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 5L1 L1/R/91 3<u>T1 (L1)</u> (T1) INPLIT T1/U/96 IF18AII F16A [F16B] 5L2 POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK 3T2 (L2) (T2) ` 1T2 (L2) T2 FEEDER T2/V/97 || IF188||-3 PH, 600V, L2/S/92 | 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 DS2 T3/W/98 -IIF18CII-(AFD) (SEE NOTE 3) DRIVE INPUT FUSES DRIVE *AC MOTOR 2 DISCONNECT **FUSES** DISCONNECT (SEE NOTES 6) M3 (L1) | (T1) (L2) | (T2) OL2 F19Al AT2 (L2) 12 |F19B| (L3) (T3)AT3 (L3) -IF19CII-163 RED 101 WHT X2 X3 X2 X3 115VAC_{T1} 115VAC T2 CR6 165______ TO SHEET 2 TO SHEET 2 HEATER (1) 4 (4) CR6 167 FAN 1 (9) (5) TS1

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.

NOTES:

1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- 2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- FEEDER CIRCUIT PROTECTION, INPUT POWER AND MOTOR WRING 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

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 |
| | | | |
| | | | |

| 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 | ,М | | /E DISC,MAIN & | | FUSE | A DIVISION OF AMERICAN STANDARD INC. |
| DR | ECNSP09001 | 1/09 | OUTSIDE PARTIES WITHOUT THE WRITTEN | APR | MODEL | ,510102 | 2,DUAL MOTOR,1 | 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 | 4N4301 |

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

TERMINAL IDENTIFCATION

X - DRIVE TREMINAL

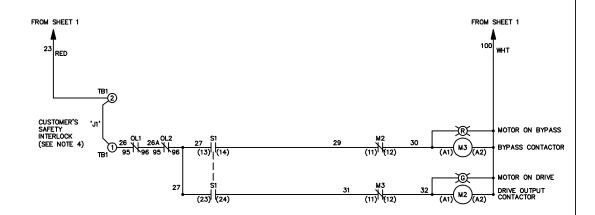
O - CUSTOMER TERMINAL

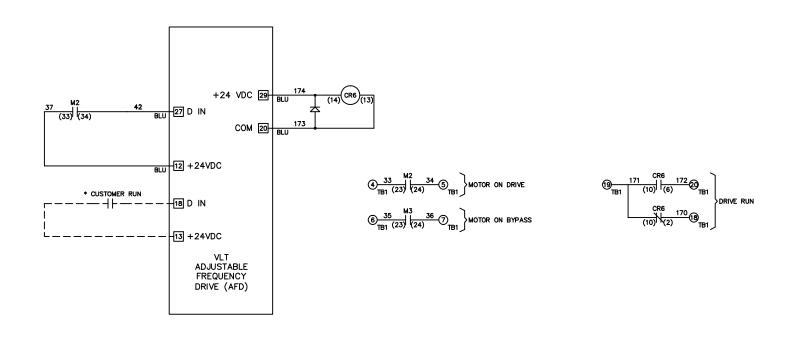
CUSTOMER DRY CONTACT RATINGS

| 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 | | | Χ | | | |
| 23-24 | Χ | | | | | |





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

| -NOTICE- |
|--|
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| DTM | ,MAIN & DRI | ME NEMA 3R,600V,2C ,MAIN & DRIVE DISC,MAIN & DRIVE FUSE ,3MB2,DUAL MOTOR,1 FAN | | |
|------------|-------------|--|------------|---------|
| apr DTM | MODEL VLT | · · · · · · | SIZE NO. 1 | 74N4301 |

| THE | TRA | NE | СОМЕ | PANY | |
|------|-------|--------------|-------|------|--|
| AMER | A DI' | VISIO STA | ON OF | INC. | |