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

INPUT

3 PH, 480V,

60Hz

POWER

TERMINAL IDENTIFICATION

- X DRIVE TERMINAL
- X CUSTOMER TERMINAL

EARTH GROUND EARTH GROUND GRN * AC MOTOR 1 HOL1 (SEE NOTES 6) *CUSTOMER SUPPLIED 1T1 (L1) X T1 3L1 VLT 2T1 L1/R/91 IF16AII-T1/U/96 F18A ADJUSTABLE FREQUENCY 1L2 1T2 (L2) T2 FEEDER BLK 2T2 L2/S/92 T2/V/97 F18B DRIVE CIRCUIT 1T3 (L3) T3 BLK 2T3 PROTECTION L3/T/93 T3/W/98 -TF18CT-(AFD) (SEE NOTE 3) CB1 DRIVE INPUT FUSES CIRCUIT *AC MOTOR 2 BREAKER OL2 (SEE NOTES 6) 3T1 (L1) <u>T1</u> EARTH GROUND GRN F19A 3T2 (L2) T2 -TF19BI 3T3 (L3) X T3 F19C * CUSTOMER RUN 163 RED X2 100 WHT -18 D IN -| F12 | 115VAC CUSTOMER DRY CONTACT RATINGS CR6 -13 +24VDC HEATER (SET: 65° F) CONTACT RATING (12) 5 (11) TS1 CR6 5A @ 120VAC 167 +24 VDC 29 2) FAN 1 (SET: 80° F) (9) (5) 1/10 HP @ 120VAC OL2 27 (23) (24) TB2 TS1 95 FAN 2 TB1 12 +24VDC 2)FAN 3 TB2 CUSTOMER'S SAFETY INTERLOCK VLT (SEE NOTE 4) **ADJUSTABLE** WARNING! DRIVE RUN FREQUENCY THE FOLLOWING TABLE LISTS THE PARAMETERS THAT DRIVE (AFD) ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS. ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED

DRIVE PARAMETER SETTINGS

RELAY

CR6

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

FOR YOUR APPLICATION.

NOTES:

- 1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 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.
- REPLACE JUMPER 'J1' WITH NORMALLY CLOSED SAFETY INTERLOCK CONTACT AS NECESSARY.
- 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
- ELEVATION ABOVE 3300 FEET (1000 METERS)
- LONG MOTOR LEAD LENGTHS
- 6. WHEN MOTOR OVERLOADS SIZES ARE DIFFERENT, MOTOR 1 WILL BE THE LARGER OF THE TWO MOTORS

| A SP10119 11/10 DR SP10076 09/10 REV ECN DATE A SP10119 11/10 DR SP10076 DATE AND REFERENCE PURPOSES, SHALL NOT BE USED ON CAUSED TO BE USED ONLY FOR RECORD IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL NOT BE REFPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND REFERENCE PURPOSES, SHALL NOT BE USED ON CAUSED TO BE USED ON CAUSED | В | | | - NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES. | DRN | NAME | | EMA 3R,480V,NB | | - Lu |
|--|-----|---------|-------|--|-----|----------------------|-----|---|----------------|--------|
| DR SP10076 09/10 IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED NOT BE REPRODUCED OR COPIED IN WHOLE OR COPIED | А | SP10119 | 11/10 | THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD | DIM | ,MAIN CB ,DRIVE FUSE | | | Janjuos | |
| DEV FON DATE TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES ///// VLT PAGE 1 OF 1 3/22 A NO X DATE | DR | SP10076 | 09/10 | IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL | APR | | | | | |
| | REV | ECN | DATE | TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES | D/M | WOOLL | VLT | PAGE $\underline{1}$ OF $\underline{1}$ | / \ NO C \ | 287132 |