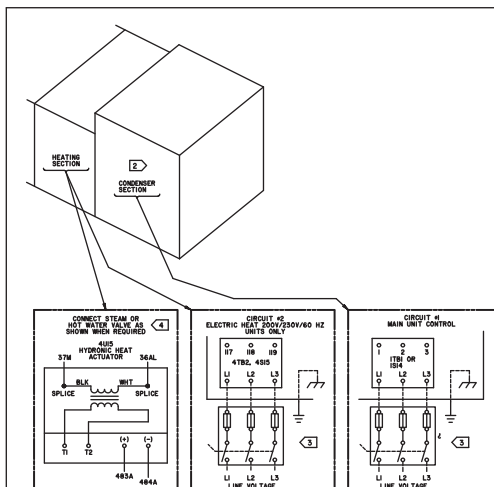




| FUSE REPLACEMENT TABLE               |             |                              |           |           |           |           |           |       |       |
|--------------------------------------|-------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-------|-------|
| CONDENSER FAN FUSE                   |             | UNIT VOLTAGE                 |           | 200       | 250       | 380       | 415       | 460   | 575   |
| IF1 THRU IF6 CLASS RKS               |             | TIME DELAY                   |           | 25A       | 25A       | 15A       | 15A       | 15A   | 15A   |
| CONTROL (U70) TRANSFORMER RATING     |             |                              |           |           |           |           |           |       |       |
| IF7 TYPE S                           |             | 20 - 30 TON                  | 0.25      | 0.30      | 0.50      | 0.75      | 1.00      | 1.50  | 1.50  |
|                                      |             | 40 - 50 TON                  | 15A       | 20A       | 20A       | 20A       | 20A       | 20A   | 20A   |
|                                      |             | 50 - 60 TON                  | 15A       | 20A       | 20A       | 20A       | 20A       | 20A   | 20A   |
|                                      |             | 70 - 150 TON                 | 15A       | 20A       | 20A       | 20A       | 20A       | 20A   | 20A   |
| ELECTRIC HEAT FUSE                   |             | 4F19 THRU 4F36, 4F46, 4F, 48 |           |           |           |           | CLASS K5  |       | 60A   |
| COMPRESSOR PROTECTION FUSE           |             | IF44 & IF45                  |           |           |           |           | TYPE MTH  |       | 6A    |
| TRANSFORMER CIRCUIT FUSE             |             | IF72 THRU IF74               |           |           |           |           | TYPE FLO  |       | 15A   |
| STANDARD MOTORS                      |             |                              |           |           |           |           |           |       |       |
| UNIT VOLTAGE                         | FUSE RATING | 1/2 HP                       | 3 HP      | 5 HP      | 7.5 HP    | 10 HP     | 15 HP     | 20 HP | 25 HP |
| 200V/60/3                            | 600V        | 5A                           | 35A       | 45A       | 70A       | 100A      | 125A      | 175A  | 225A  |
| 230V/60/3                            | 600V        | 5A                           | 25A       | 45A       | 70A       | 100A      | 125A      | 175A  | 225A  |
| 380V/60/3                            | 600V        | 10A                          | 10A       | 30A       | 50A       | 60A       | 90A       | 100A  | 125A  |
| 415V/60/3                            | 600V        | 10A                          | 10A       | 30A       | 45A       | 50A       | 90A       | 100A  | 125A  |
| 460V/60/3                            | 600V        | 10A                          | 10A       | 25A       | 35A       | 45A       | 60A       | 100A  | 125A  |
