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 1<u>T1 (L1) x T1</u> (A1) (A2) 4L1 [F16A] 5L1 L1/R/91 L1 (L1) (T1) 1L1 BLK 3T1 (L1) (T1) INPLIT T1/U/96 IF18AII POWER ADJUSTABLE FREQUENCY 3T2 (L2) (T2) ` 1T2 (L2) <u>T2</u> BRANCH L2 (L2) (T2) 1L2 BLK ||F188||-3 PH, 600V, T2/V/97 DRIVE CIRCUIT L3 (L3) (T3) 1L3 BLK 1<u>T3 (L3) 7 T3</u> 3T3 (L3) (T3) \_2T3 PROTECTION T3/W/98 -IIF18CII-(AFD) (SEE NOTE 3) INPUT DRIVE INPUT FUSES \*AC MOTOR 2 DISCONNECT REACTOR (SEE NOTES 6) M3 (L1) | (T1) (L2) | (T2) OL2 F19Al AT2 (L2) 12 |F19B| (T3) AT3 (L3) -IF19CII-163 RED 101 WHT X2 X3 X2 X3 115VAC<sub>T1</sub> 115VAC T2 CR6 TO SHEET 2 TO SHEET 2 HEATER (1) 4 (4) CR6 167 (9) FAN 1 TS1

## NOTES

1. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

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

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

B A DR	ECNSP09001	1/09	-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,600V,2C ,MAIN DISC,DRIVE FUSE ,3MB1,IR,DUAL MOTOR,1 FAN				THE TRANE COMPANY A DIVISION OF AMERICAN STANDARD INC.
REV	ECN ECN	DATE		DTM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>	SIZE	DWG 1 7	4N4238

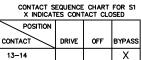


TERMINAL IDENTIFCATION

X - DRIVE TREMINAL

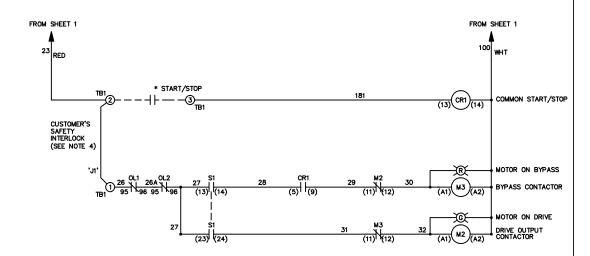
## CUSTOMER DRY CONTACT RATINGS

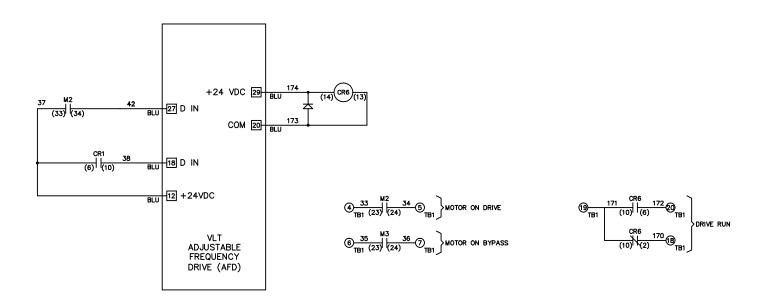
RELAY	CONTACT RATING	
CR1, CR6	5A @ 120VAC 1/10 HP @ 120VAC	
M2, M3	10A @ 120/240VAC	



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REV	ECN	DATE

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DTM		NAME	,MAI	EMA 3R,600V,2C N DISC,DRIVE FUSE	. 1
	APR	1	, , , , , , , , , , , , , , , , , , , ,	R,DUAL MOTOR,1 FAN	V
APK	DTM	MODEL	VLT	PAGE 2 OF 2 SIZE	7

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