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

TERMINAL IDENTIFCATION

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 INPUT T1/U/96 | L1/R/91 | SL2 | L2/S/92 POWER ADJUSTABLE FREQUENCY (V1) (V2) 2L2 BRANCH L2 (L2) (T2) 1L2 BLK T2 3 PH, 208V, T2/V/97 DRIVE CIRCUIT (W1) (W2) 2L3 L3 (L3) (T3) 1L3 BLK PROTECTION T3/W/98 (AFD) (SEE NOTE 3) DS1 INPUT DRIVE INPUT FUSES MAIN DISCONNECT REACTOR EARTH GROUND GRN * CUSTOMER RUN -18 D IN +24 VDC 29 163 RED X3 100 WHT CUSTOMER DRY CONTACT RATINGS F12 -13 +24VDC 115VAC 250V COM 20 BLU RELAY CONTACT RATING 27 D IN HEATER (SET: 65° F) CUSTOMER'S SAFETY 'J1' (12) 5 (11) TS1 5A @ 120VAC CR6 1/10 HP @ 120VAC INTERLOCK (SEE NOTE 4) 12 +24VDC ②FAN 1 (SET: 80°F) VLT ADJUSTABLE 53_3 FREQUENCY DRIVE (AFD) DRIVE RUN CR6

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
- 5.2. HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- 5.3. ELEVATION ABOVE 3300 FEET (1000 METERS)
- 5.4. 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

(10) (2)

PARAMETER #	NAME	SETTING	VALUE			
0-02	MOTOR SPEED UNIT	1	HZ			
0-03	REGIONAL SETTINGS	1	NORTH AMERICA AUTO ENERGY OPTIM VT			
1-03	TORQUE CHAR.	3				
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	Ν	EMA 3R,208V,NE	3		THE TRANE COMPANY
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DR	SP10076	09/10		APR D TM	, , ,					
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