| OPTIONAL EXHAUST FAN CIRCUIT FUSES   |             |                              |           |           |           |           |           |       |       |
| UNIT VOLTAGE                         | FUSE RATING | 1/2 HP                       | 3 HP      | 5 HP      | 7.5 HP    | 10 HP     | 15 HP     | 20 HP | 25 HP |
| 200V/60/3                            | 600V        | N/A                          | 40A       | 45A       | 60A       | 100A      | 125A      | 175A  | 225A  |
| 230V/60/3                            | 600V        | N/A                          | 25A       | 45A       | 60A       | 100A      | 125A      | 175A  | 225A  |
| 380V/60/3                            | 600V        | N/A                          | 10A       | 25A       | 35A       | 45A       | 60A       | 100A  | 125A  |
| 415V/60/3                            | 600V        | N/A                          | 10A       | 25A       | 35A       | 45A       | 60A       | 100A  | 125A  |
| 460V/60/3                            | 600V        | N/A                          | 10A       | 25A       | 35A       | 45A       | 60A       | 100A  | 125A  |
| (CLASS "T" FUSES)                    |             |                              |           |           |           |           |           |       |       |
| HIGH EFFICIENCY MOTORS               |             |                              |           |           |           |           |           |       |       |
| UNIT VOLTAGE                         | FUSE RATING | 1/2 HP                       | 3 HP      | 5 HP      | 7.5 HP    | 10 HP     | 15 HP     | 20 HP | 25 HP |
| 200V/60/3                            | 600V        | N/A                          | 40A       | 45A       | 60A       | 100A      | 125A      | 175A  | 225A  |
| 230V/60/3                            | 600V        | N/A                          | 25A       | 45A       | 60A       | 100A      | 125A      | 175A  | 225A  |
| 380V/60/3                            | 600V        | N/A                          | 10A       | 25A       | 35A       | 45A       | 60A       | 100A  | 125A  |
| 415V/60/3                            | 600V        | N/A                          | 10A       | 25A       | 35A       | 45A       | 60A       | 100A  | 125A  |
| 460V/60/3                            | 600V        | N/A                          | 10A       | 25A       | 35A       | 45A       | 60A       | 100A  | 125A  |
| OPTIONAL CONVENIENCE OUTLET FUSE     |             |                              |           |           |           |           |           |       |       |
| IF55 AND IF56 (TIME DELAY TYPE FUSE) |             | 200V/60/3                    | 230V/60/3 | 380V/60/3 | 415V/60/3 | 460V/60/3 | 575V/60/3 |       |       |
|                                      |             | 15A                          | 10A       | N/A       | N/A       | N/A       | N/A       |       |       |

