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	TN	TAN

NOTES:

1. ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES.
2. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105℃.
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 OR 380V/50-60HZ/3PH. WHEN 575V/60HZ/3PH OR 415V/50HZ/3PH OPERATION IS REQUIRED, REMOVE WIRES 12B.C(BL) FROM H2 TERMINAL ON TNS2 AND CONNECT TO H3 TERMINAL ON TNS2.
5. CONNECTIONS SHOWN ARE FOR 460V/60HZ/3PH. WHEN 575V/60HZ/3PH OR 380-415/50-60HZ/3PH OPERATION IS REQUIRED. REMOVE WIRE 12C(BL) FROM 460V TERMINAL ON TNS1 AND CONNECT TO 400V/575V TERMINAL ON TNS1.
7. WHEN COMM INTERFACE IS INSTALLED, CONNECT CABLE FROM COMM J1 TO RTRM J4. SEE COMM INTERFACE LITERATURE FOR SWITCH SETTINGS. SEE ALSO INSET D.
11. REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.
12. REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.
13. OPTIONAL MAS, RAS, RHS, OHS AND ASSOCIATED WIRING NOT USED WITH MOTORIZED OUTSIDE AIR.
14. CONNECT PPF-5 TO COMM IF PRESENT.OTHERWISE CONNECT TO RTRM.
15. REQUIRED FOR CO2 OR VENTILATION OVERRIDE ACCESSORY.
18. TO DISABLE COMPRESSORS, REMOVE JUMPER AND CONNECT FIELD SUPPLIED CONTROL DEVICE.
19. TO SHUT DOWN THE UNIT FOR EMERGENCY STOP. REMOVE JUMPER AND INSTALL FIELD SUPPLIED DEVICE.
21. TERMINALS MAY NOT BE PRESENT.
23. 3 STAGE COOLING CONFIG WIRE. CONNECT WIRES 36BY AND 36BZ TO ENABLE 3 STAGE COOLING ONLY ON HIGH EFFICIENCY SHORT ORIFICE UNITS.

⚠ 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 À DISTANCE. PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT 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 DESCONEXIONES 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 EJE DE DIRECCIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.

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

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.

PRECAUCIÓN

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!

LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.

L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'ÉQUIPEMENT.

ATTENTION

¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!

LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.

SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.

IMPORTANT!

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

TRANE

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DIAGRAM CONNECTION ELECTRICAL COOLING/GAS HEAT 380V YC 150E

FUSE REPLACEMENT TABLE			
FU1. FU2	380V	TYPE FLQ	20 AMP

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

IGN J1 PPF3 S1 S2 L2 L1 HI/SINGLE LO CBM L1

TNS2 4 H1 H2 H3 X2 X1 Y2 Y1

F CC2 CC1

RTOM PPM6 PPF8 PPM8 PPF8 J2 J3 P13 J4 P4 J5 P15 J6 P6 J7 P7 J8 P8

RTRM P1 P2 P3 P4 P5 J1 J2 J3 J4 J5 J6 J7

ECA P24 J14 P23 J13 P12 J12 P31 J11 P10 J10 P9 J9 P28 J8 J15 P25 P J16 P16 P1

CFR CF1 CF2 HTB1 ODF1 TNS1 24V

CPR1 CPR2 CCH1 CCH2 DTS

FTB LTB

FIRE PANEL

IDM

CO2 SENSOR

ODM1 ODM2

OAS

CFM

PPM11 PPF11

PPM4 PPF4

GV

LPC1 LPC2 HPC1 HPC2 TDL1 TDL2

BMS

ZONE SENSOR

PPF5 P21 J2 J1 COMM SW1 TB1 TB2

INSET A - ECONOMIZER/MORIZED OUTSIDE AIR OPTION

INSET M WIRING FOR ECA WHEN OPTIONAL RTOM IS INSTALLED

INSET P WIRING FOR ECA W/O OPTIONAL RTOM

INSET J OHS

INSET K RHS RAS

INSET S - DISCHARGE AIR SENSOR OPTION

INSET B - PROGRAMMABLE ZONE SENSOR

INSET N - WIRING FOR RTRM WHEN RTOM OR ECA IS INSTALLED W/O COMM BOARD

INSET D - WIRING FOR RTRM WHEN OPTIONAL COMM IS INSTALLED (SEE NOTE 7)

INSET R- FROSTAT OPTION FOS

INSET G-FAN FAILURE SWITCH OPTION FFS

INSET H-CLOGGED FILTER SWITCH OPTION CFS

NOT USED WITH MOTORIZED OUTSIDE AIR

NEC CLASS 2

WIRING TO IP, TCO2, AND GV
WIRING TO CFM
WIRING FROM HPC1, HPC2, TDL1 & TDL2

WIRING TO CPR1,CPR2
WIRING FROM LPC1, LPC2

CUSTOMER CONNECTION

WIRING TO BMS

WIRING FROM ODM1 & OAS & ODM2

SEE NAMEPLATE FOR LINE VOLTAGE AND MAX. FUSE SIZE

150, 250, 350, AND 400 MBH HEAT EXCHANGERS