

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 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, 380V/60HZ/3PH OR 575V/60HZ/3PH UNITS. WHEN 208V/60HZ/3PH OR 460V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 FROM THE 230V/400V/575V TERMINAL ON TNS1 TO THE 208V/460V 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 INCLUDE OPTIONAL SMOKE DETECTOR (SD) AND CONDENSATE OVERFLOW (COF). IF ONLY THE SMOKE DETECTORS (RASD, PLSD, SASD) ARE INSTALLED, CONNECT WIRE 100P TO 100AG. IF ONLY CONDENSATE OVERFLOW IS INSTALLED, CONNECT WIRE 100AF TO TNS1-24VAC.
- 10 CONNECTIONS SHOWN INCLUDE OPTIONAL SMOKE DETECTORS. THE FOLLOWING COMBINATIONS ARE ALLOWED: RASD ONLY, PLSD ONLY, SASD ONLY AND RASD & SASD ONLY. IF RASD OR PLSD IS NOT INSTALLED, CONNECT PPF-NRA TO PPM-NRA. IF SASD IS NOT INSTALLED, CONNECT PPF-NSA TO PPM-NSA.
- 11 TNS1 MAY OCCASIONALLY BE INSTALLED ROTATED 180 DEGREES FROM THE ORIENTATION SHOWN. THE BREAKER ON TNS1 SHOULD ALWAYS BE FACING THE FRONT OF THE UNIT.

**⚠ 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 TOUTS 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 LES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POURANT ÊTRE MORTELLES.

**⚠ ADVERTENCIA**  
¡VOLTAJE PELIGROSO!  
DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUIDO 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 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.

**TRANE**  
THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE  
DRAWN BY: K. Vickmark  
DATE: 27Jul2001

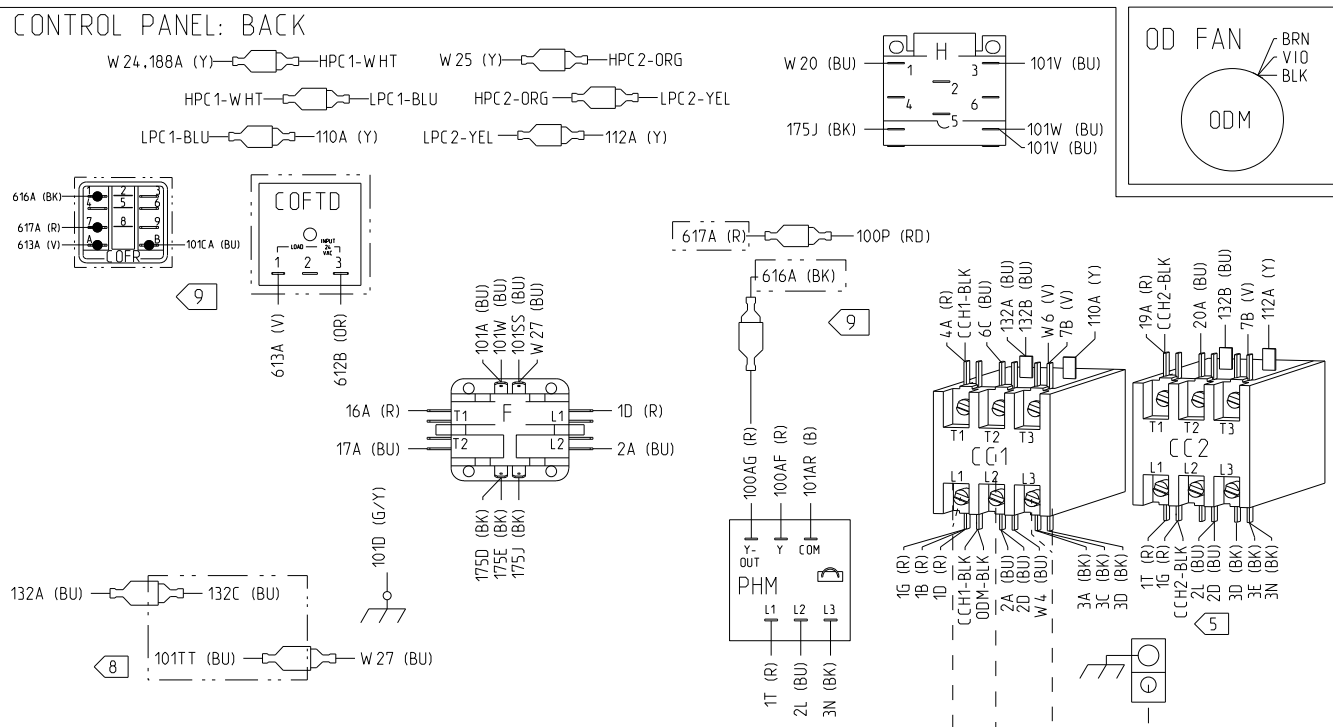
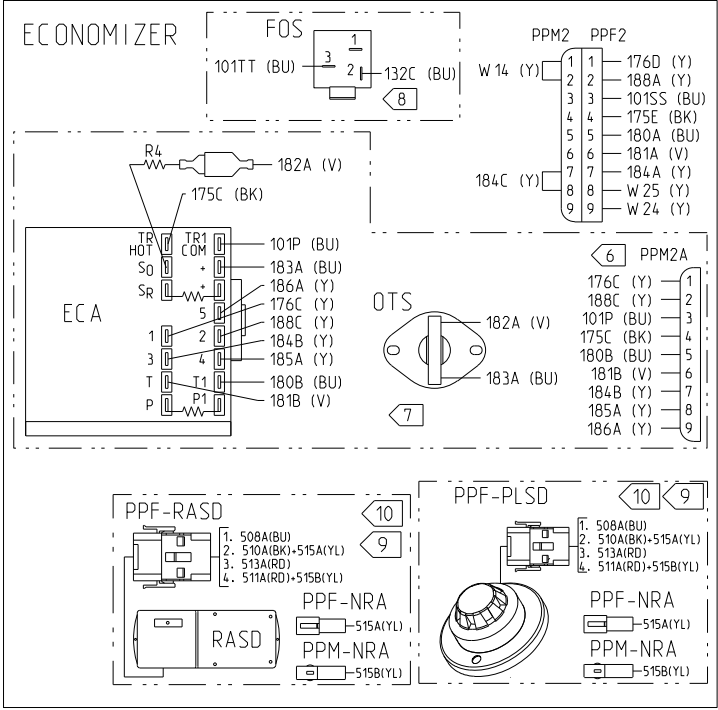
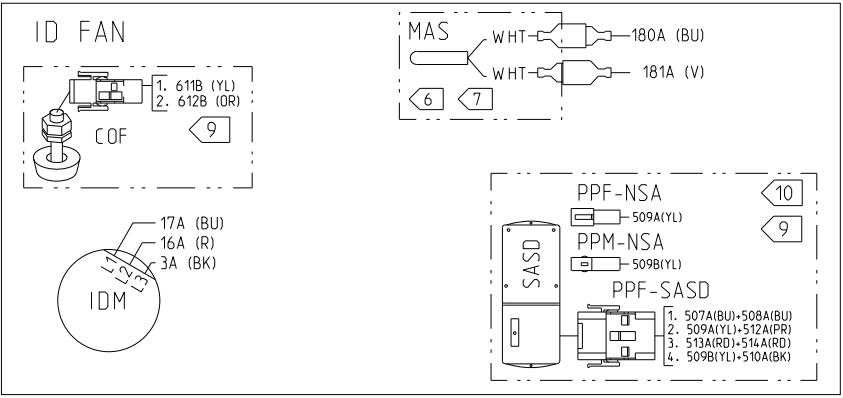
REV **L**

