WIRE COLOR SCHEME BLUE - DC CONTROL

GREEN - CHASSIS GROUND

BLUE - DC CONTROL

GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND * AC MOTOR *CUSTOMER SUPPLIED L1 (L1) (T1) 1L1 BLK (F15AI) 2L1 5L1 L1/R/91 3T1 (L1) (T1) 2T1 INPLIT T1/U/96 F16A 5L2 POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK | F15B| 2L2 3T2 (L2) (T2) ` (L2)<u>~ T2</u> FEEDER T2/V/97 3 PH, 600V, L2/S/92 DRIVE -[[F16B]] 5L3 L2/5/92 -[[F16C]] 5L3 L3/T/93 CIRCUIT L3 (L3) (T3) 1L3 BLK [[F15C]] 2L3 3T3 (L3) (T3) PROTECTION DS2 T3/W/98 (AFD) (SEE NOTE 3) DRIVE INPUT FUSES DRIVE MAIN DISCONNECT FUSES DISCONNECT M3 (L1) | (T1) (L2) | (T2) (L3) (T3)163 RED 101 WHT X4 X2 X3 X2 X3 115VAC_{T1} 115VAC T2 CR6 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)

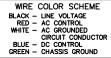
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- 3. FEEDER CIRCUIT PROTECTION, INPUT POWER AND MOTOR WIRING MUST BE SELECTED IN ACCORDANCE WITH THE N.E.C., ANY APPLICATION LOCAL CODES AND THE LOAD CURRENT RATING.
- 4. REPLACE JUMPER 'J1' WITH NORMALLY CLOSED SAFETY INTERLOCK CONTACT AS NECESSARY. 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

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.	3	AUTO ENERGY OPTIM VT
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	NI	EMA 3R,600V,20	;		THE TRANE COMPANY
Α			THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO	DTM	,М		VE DISC,MAIN &		FUSE	A DIVISION OF AMERICAN STANDARD INC.
DR	ECNSP09001	1/09	OUTSIDE PARTIES WITHOUT THE WRITTEN	APR	MODEL	,3MB2,	,SINGLE MOTOR,1 T	I FAN SIZE Λ		4114700
REV	ECN	DATE	CONSENT OF THE TRANE COMPANY	DTM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>		Pwg 1 7	4N4300



TERMINAL IDENTIFCATION

X - DRIVE TREMINAL

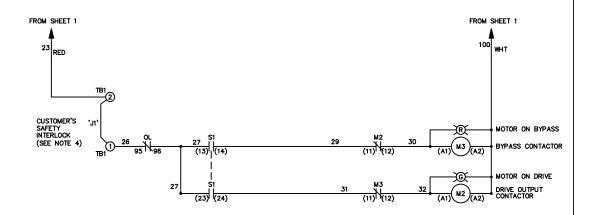
O - CUSTOMER TERMINAL

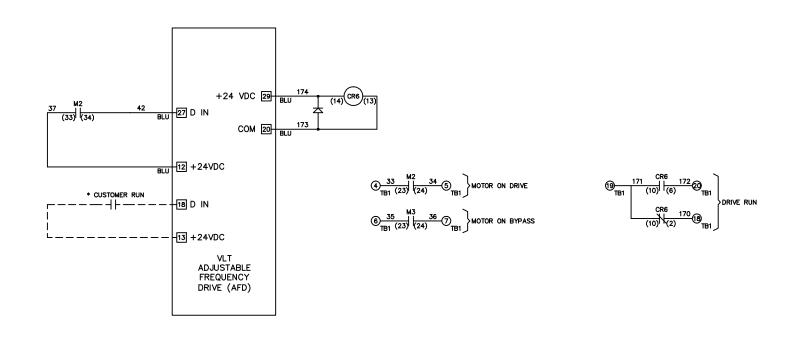
CUSTOMER DRY CONTACT RATINGS

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

CONTACT SEQUENCE CHART FOR S1

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





В		
Α		
DR	ECNSP09001	1/09
REV	ECN	DATE

DRN	NAME	AME NEMA 3R,600V,2C				
DTM	,	MAIN & DRIV	•			USE
APR	,3MB2,SINGLE MOTOR,1 FAN					
	MODEL	VLT	PAGE <u>2</u> 0	F <u>2</u>	SIZE	DWG NO.

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