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) (U1) (U2) 2L1 INPUT L1/R/91 T1/U/96 POWER ADJUSTABLE FREQUENCY (V1) (V2) 2L2 FEEDER L2 (L2) (T2) 1L2 BLK T2 3 PH, 600V, L2/S/92 T2/V/97 DRIVE CIRCUIT (W1) (W2) 2L3 L3 (L3) - IF16CI (T3) BLK PROTECTION L3/T/93 T3/W/98 (AFD) (SEE NOTE 3) DISCONNECT REACTOR EARTH GROUND GRN * CUSTOMER RUN -18 D IN +24 VDC 29-163 RED 100 WHT CUSTOMER DRY CONTACT RATINGS F12 -13 +24VDC X2 X3 250V 115VAC T2 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 (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 FOLLOWNG 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 OUTPUT RUNNING INFINITE AUTO REST			
5-02	TERMINAL 29 TYPE	1				
5-31	TERMINAL 29	5				
14-20	RESET MODE	13				

	В			-NOTICE-	DRN	NAME		NEMA 3R,600V,NB		THE TRANE COMPANY
	А	SP10119	11/10	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 FUSE DISC, DRIVE FUSE IR.SINGLE MOTOR.1 FAN			A DIVISION OF AMERICAN STANDARD INC.	
	DR	SP10076	09/10		APR	MODEL TROOP TO 1 SIZE A				
F	REV	ECN	DATE		D TM	MIODEL	TR200	PAGE <u>1</u> OF <u>1</u>	SIZE	No. 185B4653