

1. ALL WIRING AND DEVICES SHOWN WASHED 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 WIRE, 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 230V/60HZ/3PH UNITS. WHEN 208V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 FROM THE 230V TERMINAL ON TNS1 TO THE 208V TERMINAL.

5) CCH2 CONDUCTORS ARE IDENTIFIED BY BROWN TAPE PLACED NEAR WIRE TERMINATIONS INSIDE CONTROL PANEL.

6) WHEN INSTALLING ECONOMIZER, REMOVE PPM2 FROM PPF2, CONNECT PPM2A TO PPF2, AND CONNECT MAS TO WIRES 180A AND 181A.

7 FOR MOTORIZED OUTSIDE AIR DAMPER, OPTIONAL MAS AND OTS (AND ASSOCIATED WIRING) ARE NOT USED, AND R4 IS REMOVED BETWEEN S0 AND + ON ECA.

8 CONNECTIONS SHOW OPTIONAL FOS INSTALLED. IF NOT INSTALLED, CONNECT WIRE W27 TO WIRE 132A.

9 CONNECTIONS SHOWN ARE FOR 2-STAGE GAS HEAT OPERATION. WHEN 1-STAGE OPERATION IS REQUIRED, WIRE 102B IS REMOVED. WIRES 21A, 101NN, AND 174A ARE NOT CONNECTED TO IGN, AND WIRE 123A IS NOT CONNECTED TO GV.

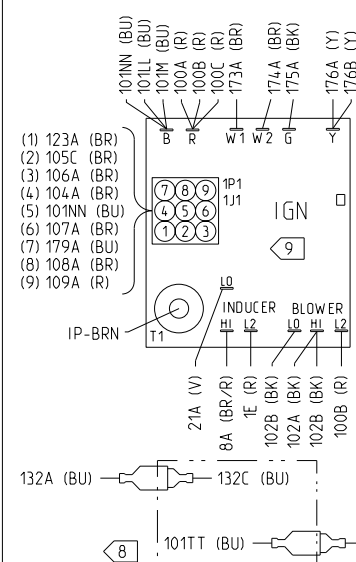
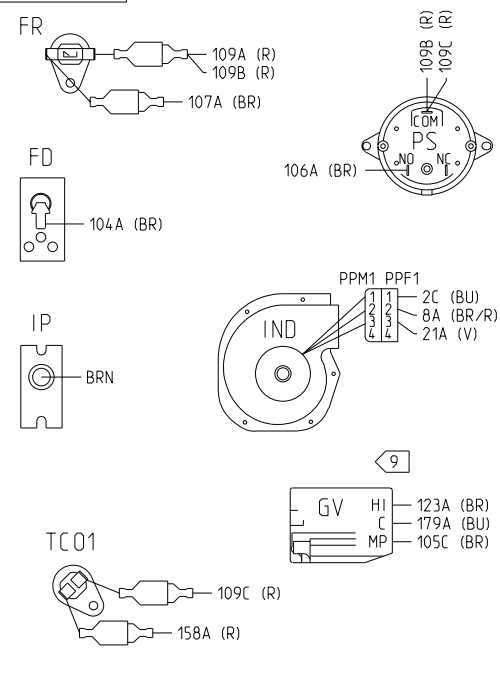
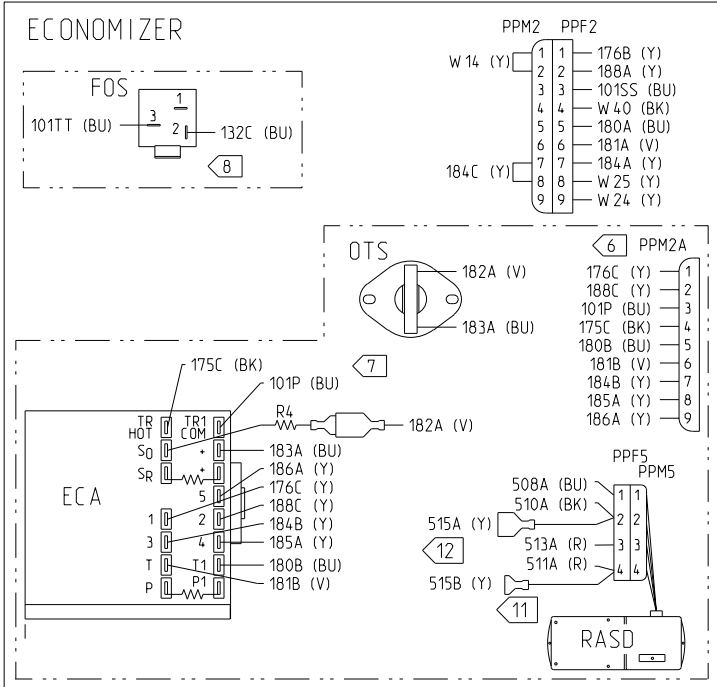
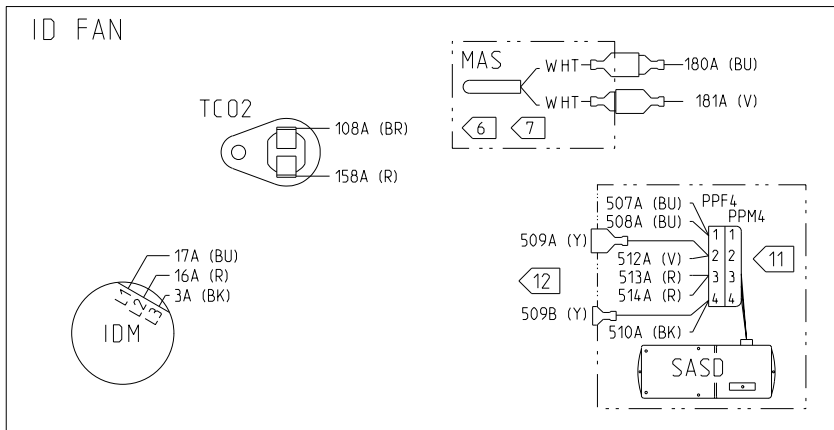
10 OPTIONAL PHASE MONITOR (PHM) CONNECTIONS SHOWN. IF PHM IS NOT INSTALLED; WIRE 100A IS CONNECTED TO TNS1 24V PWR; WIRES 100AF, 100AG, 1T, 2L, 3N, AND 101AR ARE NOT PRESENT.

