WIRE COLOR SCHEME BLACK - LINE VOLTAGE RED - AC CONTROL WHITE - AC GROUNDED
CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND * AC MOTOR (SEE NOTES 6) *CUSTOMER SUPPLIED 1<u>T1 (L1) x T1</u> (A1) (A2) 4L1 (IF16A) 5L1 L1/R/91 L1 (L1) (T1) 1L1 BLK (F15AI) 2L1 3T1 (L1) (T1) INPLIT T1/U/96 IF18AII POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK 3T2 (L2) (T2) ` 1T2 (L2) <u>T2</u> FEEDER || IF188||-3 PH, 600V, T2/V/97 DRIVE CIRCUIT L3 (L3) (T3) 1L3 BLK [F15C] 2L3 1<u>T3 (L3) 7 T3</u> 3T3 (L3) (T3) _2T3 PROTECTION T3/W/98 -IIF18CII-(AFD) (SEE NOTE 3) INPUT DRIVE INPUT FUSES *AC MOTOR 2 DISCONNECT FUSES REACTOR (SEE NOTES 6) M3 (L1) | (T1) (L2) | (T2) OL2 F19Al AT2 (L2) 12 |F19B| (L3) (T3) AT3 (L3) -IF19CII-163 RED 101 WHT X2 X3 X2 X3 115VAC_{T1} 115VAC T2 CR6 165_______ TO SHEET 2 TO SHEET 2 HEATER

FAN 1

WARNING! THE FOLLOWING TABLE LIST THE PARAMETERS THAT ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS. ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED FOR YOUR APPLICATION.

NOTES:

1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.

(1) 4 (4)

TS1

CR6

(9)

167

- 3. FEEDER CIRCUIT PROTECTION, INPUT POWER AND MOTOR WIRING MUST BE SELECTED IN ACCORDANCE WITH THE N.E.C., ANY APPLICATION LOCAL CODES AND THE LOAD CURRENT RATING.
- 4. REPLACE JUMPER 'J1' WITH NORMALLY CLOSED SAFETY INTERLOCK CONTACT AS NECESSARY. CONTACT MUST BE RATED 1/4 HP @ 120VAC MINIMUM.
- 5. PANEL MAY REQUIRE DERATING, CONSULT DRIVE MANUAL OR FACTORY FOR FOLLOWING CONDITIONS:
- 5.1. HIGHER SWITCHING FREQUENCY THEN DRIVE DEFAULT
- 5.2. HIGHER THEN PANEL LISTED AMBIENT TEMPERATURES
- 5.3. ELEVATION ABOVE 3300 FEET (1000 METERS)
- 5.4. LONG MOTOR LEAD LENGTHS
- 6. WHEN MOTOR OVERLOADS SIZES ARE DIFFERENT. MOTOR 1 WILL BE THE LARGER OF THE TWO MOTORS

DRIVE PARAMETER SETTINGS

PARAMETER #	NAME	SETTING	VALUE	
0-02	MOTOR SPEED UNIT	1	HZ	
0-03	REGIONAL SETTINGS	1	NORTH AMERICA	
1-03	TORQUE CHAR.	1	VARIABLE TORQUE	
5-02	TERMINAL 29 TYPE	1	OUTPUT	
5-31	TERMINAL 29	5	RUNNING	
14-20	RESET MODE	13	INFINITE AUTO REST	

В			-NOTICE-	DRN	NAME	N	EMA 3R,600V,2C		THE TRANE COMPANY
Α			THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF THE TRANE COMPANY	DIM	,MAIN DISC,MAIN & DRIVE FUSE —,3MB2,IR,DUAL MOTOR,1 FAN		A DIVISION OF AMERICAN STANDARD INC.		
DR	ECNSP09001	1/09		APR	MODEL	,SMB2,		SIZE A DWG 1	7 4 5 1 4 0 5 0
REV	ECN	DATE		DTM	IWIODEL	VLT	PAGE <u>1</u> OF <u>2</u>	NO.	/4N425U



TERMINAL IDENTIFICATION

X - DRIVE TREMINAL

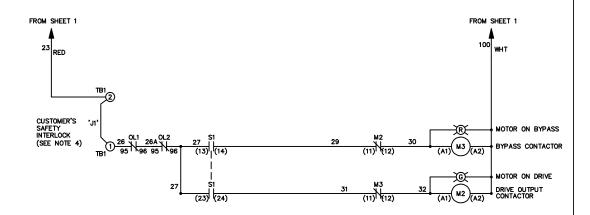
O - CUSTOMER TERMINAL

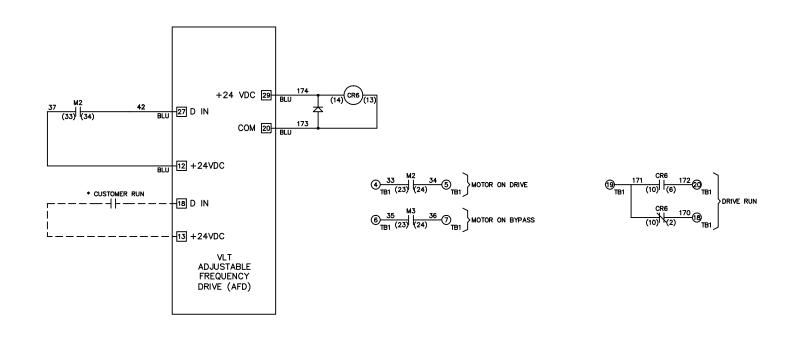
CUSTOMER DRY CONTACT RATINGS

RELAY	CONTACT RATING	
CR6	5A @ 120VAC 1/10 HP @ 120VAC	
M2, M3	10A @ 120/240VAC	



X INDICATES CONTACT CLOSED						
POSITION						
CONTACT	DRIVE	OFF	BYPASS			
13-14			Χ			
23-24	Χ					





В		
Α		
DR	ECNSP09001	1/09
REV	ECN	DATE

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	DRN DTM	NAME	,MAIN DI	NEMA 3R,600V,2C ,MAIN DISC,MAIN & DRIVE FUSE ,3MB2,IR,DUAL MOTOR,1 FAN			
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