WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE RED - AC CONTROL - DRIVE TERMINAL WHITE - AC GROUNDED - CUSTOMER TERMINAL CIRCUIT CONDUCTOR
BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND GRN / \* AC MOTOR 1  $\neg$ OL1 (SEE NOTES 6) 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER 1T1 (L1) T1 \_L1\_(<u>L1)</u>\_\_(T1) BLK 2L1 5L1 L1/R/91 VLT INPUT SUPPLIED T1/U/96 [F16A] -TF18AT-5L2 POWER ADJUSTABLE FREQUENCY 4T2 (L2) (T2) 1T2 (L2) T2 BRANCH L2 (L2) (T2) BLK 2L2 -[F18B] 3 PH, 208V, L2/S/92 T2/V/97 DRIVE |F16B| 5L3 | L2/3/92 | |F16C| 5L3 | L3/T/93 1T3 (L3) T3 CIRCUIT L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES MAIN \*AC MOTOR 2 DISCONNECT (L1) (T1) (L2) (T2) OL2 (SEE NOTES 6) 3T1 (L1) T1 3T2 (L2) T2 EARTH GROUND GRN [F19A] F19B (L3) (T3) 3T3 (L3) -[F19C] H2 H3 H4) 163 RED X3 100 WHT F12 115VAC 250V 3)\_\_\_\_ HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 1 (9) (5) 7)FAN 1 (SET: 80°F) (23) (24) TB2 TS1 TO SHEET 2 TO SHEET 2

## WARNING!

THE FOLLOWING TABLE LISTS THE PARAMETERS THAT ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS. ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED FOR YOUR APPLICATION.

# 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 THAN DRIVE DEFAULT
- 5.2. HIGHER THAN 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 - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.   | DRN  | NAME  | NE       | EMA 3R,208V,2C            |      |         | - Les         |
|-----|---------|-------|--|------|-------|----------|---------------------------|------|---------|---------------|
| Α   | SP10119 | 11/10 | IT IS LOANED BY DANFOSS DRIVES SUBJECT TO THE CONDITIONS THAT IT AND THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD AND REFERENCE PURPOSES. SHALL NOT BE USED OR CAUSED TO BE USED | DIM  |       |          | N DISC, DRIVE FU          |      |         | Janjoso       |
| DR  | SP10076 |       | IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED   | APR  | MODEL | ,JIVIB I | ,DUAL MOTOR,1             | FAN  | DW0 4 0 |               |
| REV | ECN     | DATE  | TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.  | D TM | MODEL | VLT      | PAGE <u>1</u> OF <u>2</u> | SIZE | DWG 18  | <u>58000/</u> |

WIRE COLOR SCHEME
BLACK — LINE VOLTAGE
RED — AC CONTROL
WHITE — AC GROUNDED

CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND

### TERMINAL IDENTIFCATION

- DRIVE TERMINAL

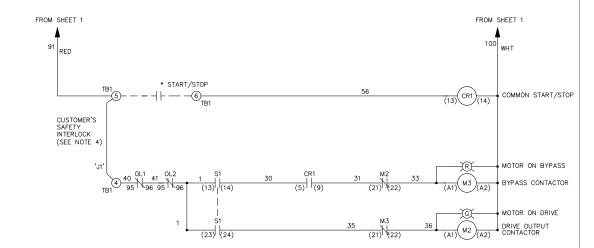
CUSTOMER TERMINAL

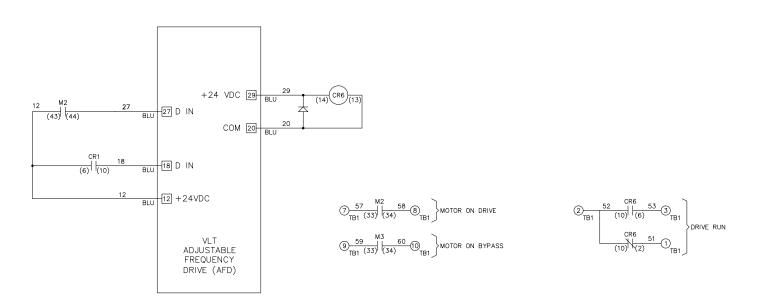
#### CUSTOMER DRY CONTACT RATINGS

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

#### CONTACT SEQUENCE CHART FOR S1 X INDICATES CONTACT CLOSED

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





| В   |         |       |
|-----|---------|-------|
| Α   | SP10119 | 11/10 |
| DR  | SP10076 | 09/10 |
| REV | ECN     | DATE  |

- NOTICE 
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| 0 | DRN | D TM |
|---|-----|------|
|   | APR |      |

DTM

MODEL

NAME NEMA 3R,208V,2C ,MAIN DISC, DRIVE FUSE ,3MB1,DUAL MOTOR,1 FA

VLT

| _101/1 311,2000,20 |    |    |
|--------------------|----|----|
| N DISC, DRIVE FUS  | SE | Do |
| ,DUAL MOTOR,1 F    | AN |    |

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