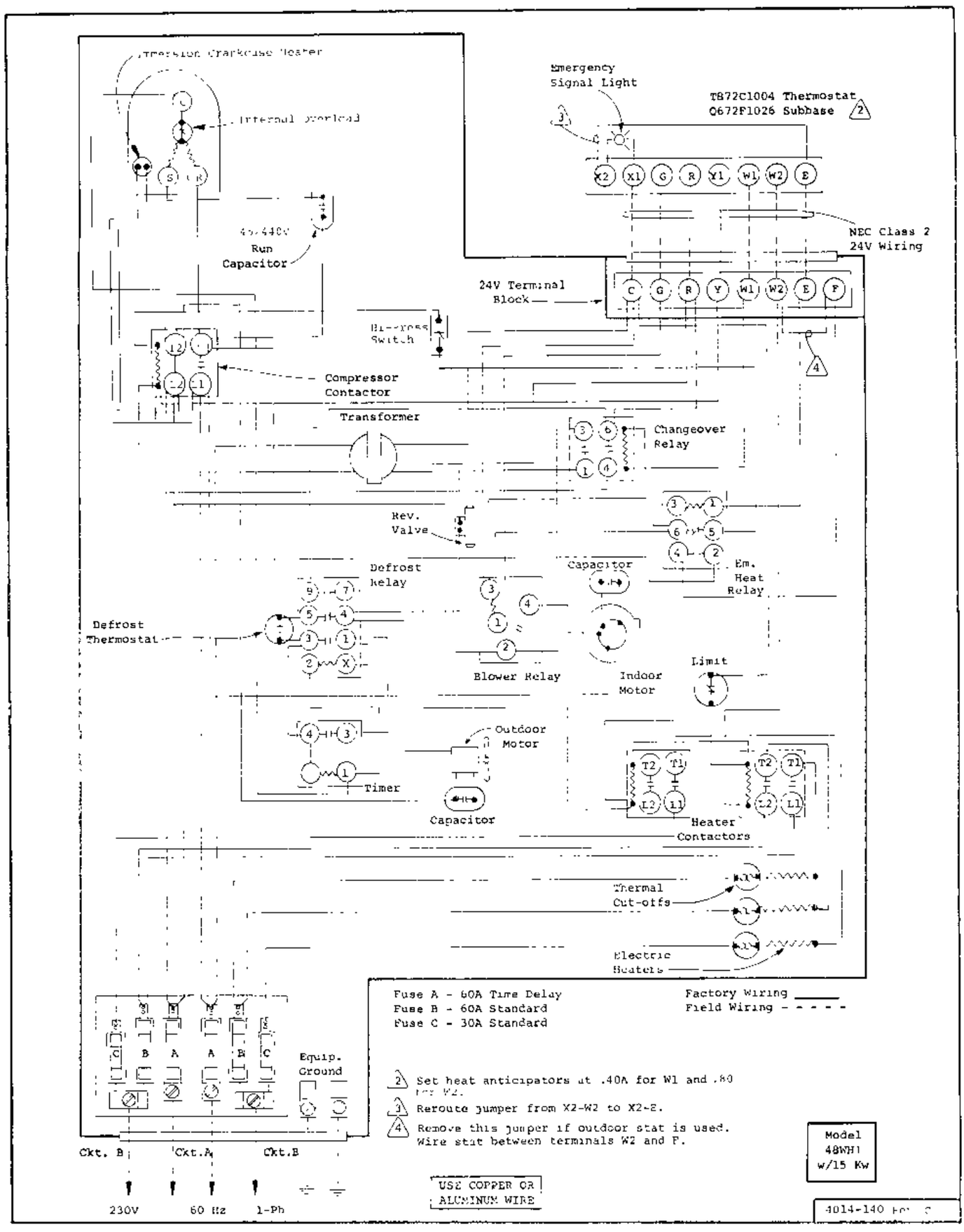
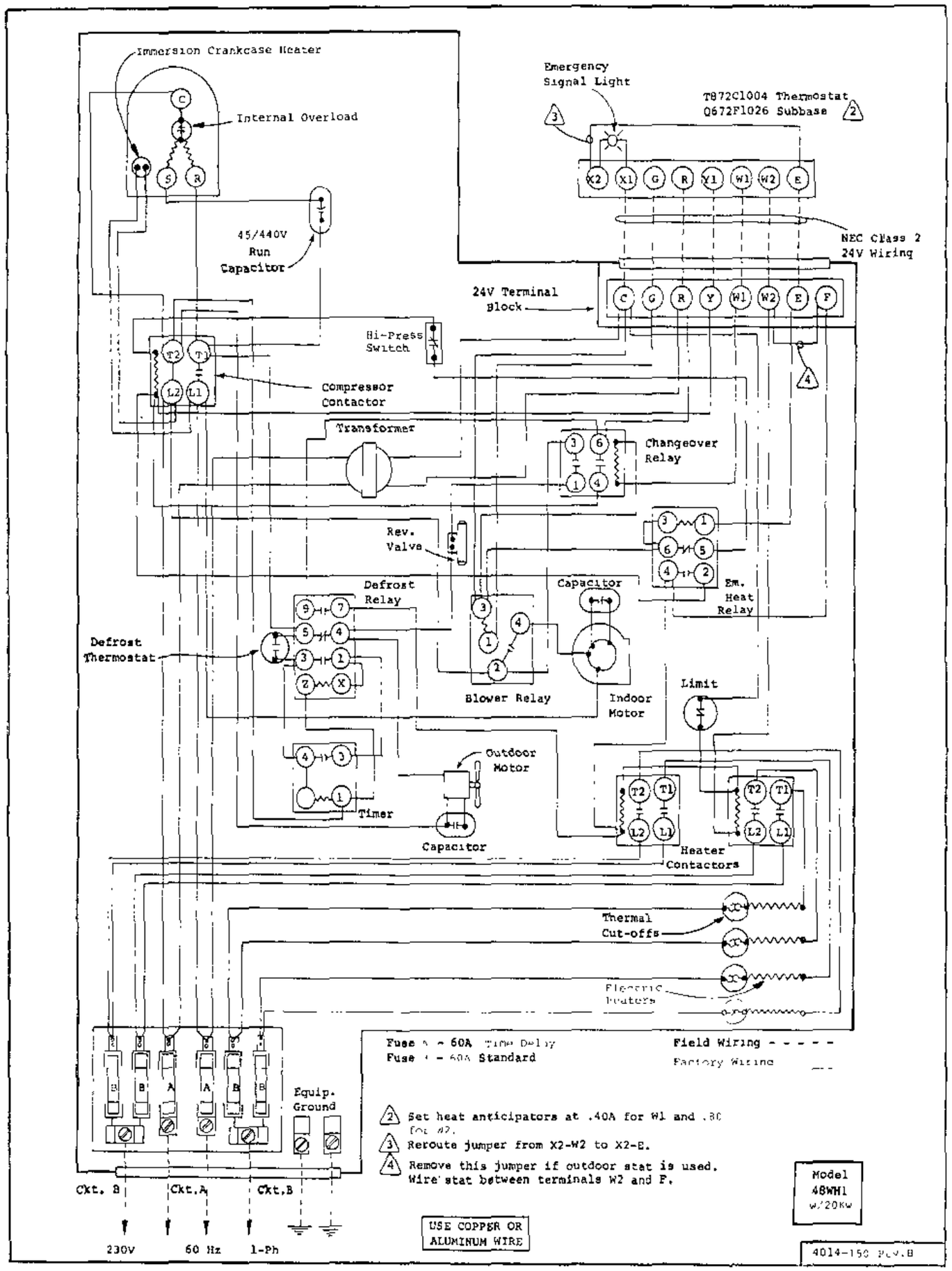

