UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCE:	TRAN THIS DRAWING IS PROPRIETARY AN		196001410003 SHEET 20F2	D
X =± XX =± FINISH	CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE DRAWN BY: A. TAGHER OTTEN CONSENT OF TRANE DATE: 28-SEP-2021		LOW VOLTAGE SINGLE MOTOR, VFD, NO ELECTRIC HEAT	
ANGLES = ± HOLE DIA = CONFORMS TO ASME Y14.5M - 1994	DO NOT SCALE PRINT	THIRD ANGLE PROJECTION	CONTROL INTERFACE 200V, 230V, 460V, 575V	

	1W1	]
	V1 2−10VDC+ TB4−4 ⊕	+ γ
	DC COM TB4−3 ⊕ 24VAC+ TB4−2 ⊕	
	AC COM TB4−1 ⊕	
	V2 2−10VDC+ TB5−4 ⊕	+ ¦
	DC COM TB5-3 ⊕	+ ¦
	24VAC+ TB5−2 ⊕	+ ¦
	AC COM TB5−1 ⊕— -	
	AC COM TB6-13 ⊕	
	AC COM TB6-12  ⊕	I
	24VAC+ TB6-11 ⊕	+
	V1 2−10VDC+ TB6−10 ⊕ V2 2−10VDC+ TB6−9 ⊕	
	MC COIL RELAY+ TB6−7 ⊕— -	
	MC COLL RELATE 180-7 (g	
	VFD 0−10VDC+ TB6−2 ⊕	CUSTOMER CONNECTION POINTS
	VFD RUN RELAY+ TB6−1 ⊕	
	VFD FAULT+ TB7−13 ⊕— -	+ ¦
403B 9XJ1-8_9XP1-8 403A 1XP5-8	VFD FAULT- TB7-12 ⊕	+ ¦
196001360003-26/	U3-8 VFD RUN INT- 1K1 VFD COMM5+ TB7-11 ⊕	+ ¦
404B 9XJ1-7 9XP1-7 404A 1XP5-7	VFD COMM5- TB7-10 ⊕ -	+ ¦
1XP5-6	J3−7 VFD RUN INT+ MIXED AIR SENSOR+ TB7−9 $\oplus$ - J3−6 DC COM ACTUATOR 2−10+ TB7−8 $\oplus$ -	
4000 9X.11-5 9XP1-5 4004 1XP5-5	DISCHARGE AIR SENSOR+ TB7−7 ⊕	+ ¦
196001380003-302 409B 9XJ1-4 9XP1-4 408A 1XP5-4 196001380003-282 408B 9XJ1-4 9XP1-4 408A 1XP5-4	J3-5 VFD 0-10VDC+ LOW LIMIT TEMP+ TB7-6 ⊕	+ ¦
	J3-4 VFD FAULT- $J3-4 VFD FAULT-$ CONDENSATE OVERFLOW SW+ TB7-5 $\oplus$ - FAN STATUS+ TB7-4 $\oplus$ -	
	J3−3 VFD FAULT+ DC COM TB7−3 ⊕	
402B 9XJ1-2 9XP1-2 402A 1XP5-2	J3-2 VFD COMM5- DC COM TB7-2 ⊕	+
1010 9X11-1 9XP1-1 4044 1XP5-1	J3−1 VFD COMM5+	+
5XP1-2 5XJ1-2 411B 5XP2-2 5XJ2-2 411A 1XP2-7		
6 DC COM 5XP1-1 5XJ1-1 412B 5XP2-1 5XJ2-1 412A 1XP2-6	J2-6 AC COM	
2-10VDC+ 5XP1-3 5XJ1-3 413B 5XP2-3 5XJ2-3 413A 1XP2-5	J2-5 ACTUATOR 2-10VDC+	
2XP6-1_2XJ6-1_414A_1XP2-4		
6 281 $2XP6-2$ 2XJ6-2 415A 1XP2-3	J2-4 DC COM	
$t^{\circ}C = 2XP5 - 1 \cdot 416A \cdot 1XP2 - 2$	J2-3 MIXED AIR SENSOR+	
6 <u>2R2</u> 2XP5-2 2XJ5-2 417A 1XP2-1	J2-2 DC COM J2-1 DISCHARGE AIR SENSOR+	
t°C 2XP4-1 2XJ4-1 418A 1XP1-8	J1-8 DC COM	
6 251 2XP4-2 2XJ4-2 419A 1XP1-7		
2XP3-1 2XJ3-1 420A 1XP1-6		
6 252 2XP3-2 2XJ3-2 421A 1XP1-5	J1-5 CONDENSATE OVERFLOW SWITCH+	
<sup>20</sup> 2XP2-1 2XJ2-1 422A 1XP1-4		
	J1-3 FAN STATUS+	1XP3-2 BLU 106001380003-34
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	J1-2 DC COM 24VAC+ J5-2	
	J1-1 FILTER STATUS+ AC COM J5-1	1XP3-1 YEL / 196001380003-34

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 OCCURED.
- 2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINES ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENETS PROVIDED BY THE FIELD. PHANTOM
  - LINES INDICATE CONTROL OPTION. PHANTOM LINES ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINES INDICATE WIRING BY TRANE.
- 3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROWHEAD BELOW THE LINE NUMBER POINTING UPWARD INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.
- 4. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTICAL CODE, STATE, AND LOCAL REQUIREMENTS. OTHER COUNTRIES APPLICABLE NATIONAL AND/OR LOCAL REQUIREMENTS SHALL APPLY. FIELD CONDUCTORS SHALL HAVE INSULATION RATING NOT LESS THAN 600V COPPER CONDUCTORS ONLY.
- 5. CONNECTIONS ARE INTENDED FOR CLASS 2 ONLY. 6. ALL AVAILABLE END DEVICES SHOWN, SEE UNIT

CONFIGURATION FOR END DEVICES ON UNIT

	DEVICE PREFIX LOCATION CODE		
AREA	LOCATION		
1	MAIN CONTROL PANEL		
2	SUPPLY FAN&COIL SECTION		
3	ELECTRIC HEAT CONTROL BOX		
4	FILTER SECTION		
5	MIXING BOX SECTION		
6	COIL ACCESS SECTION		
7	EXTERNAL PIPING		
8	FIELD INSTALLED DEVICE		
9	VFD CONTROL PANEL		

DEVICE	DESCRIPTION	ZONE
1K1	RELAY; OVERLOAD	40
1W1	ADAPTER BOARD	34
2R1	MIXED AIR SENSOR	51
2R2	DISCHARGE AIR SENSOR	53
2S1	LOW LIMIT SWITCH	55
2S2	CONDENSATE OVERFLOW SWITCH	57
2S3	FAN STATUS SWITCH	59
2S4	FILTER STATUS SWITCH	61
5M1	DAMPER ACTUATOR	47

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	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.	
	TENSION DANGEREUSE!	
	COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS À USTANCE, PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAINEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAINEMENT POUR	
NOTICE	DÉCHARGER LES CONDENSATEURS.	
USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.	NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAINER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.	
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.		
ATTENTION	iVOLTAJE PELIGROSO!	
N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!	DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUSO LAS DESCONEXIONES REMOTAS Y	
LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.	SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO, ASEGÚRESE DE QUE TODOS	
L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'ÉQUIPEMENT.	LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO.	
PRECAUCIÓN	PARA LAS UNIDADES CON EJE DE DIRECCIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.	
IUTILICE 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.	EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÍA OCASIONAR LA MUERTE	
SI NO LO HACE, FOEDE OCASIONAR DANO AL EQUIPO.	O SERIAS LESIONES PERSONALES.	