11 IF OPTIONAL SMOKE DETECTOR (SD) IS INSTALLED, CONNECT SASD PLUG PPM4 TO PPF4 AND RASD PLUG PPM5 TO PPF5. REMOVE 100AF OR 100A AS REQUIRED FROM TNS1 24V PWR AND CONNECT TO 511A. CONNECT 514A /512A TO TNS1 24V PWR. CONNECT 507A TO TNS1 SECONDARY COM.

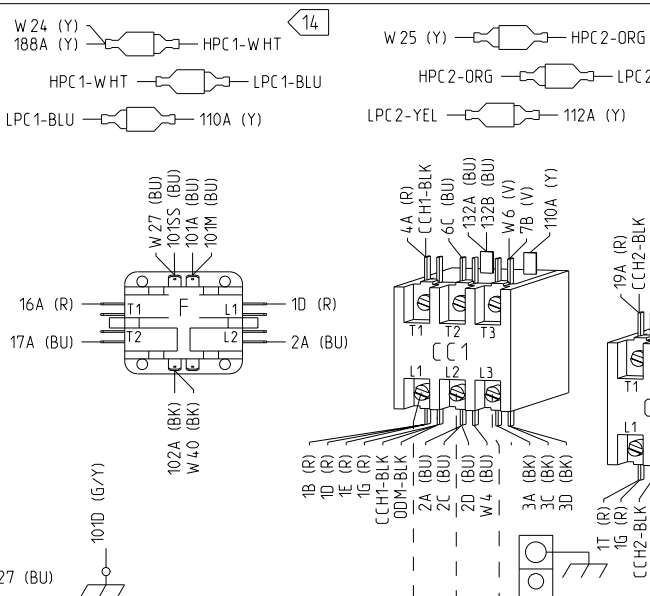
12 CONNECTIONS SHOWN INCLUDE RASD AND SASD. IF RASD IS NOT INSTALLED, CONNECT 515A TO 515B. IF SASD IS NOT INSTALLED, CONNECT 509A TO 509B.

