

1. ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
2. IF ANY OF THE ORIGINAL WIRES, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED. REPLACE WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
3. THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
- 4 CONNECTIONS SHOWN ARE FOR 460V/60HZ/3PH OPERATION. WHEN 208V/60HZ/3PH OPERATION IS REQUIRED, CONNECT WIRE 1E TO IGN-INDUCER-L2. ALSO, USE PLUG PPF-IND1 IN PLACE OF PPF-IND2, WIRE 48A, PLUG PPF-IND2, TNS2, AND TNS2'S WIRES ARE NOT PRESENT ON A 208-230V/60HZ/3PH UNIT.
- 5 CONNECTIONS SHOWN ARE FOR 460V/60HZ/3PH OPERATION. WHEN 230V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 FROM TNS1-208V TO TNS1-230V. ALSO, CONNECT WIRE 1E TO IGN-INDUCER-L2. ALSO, USE PLUG PPF-IND1 IN PLACE OF PPF-IND2, WIRE 48A, PLUG PPF-IND2, TNS2, AND TNS2'S WIRES ARE NOT PRESENT ON A 208-230V/60HZ/3PH UNIT.
- 6 CONNECTIONS SHOWN ARE FOR DUAL-STAGE GAS HEAT OPERATION. WHEN SINGLE-STAGE GAS HEAT OPERATION IS REQUIRED, WIRE 21A IS NOT CONNECTED TO IGN. ALSO, REMOVE WIRE 123E FROM GV. ALSO, CUT AND ISOLATE WIRE 129A. WIRE IND-PUR (NOT SHOWN) IS NOT PRESENT ON A SINGLE-STAGE GAS HEAT UNIT.
- 7 IDM RPM INDICATION 0-7.5VDC. SEE POWER DIAGRAM FOR RPM TABLE.
- 8 CCH2 LEADS ARE BLACK WITH BROWN TAPE WRAPPED AROUND THE END OF EACH LEAD.
- 9 CONNECTIONS SHOWN INCLUDE OPTIONAL COMM. IF COMM IS NOT INSTALLED, CONNECT PLUG 3P4 TO RTRM-3J4. REFER TO ACCOMPANYING LITERATURE FOR PROPER CONNECTION/COMBINATION OF OPTIONAL COMPONENTS.
- 10 TO DISABLE THE COMPRESSORS, REMOVE THE JUMPERS ON LTB1 BETWEEN PINS 1 & 2 AND PINS 3 & 4 AND CONNECT FIELD SUPPLIED CONTROL DEVICE.
- 11 TO SHUT DOWN THE UNIT FOR EMERGENCY STOP, REMOVE THE JUMPER ON LTB1 BETWEEN PINS 5 & 6 AND CONNECT FIELD SUPPLIED CONTROL DEVICE OR INSTALL OPTIONAL FIRESTAT.
- 12 INSTALL OPTIONAL REMOTE SENSOR (NOT SHOWN) TO PINS S1 AND S2 (NOT SHOWN) WHEN REQUIRED. SEE PROGRAMMABLE ZONE SENSOR/REMOTE PANEL WITH NIGHT SETBACK LITERATURE FOR CORRECT SETTINGS.
- 13 TO ENABLE SUPPLY AIR TEMPERING, REMOVE PLUG SP3.
- 14 REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.
- 15 REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.
- 16 FOR STANDARD ID FAN OPERATION ENSURE RTRM 3J9, RTOM 5J12, AND RTOM 5J8 PINS 6-7 ARE OPEN (NO CONNECTIONS).
- 17 FOR OPTIONAL MULTI-SPEED ID FAN, CONNECT RTRM 3J9 WITH 3P9, RTOM 5J8 PINS 6-7 WITH SP8B1.
- 18 FUTURE CHANGES - NOT USED.
- 19 PLUG PPM-RT IS NOT CONNECTED TO ANYTHING. IT IS ONLY USED FOR FACTORY RUNTEST HOOKUP.
- 20 FOR VAV BOX RELAY (VHR) NORMALLY CLOSED FUNCTION, CONNECT TO WIRES 634A(PR) AND 635A(BK). FOR NORMALLY OPEN RELAY FUNCTION, CONNECT TO WIRES 635A(BK) AND 636A(YL).