IMPORTANT!  
DO NOT ENERGIZE  
UNIT UNTIL DISCONNECT  
AND LIMIT-UP PROCEDURE  
HAS BEEN COMPLETED

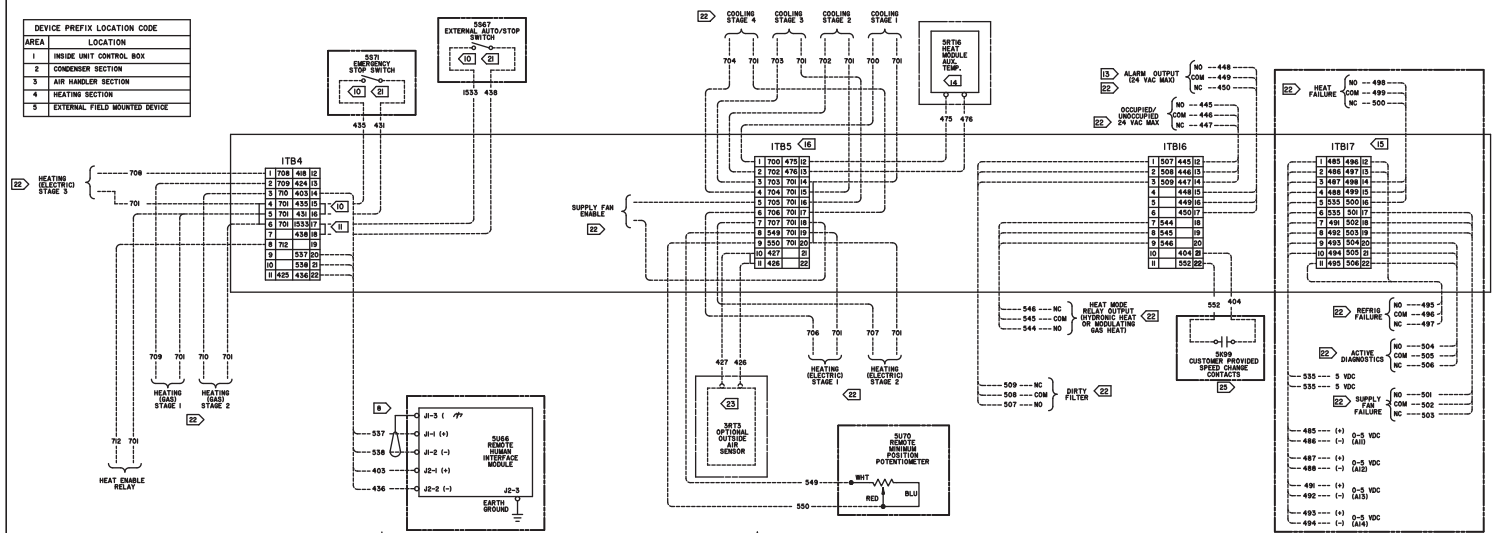
| CUSTOMER CONNECTION WIRE RANGE                         |           |                      |
|--------------------------------------------------------|-----------|----------------------|
| UNITS WITH MAIN POWER TERMINAL BLOCK (ALL VOLTAGES)    |           |                      |
| BLOCK SIZE                                             | WIRE QTY. | CONNECTOR WIRE RANGE |
| 125 AMP                                                | (1)       | #4 - 300 MCM         |
| 150 AMP                                                | (2)       | #4 - 300 MCM         |
| 200 AMP                                                | (3)       | #4 - 300 MCM         |
| 250 AMP                                                | (4)       | #4 - 300 MCM         |
| 300 AMP                                                | (5)       | #4 - 300 MCM         |
| 400 AMP                                                | (6)       | #4 - 300 MCM         |
| 500 AMP                                                | (7)       | #4 - 300 MCM         |
| 600 AMP                                                | (8)       | #4 - 300 MCM         |
| 800 AMP                                                | (9)       | #4 - 300 MCM         |
| 1000 AMP                                               | (10)      | #4 - 300 MCM         |
| UNITS WITH MAIN POWER DISCONNECT SWITCH (ALL VOLTAGES) |           |                      |
| DISCONNECT SIZE                                        | WIRE QTY. | CONNECTOR WIRE RANGE |
| 125 AMP                                                | (1)       | #4 - 300 MCM         |
| 150 AMP                                                | (2)       | #4 - 300 MCM         |
| 200 AMP                                                | (3)       | #4 - 300 MCM         |
| 250 AMP                                                | (4)       | #4 - 300 MCM         |
| 300 AMP                                                | (5)       | #4 - 300 MCM         |
| 400 AMP                                                | (6)       | #4 - 300 MCM         |
| 500 AMP                                                | (7)       | #4 - 300 MCM         |
| 600 AMP                                                | (8)       | #4 - 300 MCM         |
| 800 AMP                                                | (9)       | #4 - 300 MCM         |
| 1000 AMP                                               | (10)      | #4 - 300 MCM         |

**WARNING**  
HAZARDOUS VOLTAGE!  
DISCONNECT ALL ELECTRIC POWER  
INCLUDING REMOTE DISCONNECTS  
BEFORE SERVICING.  
FAILURE TO DISCONNECT POWER  
BEFORE SERVICING CAN CAUSE SEVERE  
PERSONAL INJURY OR DEATH.

**AVERTISSEMENT**  
VOLTAGE HASARDEUX!  
DECONNECTEZ TOUTES LES SOURCES  
ELECTRIQUES INCLUANT LES  
DISJONCTEURS SITUES A DISTANCE  
AVANT D'ETRE EN ENTRETIEN.  
FAUTE DE DECONNECTER LA SOURCE  
ELECTRIQUE PEUT ENTRAINER DES  
BLESSES CORPORELLES SEVERES  
OU LA MORT.

**CAUTION**  
USE COPPER CONDUCTORS ONLY!  
UNIT TERMINALS ARE NOT DESIGNED  
TO ACCEPT OTHER TYPES OF  
CONDUCTORS.  
FAILURE TO DO SO MAY CAUSE  
DAMAGE TO THE EQUIPMENT.

