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

TERMINAL IDENTIFICATION

X - DRIVE TERMINAL

CUSTOMER TERMINAL

EARTH GROUND EARTH GROUND AC MOTOR \*CUSTOMER SUPPLIED BLK (U1) (U2) 2L1 TF16A 3L1 L1/R/91 INPUT T1/U/96 0-\(\sqrt{1L2}\) | L1/R/91 | SL2 | L2/S/92 POWER ADJUSTABLE FREQUENCY (V1) (V2) 2L2 FEEDER BLK T2 3 PH, 480V, T2/V/97 DRIVE CIRCUIT (W1) (W2) 2L3 BLK `~\` PROTECTION T3/W/98 (AFD) (SEE NOTE 3) CB1 INPUT DRIVE INPUT FUSES CIRCUIT REACTOR BREAKER 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 20 RELAY CONTACT RATING 27 D IN (12) 5 (11) TS1 HEATER (SET: 65° F) CUSTOMER'S SAFETY 'J1' 5A @ 120VAC CR6 1/10 HP @ 120VAC INTERLOCK CR6 (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. 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.
- 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

PARAMETER #	NAME	SETTING	VALUE HZ			
0-02	MOTOR SPEED UNIT	1				
0-03	REGIONAL SETTINGS	1	NORTH AMERICA			
1-03	TORQUE CHAR.	3	AUTO ENERGY OPTIM VT OUTPUT			
5-02	TERMINAL 29 TYPE	1				
5-31	TERMINAL 29	5	RUNNING			
14-20	RESET MODE	13	INFINITE AUTO REST			

В			-NOTICE-	DRN	NAME		EMA 3R,480V,NE		THE TRANE COMPANY
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