4366-1533

DIAGRAM  
CONNECTION PRINT  
TSC(092,102)E(3,4,W)  
ELECTROMECHANICAL

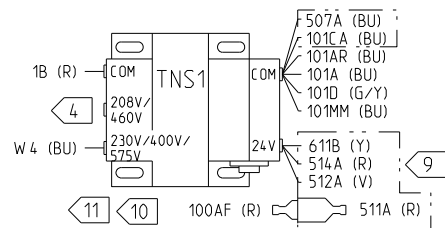
**IMPORTANT**  
DO NOT ENERGIZE UNIT UNTIL CHECK-OUT AND START-UP PROCEDURE HAS BEEN COMPLETED.

**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.

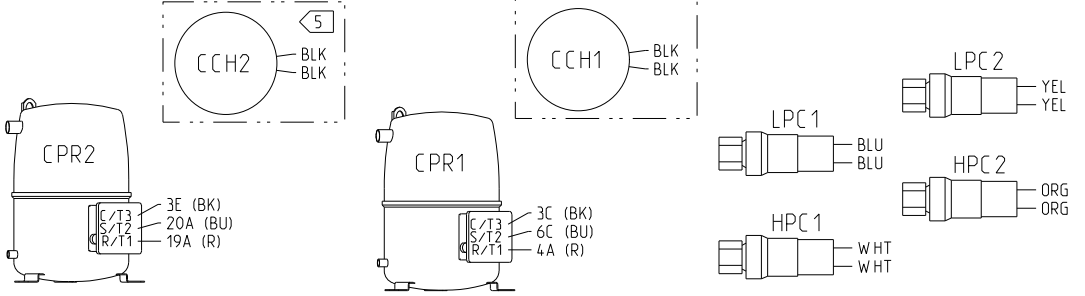


HEAT

**CONTROL PANEL: BOTTOM**



**COMPRESSOR**



SEE NAMEPLATE FOR LINE VOLTAGE AND MAX FUSE SIZE

**THERMOSTAT**