| DEVICE PREFIX LOCATION CODE | LOCATION                      |
|-----------------------------|-------------------------------|
| AREA 1                      | HEAT UNIT CONTROL BOX         |
| 2                           | CONDENSER SECTION             |
| 3                           | AIR HANDLER SECTION           |
| 4                           | HEATING SECTION               |
| 5                           | EXTERNAL FIELD MOUNTED DEVICE |



|                                                                                                                                                                                                              |                                                  |                                     |                                        |                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------|----------------------------------------|--------------------|
| <b>TRANSFORMER</b><br>A. BROWN & COMPANY INC.<br><b>REPLACES</b><br>2308-3927                                                                                                                                |                                                  | <b>FILE NUMBER</b><br><br>2308-3927 | <b>DRAWING NUMBER</b><br><br>2308-3927 | <b>REV</b><br><br> |
| <b>ROOFTOP PACKAGED AIR CONDITIONER</b><br><b>EXTERNAL FIELD MOUNTED DEVICES</b><br><b>AREA 5</b><br><b>20-130 TON SHW FH SHG</b><br><b>CONSTANT VOLUME</b><br><b>KROGER DESIGN W./ OR W/2 2 SPEED MOTOR</b> |                                                  |                                     |                                        |                    |
| <b>REPLACES</b><br><br>00000                                                                                                                                                                                 | <b>REVISION DATE</b><br><br>THRU 76<br>2300-3356 |                                     |                                        |                    |

- NOTES:
- ALL WIRING AND COMPONENTS SHOWN DESIGNED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL ELECTRICAL CODES.
  - CUSTOMER CONNECTIONS - MAIN UNIT CONTROL (CIRCUIT 40) - ARE LOCATED IN THE CONDENSER SECTION FOR 30 THRU 150 TON UNITS ARE LOCATED IN THE HEATING SECTION FOR 150 THRU 300 TON UNITS.
  - SEE CUSTOMER CONNECTION WIRE RANGE TABLE FOR ACCEPTABLE WIRE SIZES FOR CONNECTION TO MAIN UNIT TERMINAL BLOCK (UTB/ATB) OR DISCONNECT.
  - WIRING TO THE OPTIONAL STEAM AND/OR HOT WATER HEAT VALVE ARE SUPPLIED WITH THE UNIT. WIRE CONNECTIONS TO THE VALVE TO BE MADE BY THE CUSTOMER.
  - OPTIONAL 5057 REMOTE ZONE TEMP SENSOR IS USED FOR REMOTE ZONE TEMP SENSING.
  - WHEN 5057 REMOTE ZONE TEMP SENSOR IS USED, REMOVE 5058 INTERNAL ZONE TEMP SENSOR ATTACHED TO TERMINAL 2 OF UNIT.
  - WIRING USE SHIELDED TWISTED PAIR WIRE.
  - USE SHIELDED TWISTED PAIR WIRE. WRAP SHIELDS WITH TAPE.
  - REMOVE JUMPER (ITB4-1) & (ITB4-10) AND INSTALL HIGH DUCT TEMP T-STAT B/R/F FIELD SUPPLIED DEVICE.
  - REMOVE JUMPER (ITB4-1) & (ITB4-10) WHEN FIELD SUPPLIED EXTERNAL AUTO/STOP SWITCH (5057) IS INSTALLED.
  - ALARM OUTPUT SWITCHES ON ANY MANUAL RESET DIAGNOSTIC.
  - OPTIONAL HEAT MODE AUX. TEMP (5058) IS USED FOR MORNING WARM-UP CONTROL ON UNITS WITH HEATING OPTION.
  - ISA FUSE REPLACEMENT IS REQUIRED FOR 50 THRU 60 TON - 0.50 RVA TRANSFORMER WITH 200V - 230V - 460V OR 575V UNIT VOLTAGE.
  - ISA FUSE REPLACEMENT IS REQUIRED FOR 25 THRU 60 TON - 0.50 RVA TRANSFORMER WITH 380V OR 415V UNIT VOLTAGE.

- CONTACTS RATED 16 MA @ 24VDC MINIMUM.
- CONNECT TO 24VAC CLASS 2 CIRCUITS ONLY.
- REMOVE WHEN OPTIONAL FIELD SUPPLIED OUTSIDE AIR SENSOR (5057) IS INSTALLED AND THE UNIT DOES NOT HAVE ECONOMIZER.
- FIELD SUPPLIED AND INSTALLED COOPER/WHITCOMB CONTACTS (5058) FOR USE ON UNITS WITHOUT REMOTE PANEL WITH NIGHT SETBACK (5058).
- 3 SPEED SUPPLY FAN WIRING FOR HIGH SPEED OPERATION. CLOSING OF CUSTOMER SUPPLIED SPEED CHANGING CONTACTS WILL SWITCH THE UNIT TO LOW SPEED.