



LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
CC1	CONTACTOR - COMPRESSOR	18,20,25
CCH	CRANKCASE HEATER	22
CFM	MOTOR - COMBUSTION FAN	36
CPR1	COMPRESSOR	18
CTL	COIL TEMP LIMIT SWITCH	22
IDM	ID FAN MOTOR	11
IGN	MODULE - IGNITION CONTROL	36
ODM	OD FAN MOTOR	24
PHM	PHASE MONITOR	41
TNS1	TRANSFORMER - 24V CONTROLS	47

WIRE COLOR DESIGNATION			
ABBR	COLOR	ABBR	COLOR
BK	BLACK	V.(PR)	PURPLE
BL	BLUE	R	RED
BR	BROWN	TN	TAN
G	GREEN	W	WHITE
O	ORANGE	Y	YELLOW

- NOTES:
- UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25°C (77°F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
 - DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINE INDICATES WIRING BY TRANE CO.
 - NUMBERS ALONG THE RIGHT SIDE MARGIN OF THE SCHEMATIC DESIGNATE, BY LINE NUMBER, THE LOCATION OF CONTACTS ENERGIZED BY COIL. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROWHEAD POINTING UPWARD BELOW THE LINE NUMBER INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.
 - CLIP PHM WIRE FOR 50HZ OPERATION.
 - CONNECTIONS SHOWN ARE FOR 230V UNITS. FOR 208V OPERATION, MOVE ALL WIRES FROM THE 230V TERMINAL TO THE 208V TERMINAL ON TNS1.

<p>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.</p> <p>FAILURE TO DO THE ABOVE BEFORE SERVICING COULD RESULT IN DEATH OR SERIOUS INJURY.</p>	<p>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'UNITES COMPORTANT DES ENTRAINEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAINEMENT POUR DECHARGER LES CONDENSATEURS.</p> <p>NE PAS RESPECTER CES MESURES DE PRECAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.</p>	<p>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. ASEGURESE 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.</p> <p>EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÍA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.</p>
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CAUTION	ATTENTION	PRECAUCIÓN
USE COPPER CONDUCTORS ONLY! 75C°	N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!	¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.	LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.	LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.	L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'EQUIPEMENT.	SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.

TRANE

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DRAWN BY: R. JOHNSON
CHECKED BY: R. JOHNSON
DATE: 28-MAY-2015
REVISION DATE: _____

CSD SYSTEM DESIGN
FIELD DIAGRAM

SIMILAR TO: _____

FILE NUMBER: 12131635
DRAWING NUMBER: 12131637
PRECEDENT
DIAGRAM
POWER, GAS HEAT, 208/230V
3-5 TON 14 SEER

SHEET: 1 OF 1
REV: A