WIRE COLOR SCHEME BLACK - LINE VOLTAGE RED - AC CONTROL WHITE - AC GROUNDED CIRCUIT CONDUCTOR BLUE - DC CONTROL GREEN - CHASSIS GROUND

INPUT

3 PH, 480V,

POWER

RELAY

CR6

TERMINAL IDENTIFICATION X - DRIVE TERMINAL (X) - CUSTOMER TERMINAL

EARTH GROUND EARTH GROUND AC MOTOR \*CUSTOMER SUPPLIED L1 (L1) (T1) 1L1 BLK (U1) (U2) 2L1 TF16A 3L1 L1/R/91 T1/U/96 | T16B| 3L2 | L1/R/91 | L2/S/92 ADJUSTABLE FREQUENCY (V1) (V2) 2L2 BRANCH L2 (L2) (T2) 1L2 BLK T2 T2/V/97 DRIVE CIRCUIT (W1) (W2) 2L3 L3 (L3) (T3) 1L3 BLK PROTECTION T3/W/98 (AFD) (SEE NOTE 3) INPUT DRIVE INPUT FUSES MAIN DISCONNECT REACTOR EARTH GROUND GRN \* CUSTOMER RUN -18 D IN +24 VDC 29-163 RED X2 100 WHT CUSTOMER DRY CONTACT RATINGS F12 -13 +24VDC 115VAC 250V COM 20 BLU CONTACT RATING 27 D IN HEATER (SET: 65° F) CUSTOMER'S SAFETY 'J1' (12) 5 (11) TS1 5A @ 120VAC 1/10 HP @ 120VAC INTERLOCK (SEE NOTE 4) 12 +24VDC 2)FAN 1 (SET: 80°F) (5) (23) (24) TS1 TB2 VLT FAN 2 ADJUSTABLE 53\_3 FREQUENCY (10) (6) DRIVE (AFD) DRIVE RUN CR6 (10) (2)

NOTES:

1. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

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

3. BRANCHCIRCUIT 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.

5. PANEL MAY REQUIRE DERATING, CONSULT DRIVE MANUAL OR FACTORY FOR FOLLOWING CONDITIONS:

5.1. HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT

HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES

ELEVATION ABOVE 3300 FEET (1000 METERS) 5.3.

LONG MOTOR LEAD LENGTHS

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

## 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		NEMA 3R,480V,NE	3	THE TRANE COMPANY
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DR	SP10076	09/10		APR		,IK,	SINGLE MUTUR,Z	F AIN	
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