



CN: SC5641  
11-OCT-11  
E. CONCEPCION

**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: V. PELEHS  
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VERTICAL AIR CONDITIONER  
COMMERCIAL SELF-CONTAINED  
WATER-COOLED INDEPENDENT  
SCHEMATIC WIRING DIAGRAM  
MULTIPLE CIRCUIT & WATERSIDE MODULES  
SCWF, SIWF 20-80 TON

2307-8277 3 OF 5 SHEET E

**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 PROCEDURES DE VERROUILLAGE ET DES ETIQUETTES AVANT TOUTE INTERVENTION. VERIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DECHARGES. DANS LE CAS D'UNITE COMPORTANT DES ENTRAINEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAINEMENT POUR DECHARGER LES CONDENSATEURS.  
NE PAS RESPECTER CES MESURES DE PRECAUTION PEUT ENTRAENER DES BLESSURES GRAVES POUVANT ETRE MORTELLES.

**ADVERTENCIA**  
¡VOLTAJE PELIGROSO!  
DESCONECTE TODA LA ENERGIA ELÉCTRICA, INCLUIDO LAS DESCONECCIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGURE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCION DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.  
EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRIA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

**NOTICE**  
USE COPPER CONDUCTORS ONLY!  
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.  
FAILURE TO DO THE ABOVE COULD RESULT IN EQUIPMENT DAMAGE.

**AVIS**  
N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!  
LES BORNES DE L'UNITE NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.  
FAIRE DÉFAUT A LA PROCEDURE CI-DESSUS PEUT ENTRAÎNER DES DOMMAGES A L'EQUIPEMENT.

**AVISO**  
¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!  
LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.  
NO SEGUIR LAS INSTRUCCIONES ANTERIORES PUEDE PROVOCAR DAÑOS EN EL EQUIPO.

- 2B USE CLASS 2 WIRING FOR 24 VDC AND 24 VAC APPLICATIONS. ANALOG/BINARY INPUTS AND ANALOG OUTPUTS ARE 24 VDC. BINARY OUTPUTS ARE 24 VAC.
- 41 2S18 - 2S21 ARE LOW PRESSURE CUTOFF SWITCHES USED FOR COMPRESSOR PROTECTION (49 PSIG). CAUTION!! DO NOT JUMPER ACROSS SWITCH UNDER ANY CIRCUMSTANCES.
- 42 STAGING SHOWN WITH LEAD/LAG DISABLED.
- 44 MIXED AIR TEMPERATURE SENSOR 4RT4 IS REQUIRED WITH THE WATERSIDE ECONOMIZER OPTION.
- 45 REMOVE JUMPER W30, BEFORE INSTALLING WATER FLOW SWITCH.
- 47 THE ENTERING WATERSIDE ECONOMIZER TEMPERATURE SENSOR IS ONLY PRESENT WHEN THE WATERSIDE ECONOMIZER OPTION IS DESIRED.
- 48 REMOVE JUMPER W31 BEFORE INSTALLING THE LOW TEMPERATURE LIMIT SWITCHES 4S40 AND 4S44.