



| COMPONENT CODE | |
|----------------|-----------------------------|
| BLWR | BLOWER RELAY |
| C | COMMON |
| CC | COOLING CONTACTOR |
| CT | CONTROL TRANSFORMER |
| DISC | DISCONNECT SWITCH |
| EAC | ELECT. AIR CLEANER OUTPUT |
| FLMS | FLAME SENSOR |
| FR | FAN RELAY |
| FU | FUSE |
| GND | GROUND |
| GVC | GAS VALVE COMMON |
| GVR | GAS VALVE RELAY |
| HALC | HEAT ASSISTED LIMIT CONTROL |
| HCR | HEAT/COOL RELAY |
| HGV | HIGH GAS VALVE |
| HPC | HIGH PRESSURE CONTROL |
| HUM | HUMIDIFIER OUTPUT |
| IBM | INDOOR BLOWER MOTOR |
| IDM | INDUCED DRAFT MOTOR |
| IDR | INDUCED DRAFT RELAY |
| IFC | INTEGRATED FURNACE CONT |
| LC | LIMIT CONTROL |
| LGV | LOW GAS VALVE |
| LPC | LOW PRESSURE CONTROL |
| M | MAIN |
| MC | MEMORY CARD |
| MGV | MAIN GAS VALVE |
| MRLC | MAIN, RESET LIMIT CONTROL |
| NEU | NEUTRAL |
| NPC | NEGATIVE PRESSURE CONT. |
| PBS | PUSH BUTTON SWITCH |
| PFC | POWER FACTOR CHOKE |
| PL | PLUG |
| PS | PRESSURE SWITCH |
| MRLC | MAIN, RESET LIMIT CONTROL |
| NEU | NEUTRAL |
| NPC | NEGATIVE PRESSURE CONT. |
| PBS | PUSH BUTTON SWITCH |
| PFC | POWER FACTOR CHOKE |
| PL | PLUG |
| PS | PRESSURE SWITCH |
| RC | RUN CAPACITOR |
| SE | SPARK ELECTRODE |
| TM | THERMISTOR |
| WS | WATER SENSOR |
| ▲ | WIRE NUT |

NOTES:

① JUMPER USED IN PLACE OF PFC ON 1/2 HP MOTOR MODELS

② TWO OR THREE MRLC SWITCHES MAY BE PRESENT DEPENDING ON MODEL.

= CHASSIS GROUND

= EARTH GROUND

WIRING INFORMATION

LINE VOLTAGE

-FACTORY STANDARD

-FACTORY OPTION

-FIELD INSTALLED

LOW VOLTAGE

-FACTORY STANDARD

-FACTORY OPTION

-FIELD INSTALLED

REPLACEMENT WIRE

-MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C.MIN.)

WARNING

-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.

WIRE COLOR CODE

| | |
|-----------|------------|
| BK__BLACK | O__ORANGE |
| BR__BROWN | PR__PURPLE |
| BL__BLUE | R__RED |
| G__GREEN | W__WHITE |
| GY__GRAY | PK__PINK |
| | Y__YELLOW |

ELECTRICAL WIRING DIAGRAM

UPFLOW / DOWNFLOW - HORIZONTAL

BLOWER INDUCED DRAFT

TWO STAGE 90PLUS ECM

GAS FIRED, FORCED AIR FURNACE

DR. BY JIM

APP. BY

DATE 4-29-13

DWG. NO. 90-104533-01

REV 00