Immersion Crankcase Heater
Internal Overload
45/440V Run Capacitor
Hi-Press. Switch
Compressor Contactor
Transformer
Rev. Valve
Defrost Relay
Defrost Thermostat
Blower Relay
Capacitor
Indoor Motor
Outdoor Motor
Timer
Capacitor
240V Terminal Block
Equip. Ground
LL3
LO
Fused Disconnect Switch
230V 60 Hz 1-Ph
Emergency Signal Light
T872C1004 Thermostat
Q672F1026 Subbase
NEC Class 2 24V Wiring
24V Terminal Block
Changeover Relay
Em. Heat Relay
1 3-Terminal capacitor provides off-cycle crankcase heat.
2 Set heat anticipators at .40A for W1
3 Reroute jumper from X2-W2 to X2-E.
Factory wiring
Field Wiring
USE COPPER OR ALUMINUM WIRE
Model 48WB1
4014-110 Rev.


Immersion Crankcase Heater
Internal Overload
C
H
S
R
45/440V
Run
Capacitor
Emergency
Signal Light
3
TB72C1004 Thermostat
Q672P1026 Subbase
2
X2
X1
G
R
Y1
W1
W2
E
NEC Class 2
24V Wiring
Hi-Press.
Switch
24V Terminal
Block
C
G
R
Y
W1
W2
E
F
T2
T1
L2
L1
Compressor
Contactor
Transformer
3
6
1
4
Changeover
Relay
Rev.
Valve
Em.
Heat
Relay
Defrost
Relay
Capacitor
Defrost
Thermostat
9
7
5
4
3
1
2
X
Blower Relay
Indoor
Motor
Limit
Outdoor
Motor
Timer
Capacitor
Heater
Contactor
240V Terminal Block
Thermal
Cut-offs
Equip.
Ground
Electric
Heaters
LL3
LL1
LL3
LL1
Ckt.A
Ckt.B
Fused
Disconnect
Switch
230V 60 Hz 1-Ph
1 3-Terminal capacitor provides off-cycle crankcase heat.
2 Set heat anticipators at .40A for W1 and W2.
3 Reroute jumper from X2-W2 to X2-E.
Factory wiring
Field Wiring
USE COPPER OR
ALUMINUM WIRE
Model
48WH1
w/5Kw
4014-120 Rev.B


