

| WIRE COLOR DESIGNATION |        |      |        |
|------------------------|--------|------|--------|
| ABBR                   | COLOR  | ABBR | COLOR  |
| BK                     | BLACK  | PR   | PURPLE |
| BL                     | BLUE   | RD   | RED    |
| BR                     | BROWN  | WH   | WHITE  |
| GR                     | GREEN  | YL   | YELLOW |
| OR                     | ORANGE |      |        |

NOTES:

- ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES.
- IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
- THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.

- CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH. WHEN 208V/60HZ/3PH OPERATION IS REQUIRED, REMOVE WIRES 120(BL) FROM 230V TERMINAL ON TNS1 AND CONNECT TO 208V TERMINAL ON TNS1.

- WHEN COMM INTERFACE IS INSTALLED, CONNECT CABLE FROM COMM J1 TO RTRM J4. SEE COMM INTERFACE LITERATURE FOR SWITCH SETTINGS. SEE ALSO INSET D.

- WIRES W1, W2 AND W3 USED WITH ELECTRIC HEAT OPTION ONLY. WHEN ELECTRIC HEAT IS REQUIRED REMOVE WIRE NUT FROM WIRES AND CONNECT TO HI VOLTAGE TERMINAL BLOCK (HTB1) PER DIAGRAM. SEE ELECTRIC HEAT DIAGRAM FOR REMAINDER OF CIRCUIT.

- WHEN ELECTRIC HEAT OPTION IS REQUIRED, REFER TO ELECTRIC HEAT DIAGRAM FOR CUSTOMER POWER CONNECTIONS. (SEE INSET E)

- REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.

- OPTIONAL MAS, RAS, RHS, OHS AND ASSOCIATED WIRING NOT USED WITH MOTORIZED OUTSIDE AIR.

- CONNECT PPF-5 TO COMM IF PRESENT, OTHERWISE CONNECT TO RTRM.

- REQUIRED FOR CO2 OR VENTILATION OVERRIDE ACCESSORY.

- TO DISABLE COMPRESSORS, REMOVE JUMPER AND CONNECT FIELD SUPPLIED CONTROL DEVICE.

- TO SHUT DOWN THE UNIT FOR EMERGENCY STOP, REMOVE JUMPER AND INSTALL FIELD SUPPLIED DEVICE.

- TERMINALS MAY NOT BE PRESENT.

- SEE INSET T FOR DEHUMIDIFICATION HOOKUP.

- SEE INSET U FOR DEHUMIDIFICATION HOOKUP.

- 3 STAGE COOLING CONFIG WIRE. CONNECT WIRES 36B1 AND 36B2 TO ENABLE 3 STAGE COOLING ONLY ON HIGH EFFICIENCY SHORT DRIFICE UNITS

### IMPORTANT!

DO NOT ENERGIZE UNIT UNTIL CHECK-OUT AND START-UP PROCEDURE HAS BEEN COMPLETED.

### WARNING

HAZARDOUS VOLTAGE!

DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE.

FAILURE TO DO THE ABOVE BEFORE SERVICING COULD RESULT IN DEATH OR SERIOUS INJURY.

### AVERTISSEMENT

TENSION DANGEREUSE!

COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS A DISTANCE. PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ÉQUIPEMENT POUR DÉCHARGER LES CONDENSATEURS.

NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

### ADVERTENCIA

¡VOLTAJE PELIGROSO!

DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUSO LAS DESCONECIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGÚRESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.

EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÍA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

TRANE

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### DIAGRAM

CONNECTION ELECTRICAL  
208-230V  
TC 151E,181E

### FUSE REPLACEMENT TABLE

| FU1, FU2 | 208-230V | TYPE | FLG | 20 AMP |
|----------|----------|------|-----|--------|
|----------|----------|------|-----|--------|

WIRING TO  
ELECTRIC HEAT  
(PPF7 - SEE INSET E)

WIRING TO FTB, ECONOMIZER,  
FFS, CFS, DTS & TCO1

