WIRE COLOR SCHEME BLUE - DC CONTROL

GREEN - CHASSIS GROUND

BLUE - DC CONTROL

GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND \*CUSTOMER SUPPLIED (A1) (A2) 4L1 (IF16A) 5L1 L1/R/91 L1 (L1) (T1) 1L1 BLK (F15AI) 2L1 3T1 (L1) (T1) 2T1 INPLIT T1/U/96 POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK | F15B| 2L2 3T2 (L2) (T2) ` FEEDER T2/V/97 3 PH, 600V, DRIVE CIRCUIT L3 (L3) (T3) 1L3 BLK [[F15C]] 2L3 3T3 (L3) (T3) PROTECTION T3/W/98 (AFD) (SEE NOTE 3) INPUT DRIVE INPUT FUSES

101

HEATER

FAN 1

167

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.

M3 (L1) (T1) (L2) (T2) (L3) (T3)

WHT

TO SHEET 2

\* AC MOTOR

(L2) T2

\_(<u>r3</u>)∞ <u>r3</u>

## NOTES

- 1. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
- 2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.

DRIVE

DISCONNECT

163 RED

(1) 4 (4)

TS1

REACTOR

X4 X2 X3

115VAC T2

CR6

(9)

FUSES

- 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

DISCONNECT

## DRIVE PARAMETER SETTINGS

X2 X3 115VAC<sub>T1</sub>

TO SHEET 2

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	
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		EMA 3R,600V,2C			THE TRANE COMPANY
Α			THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO	DTM	٨,		/E DISC,MAIN & R,SINGLE MOTOR,		FUSE	A DIVISION OF AMERICAN STANDARD INC.
DR	ECNSP09001	1/09	OUTSIDE PARTIES WITHOUT THE WRITTEN	APR	MODEL	,510102,11	T,SINGLE MOTOR,	SIZE A		4
REV	ECN	DATE	CONSENT OF THE TRANE COMPANY	DTM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>		Pwg 1 7	4N43U3

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

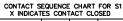
## TERMINAL IDENTIFCATION

X - DRIVE TREMINAL

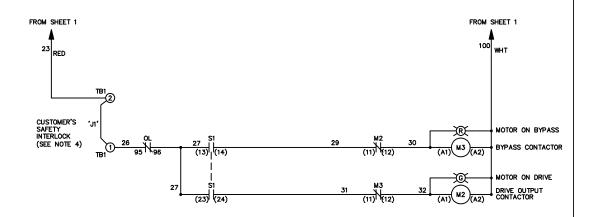
O - CUSTOMER TERMINAL

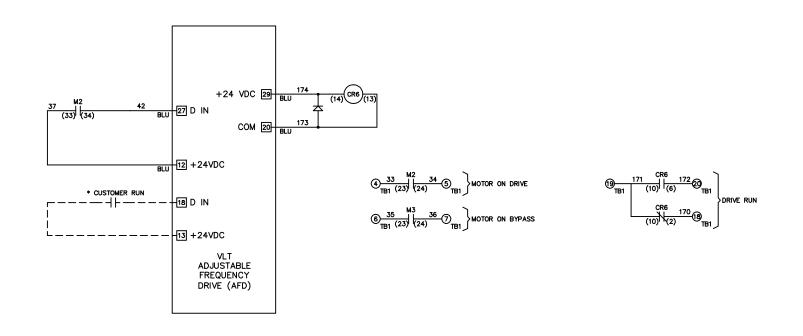
## CUSTOMER DRY CONTACT RATINGS

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



X INDICATES CONTACT CLOSED							
POSITION							
CONTACT	DRIVE	OFF	BYPASS				
13-14			Х				
23-24	Χ						





В		
Α		
DR	ECNSP09001	1/09
REV	ECN	DATE

-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

DTM	NAME	,MAIN & DRI	NEMA 3R,600V,2C DRIVE DISC,MAIN & DRIVE FUSE MB2,IR,SINGLE MOTOR,1 FAN			THE TRANE COMPAN  A DIVISION OF AMERICAN STANDARD INC
apr DTM	MODEL	VLT	PAGE 2 OF 2	SIZE	DWG 1 7	4N4303

THE	TRA	NE C	омр.	ANY
AME	A DI'	VISION STAN		INC.