If there is an X1 and X2 terminal on Q674L1181, jumper them together and connect from C to either one.
For 208V operation move this wire to 208V transformer tap.
T872N1036/Q672F1299 or T674N1024/Q674F1261
TB72R1164/Q672L1185 or TB74R1129/Q674L1181
Compressor
Internal Overload
Immersion Crankcase Heater
Capacitor 40/440
Compressor Fault Relay
Compressor Contactor
Transformer
208V
24V.
High-Pressure Switch
24V Terminal Block
Time Delay Relay
Blower Relay
Reversing Valve Solenoid (24V0
Indoor Motor
10/370 Capacitor
Capacitor 15/370
Outdoor Motor
Heating Blower Relay
Limit
Defrost Thermostat
Defrost Timer
Heater Contactor
Fuse Panel
Equip. Ground
Thermal Cutoff
Electric Heater
230/208 60 1
USE COPPER OR ALUMINUM WIRE
Fuse A - 50A T.D. for 42WH, 60A T.D. for 48WH5
Fuse B - 30A Standard
All fuses class RK5
MODEL 42WH5, 48WH5 HEAT PUMP 5 KW
FACTORY WIRING
FIELD WIRING
Low Voltage
High Voltage
4014122A


Immersion Crankcase Heater
Internal Overload
45/440V Run Capacitor
Hi-Press. Switch
Compressor Contactor
Transformer
Rev. Valve
Defrost Relay
Defrost Thermostat
Timer
Outdoor Motor
Capacitor
Blower Relay
Capacitor
Indoor Motor
Changeover Relay
Em. Heat Relay
Limit
Heater Contactor
Thermal Cut-offs
Electric Heaters
240V Terminal Block
Equip. Ground
LL3
LL1
LL3
LL1
Ckt.A
Ckt.B
Fused Disconnect Switch
230V 60 Hz 1-Ph
Emergency Signal Light
T872C1004 Thermostat
Q672F1026 Subbase
NEC Class 2 24V Wiring
24V Terminal Block
C R R Y W1 W2 E F
Y2 X1 G R Y1 W1 W2 E
1 3-Terminal capacitor provides off-cycle crankcase heat.
2 Set heat anticipators at .40A for W1 and W2.
3 Reroute jumper from X2-W2 to X2-E.
Factory wiring
Field Wiring
USE COPPER OR ALUMINUM WIRE
Model 4BWH1 w/10 Kw
4014-130 R-/.8


Immersion Crankcase Heater
Internal Overload
Emergency Signal Light
T872C1004 Thermostat
Q672F1026 Subbase
2
X2 X1 G R Y1 W1 W2 E
NEC Class 2 24V Wiring
45-440V Run Capacitor
24V Terminal Block
C G R Y W1 W2 E F
Bi-metal Switch
Compressor Contactor
Transformer
Changeover Relay
Rev. Valve
Defrost Relay
Capacitor
Em. Heat Relay
Defrost Thermostat
Blower Relay
Indoor Motor
Limit
Outdoor Motor
Timer
Capacitor
Heater Contactors
Thermal Cut-offs
Electric Heaters
Fuse A - 60A Time Delay
Fuse B - 60A Standard
Fuse C - 30A Standard
Factory Wiring
Field Wiring
C B A A B C
Equip. Ground
2 Set heat anticipators at .40A for W1 and .80 for W2.
3 Reroute jumper from X2-W2 to X2-E.
4 Remove this jumper if outdoor stat is used. Wire stat between terminals W2 and F.
Model 48WH1 w/15 Kw
Ckt. B
Ckt.A
Ckt.B
USE COPPER OR ALUMINUM WIRE
230V 60 Hz 1-Ph
4014-140


Immersion Crankcase Heater
Internal Overload
45/440V
Run
Capacitor
Emergency
Signal Light
T872C1004 Thermostat
Q672F1026 Subbase
X2 X1 G R Y1 W1 W2 E
NEC Class 2
24V Wiring
24V Terminal
Block
C G R Y W1 W2 E F
Hi-Press
Switch
T2 T1
L2 L1
Compressor
Contactor
Transformer
Changeover
Relay
Rev.
Valve
Defrost
Relay
Capacitor
Em.
Heat
Relay
Defrost
Thermostat
Blower Relay
Indoor
Motor
Limit
Outdoor
Motor
Timer
Capacitor
Heater
Contactors
Thermal
Cut-offs
Electric
Heaters
Equip.
Ground
Ckt. B
Ckt.A
Ckt.B
230V
60 Hz
1-Ph
Fuse A - 60A Time Delay
Fuse 4 - 60A Standard
Field Wiring - - - - -
Factory Wiring
2 Set heat anticipators at .40A for W1 and .80 for W2.
3 Reroute jumper from X2-W2 to X2-E.
4 Remove this jumper if outdoor stat is used. Wire stat between terminals W2 and F.
Model
48WH1
w/20Kw
USE COPPER OR
ALUMINUM WIRE
4014-150 REV.B