



- NOTES.**
- ▲ CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
 - ▲ COMPRESSOR MOTOR THERMALLY PROTECTED. PL 2 & PL 3 WIRING IS PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
 - ▲ TRANSFORMER FACTORY WIRED FOR 230 VOLTS.
 - ▲ CONNECT FIELD WIRE TO FACTORY SUPPLIED POWER BLOCK IN ELECTRICAL BOX.
 - ▲ LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
 - ▲ CONNECT FIELD WIRING IN GROUNDED BARN LIGHT CONDUIT TO FUSED DISCONNECT.
 - ▲ MOTOR FACTORY WIRED FOR CORRECT VOLTAGE.
 - ▲ REMOVE PL10 & PL11 FOR LOW AMBIENT ACCESSORY. PL10 & PL11, LOCATED IN BLOWER COMPARTMENT.
 - ▲ REMOVE PL7 FOR SMOKE DETECTOR ACCESSORY. PL 6 & PL 7 LOCATED IN RETURN AIR SECTION.
 - ▲ ECONOMIZER LOGIC MODULE (ELM).
 - ▲ WIRE SUPPLIED FOR ADDITION OF CRANKCASE HEATER ACCESSORY. ATTACH TO L1 & L3 WHEN CRANKCASE HEATER IS INSTALLED.
 - ▲ FS LOCATED IN BLOWER COMPARTMENT

DETAIL * - DIAGNOSTICS

TUBES	DIAGNOSIS
1	FAILED TO DETECT OR SUSTAIN FLAME.
2	PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3	HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4	FLAME SENSED GAS VALVE NOT ENERGIZED OR FLAME SENSED NO "W" SIGNAL.
5	FLAME ROLL OUT SWITCH OPEN.

COMPONENT CODE

- | | | | |
|------|---------------------------------|-------|-----------------------------|
| BR | BLOWER RELAY | IDM | INDUCED DRAFT MOTOR |
| CA | COMFORT ALERT MODULE | IFC | INTEGRATED FURNACE CONTROL |
| CC | COMPRESSOR CONTACTOR | LAC | LOW AMBIENT COOLING CONTROL |
| CCH | CRANKCASE HEATER | LC | LIMIT CONTROL |
| CFS | CLOGGED FILTER SWITCH | LPC | LOW PRESSURE CONTROL |
| COMP | COMPRESSOR | MRLC | MANUAL RESET LIMIT CONTROL |
| CT | CONTROL TRANSFORMER | NPC | NEGATIVE PRESSURE CONTROL |
| DAT | DISCHARGE AIR SENSOR | OFM | OUTSIDE AIR SENSOR |
| DISC | DISCONNECT SWITCH | PL | OUTDOOR FAN MOTOR PLUG |
| FLMS | FLAME SENSOR | PR | RETURN AIR SENSOR |
| FP | FAN PROVING | RC | RUN CAPACITOR |
| FS | FREEZE SENSOR | RTU-C | ROOFTOP UNIT CONTROL |
| GFCD | GROUND FAULT CONVENIENCE OUTLET | SE | SPARK ELECTRODE |
| GL | GROUND LUG | TB | TERMINAL BLOCK |
| GND | GROUND | VFD | VARIABLE FREQUENCY DRIVE |
| GV | GAS VALVE | W | WIRE NUT |
| HPC | HIGH PRESSURE CONTROL | | |
| IBM | INDOOR BLOWER MOTOR BELT DRIVE | | |

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., 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 | Y | YELLOW |

WIRING DIAGRAM
 090/102/120/151 W/VFD
 208-230/460V 3 PH, 60 HZ.
 ROOFTOP W/RTU-C