13 > CUT PHM JUMPER FOR 50 HZ

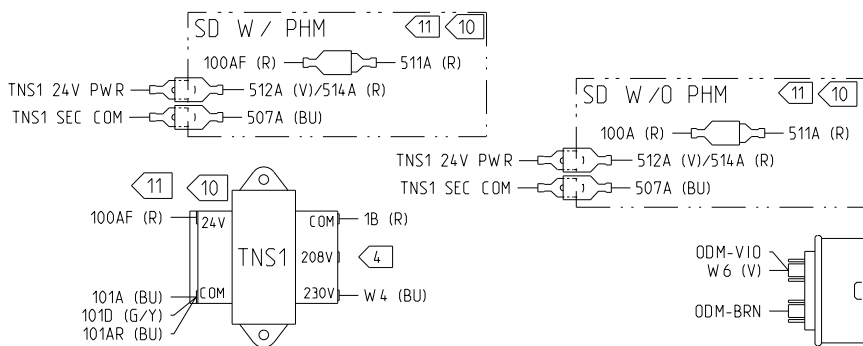
14 HPC CONNECTIONS SHOWN ARE FOR 410A REFRIGERANT. FOR R22 REFRIGERANT (DIGIT 7 IN MODEL NUMBER EQUALS "A" OR "B") HPC01 WILL HAVE BLACK LEADS AND HPC02 WILL HAVE RED LEADS



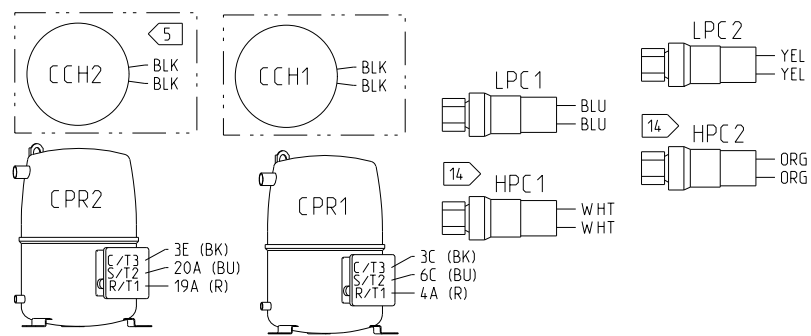
HEAT



CONTROL PANEL: CUSTOMER CONNECTION BOTTOM



COMPRESSOR

**TRANE**

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COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE
PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE

DRAWN BY: © TRANE DATE: 14 Jul 2000
K. Vickmark

DO NOT SCALE PRINT

	1990	1995	2000	2005	2010
1990	100	100	100	100	100
1995	100	100	100	100	100
2000	100	100	100	100	100
2005	100	100	100	100	100
2010	100	100	100	100	100

THIRD ANGLE
PROJECTION

IMPORTANT

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

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.

ATTENTION

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'EQUIPEMENT.

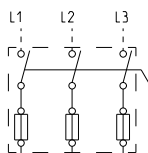
PRECAUCIÓN

¡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.

SEE NAMEPLATE FOR LINE
VOLTAGE AND MAX FUSE SIZE



THERMOSTAT

100C (R) --- RC
173A (BR) --- W 1
174A (BR) --- W 2
175A (BK) --- G
 RH
176A (Y) --- Y1
184A (Y) --- Y2
101LL (BU) --- COMMON