



LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
CC1	CONTACTOR - COMPRESSOR 1	10,12,13,14
CC2	CONTACTOR - COMPRESSOR 2	16,17,18
CCH1	HEATER - CRANKCASE 1	7
CCH2	HEATER - CRANKCASE 2	5
CFM	MOTOR - COMBUSTION FAN	52
CHTB	TERMINAL BLOCK - CRANKCASE HEATER	7
CPR1	COMPRESSOR 1	12
CPR2	COMPRESSOR 2	16
DISC	DISCONNECT - FACTORY INSTALLED	4
F	CONTACTOR - INDOOR FAN	20,21,22,26,27,28
FOL	OVERLOAD - SUPPLY FAN	26
FTB	TERMINAL BLOCK - INDOOR FAN	20,21,22,26,27,28
FU21	FUSE - OUTDOOR MOTOR	26
FU22	FUSE - OUTDOOR MOTOR	26
FU23	FUSE - OUTDOOR MOTOR	26
FU24	FUSE - CRANKCASE HEATER	9
FU25	FUSE - CRANKCASE HEATER	9
HTB1	TERMINAL BLOCK - HIGH VOLTAGE	6,10
IDM	MOTOR - INDOOR	20,26
IGN	MODULE - IGNITION CONTROL	53
LOAM	MODULE - LOW AMBIENT CONTROLLER	41
ODF1	CONTACTOR - OUTDOOR FAN 1	30,31,41,42
ODF2	CONTACTOR - OUTDOOR FAN 2	35,36,46,47
ODM1	MOTOR - OUTDOOR 1	31,42
ODM2	MOTOR - OUTDOOR 2	36,47
PHM	MODULE - PHASE MONITOR	11
TNS1	TRANSFORMER - 24V CONTROLS	58

- NOTES:
1. 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.
 2. 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.
 3. NUMBERS ALONG THE LEFT 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.
 4. CONNECTIONS SHOWN ARE FOR 230V UNITS. FOR 208V OPERATION, MOVE ALL WIRES FROM THE 230V TERMINAL TO THE 208V TERMINAL ON TNS1.
 8. CUT RED WIRE ON PHASE MONITOR AS SHOWN ON THE DEVICE FOR 50HZ OPERATION.
 9. FOR OPTIONAL FIELD INSTALLED LOW AMBIENT CONTROL SEE INSET A.

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

TRANE			
THIS DRAWING IS PROPERTY OF TRANE AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF TRANE.	DATE: 12-01-2017	REVISION DATE: 5-15-2018	SYMBOL TO: 1-1
DESIGNED BY: D. SHANNON	TRAINED BY: 12-01-2017	REVISION DATE: 5-15-2018	SYMBOL TO: 1-1
FILE NUMBER: 12132716	FOUNDATION: 12132718	SHEET: 1 OF 1	REV: C
SCHEMATIC - POWER - ELECTRO-MECHANICAL			
208V/230V 2-STAGE GAS HEAT - CV - 15-25T			

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.

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 ENTRAÎNEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DECHARGER LES CONDENSATEURS.

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

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

CAUTION
USE COPPER CONDUCTORS ONLY! 75C°
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.