WIRE COLOR SCHEME BLUE - DC CONTROL

GREEN - CHASSIS GROUND

BLUE - DC CONTROL

GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND * AC MOTOR *CUSTOMER SUPPLIED L1 (L1) (T1) 1L1 BLK (F15AI) 2L1 1F16Al 5L1 L1/R/91 3T1 (L1) (T1) 2T1 INPLIT T1/U/96 POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK | F15B| 2L2 3L2 3T2 (L2) (T2) ` (L2)<u>~ T2</u> FEEDER T2/V/97 3 PH, 208V, L2/S/92 DRIVE -[[F16B]] 5L3 L2/5/92 -[[F16C]] 5L3 L3/T/93 CIRCUIT L3 (L3) (T3) 1L3 BLK [F15C] 2L3 3L3 3T3 (L3) (T3) PROTECTION T3/W/98 (AFD) (SEE NOTE 3) DRIVE INPUT FUSES DRIVE MAIN DISCONNECT FUSES DISCONNECT M3 (L1) | (T1) (L2) | (T2) (L3) (T3)100 WHT 23 F12 163 RED 101 115VAC 115VAC 250V TO SHEET 2 TO SHEET 2 HEATER

FAN 1

1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

(1) 4 (4)

TS1

(9) (5)

- 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. 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
- HIGHER THEN PANEL LISTED AMBIENT TEMPERATURES
- ELEVATION ABOVE 3300 FEET (1000 METERS)
- LONG MOTOR LEAD LENGTHS

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. | 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 |
| | | | |
| | | | |

| 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 | DRN DTM | NAME ,N | NAME NEMA 3R,208V,2C ,MAIN & DRIVE DISC,MAIN & DRIVE FUSE ,3MB1,SINGLE MOTOR,2 FAN | | | | THE TRANE COMPANY A DIVISION OF AMERICAN STANDARD INC. |
|--------------|------------|------|--|---------|------------|--|---------------------------|------|---------|--|
| REV | ECN ECN | DATE | CONSENT OF THE TRANE COMPANY | DTM | MODEL | VLT | PAGE <u>1</u> OF <u>2</u> | SIZE | DWG 1 7 | 4N4480 |



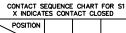
TERMINAL IDENTIFICATION

X - DRIVE TREMINAL

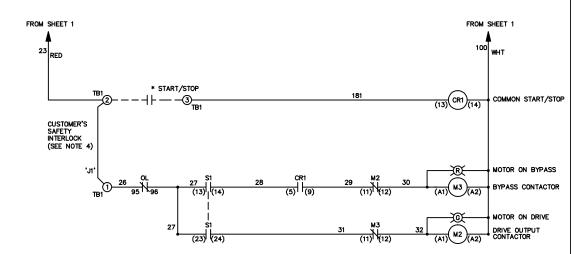
O - CUSTOMER TERMINAL

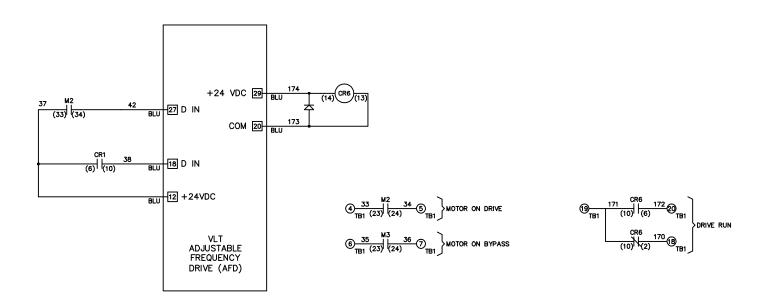
CUSTOMER DRY CONTACT RATINGS

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



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





| В | | |
|-----|------------|------|
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| DR | ECNSP09001 | 1/09 |
| REV | ECN | DATE |

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| DTM | NAME ,MAIN & | THE TRANE COMPAN A DIVISION OF AMERICAN STANDARD IN | | | |
|-----|-----------------|---|--------|--------|--------|
| DTM | MODEL VL | ,3MB1,SINGLE MOTOR, T PAGE <u>2</u> OF <u>2</u> | CIZE A | DWG 17 | 4N4480 |

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