WIRE COLOR SCHEME BLACK - LINE VOLTAGE RED - AC CONTROL WHITE - AC GROUNDED
CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND * AC MOTOR (SEE NOTES 6) *CUSTOMER SUPPLIED 1T1 (L1) x T1 L1 (L1) (T1) 1L1 BLK (F15AI) 2L1 3<u>T1 (L1)</u> (T1) INPLIT L1/R/91 T1/U/96 IF18AII IF16AI [F16B] 5L2 POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK 3T2 (L2) (T2) 1T2 (L2) <u>T2</u> FEEDER || IF188||-3 PH, 240V, L2/S/92 T2/V/97 | L2/3/92 | SL3 | L3/T/93 DRIVE CIRCUIT L3 (L3) (T3) 1L3 BLK [[F15C]] 2L3 1<u>T3 (L3) 7 T3</u> 3T3 (L3) (T3) _2T3 PROTECTION T3/W/98 -IIF18CII-(AFD) (SEE NOTE 3) DRIVE INPUT FUSES *AC MOTOR 2 DISCONNECT FUSES (SEE NOTES 6) M3 (L1) | (T1) (L2) | (T2) OL2 F19Al AT2 (L2) 12 |F19B| (L3) (T3) AT3 (L3) -IF19CII-23 F12 163 RED 101 WHT 115VAC 115VAC 250V CR6 TO SHEET 2 TO SHEET 2 HEATER (1) 4 (4) FAN 1 (9) (5) TS1 FAN 2

NOTES

- 1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
 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
- 6. WHEN MOTOR OVERLOADS SIZES ARE DIFFERENT, MOTOR 1 WILL BE THE LARGER OF THE TWO MOTORS

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.

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.	1	VARIABLE TORQUE
5-02	TERMINAL 29 TYPE	1	OUTPUT
5-31	TERMINAL 29	5	RUNNING
14-20	RESET MODE	13	INFINITE AUTO REST

B A	ECNSP09001	1 /00	-NOTICE- THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF THE TRANE COMPANY	DRN DTM	NAME	NAME NEMA 3R,240V,2C ,MAIN DISC,MAIN & DRIVE FUSE ,3MB2,DUAL MOTOR,2 FAN			THE TRANE COMPANY A DIVISION OF AMERICAN STANDARD INC.
REV	ECN3P09001	1/09 DATE		DTM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>	SIZE	DWG 17



TERMINAL IDENTIFCATION

X - DRIVE TREMINAL

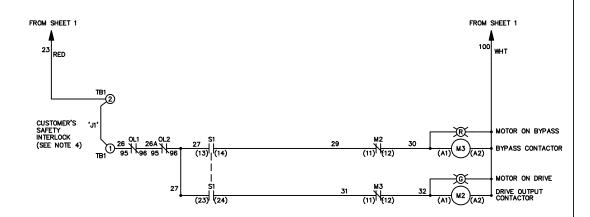
O - CUSTOMER TERMINAL

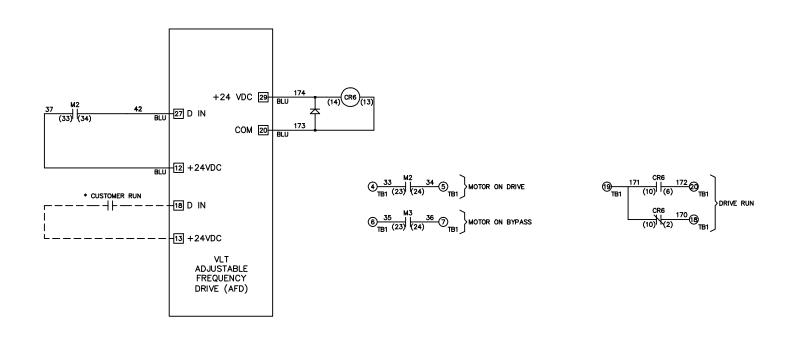
CUSTOMER DRY CONTACT RATINGS

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

CONTACT SEQUENCE CHART FOR S1 X INDICATES CONTACT CLOSED

BYPASS
Χ
E





В		
Α		
DR	ECNSP09001	1/09
REV	ECN	DATE

DTM NAME		,MAIN DI	EMA 3R,240V,20 SC,MAIN & DRI\ 2,DUAL MOTOR,2	/E FUSE
APR		,510162	,DUAL MOTOR,Z	FAIN
DTM	MODEL	VLT	PAGE <u>2</u> OF <u>2</u>	SIZE

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