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_(L1) ~ (T1) BLK 2L1 5L1 VLT INPUT SUPPLIED L1/R/91 T1/U/96 [F16A] -TF18AT-5L2 POWER ADJUSTABLE FREQUENCY 4T2 (L2) (T2) 1T2 (L2) T2 FEEDER L2 (L2) T15B] (T2) BLK 2L2 -[F18B]}-3 PH, 600V, L2/S/92 T2/V/97 DRIVE |F16B| 5L3 | L2/3/92 | |F16C| 5L3 | L3/T/93 1T3 (L3) T3 CIRCUIT L3 (L3) - IF15CII (T3) BLK 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES DISCONNECT *AC MOTOR 2 (SEE NOTES 6) (L1) (T1) (L2) (T2) OL2 3T1 (L1) T1 3T2 (L2) T2 EARTH GROUND GRN [F19A] F19B (L3) (T3) 3T3 (L3) -[F19C] 163 RED 100 WHT F12 X2 X3 250V 115VAC T2 3)____ (12) (4) 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.

DTES:

- 1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
 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 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 | | EMA 3R,600V,2C | - Les |
|-----|---------|-------|--|------|-------|-----------------|--|---------|
| А | 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 | | | USE DISC, DRIVE FUSE I.DUAL MOTOR.1 FAN | Janyooo |
| 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 | APR | MODEL | , , , , , , , , | CIZE . DWC 4 C | |
| REV | ECN | DATE | TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST. | D TM | MODEL | VLT | PAGE 1 OF 2 SIZE A NO. 18 | 5BU/U9 |

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

WHITE - AC GROUNDED CIRCUIT CONDUCTOR BLUE - DC CONTROL GREEN - CHASSIS GROUND

TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

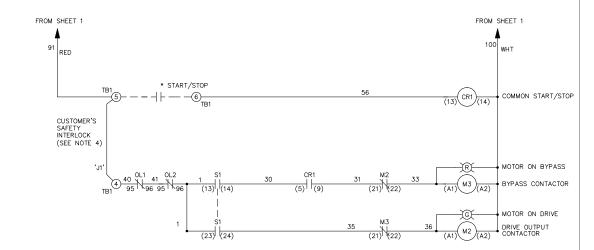
CUSTOMER TERMINAL

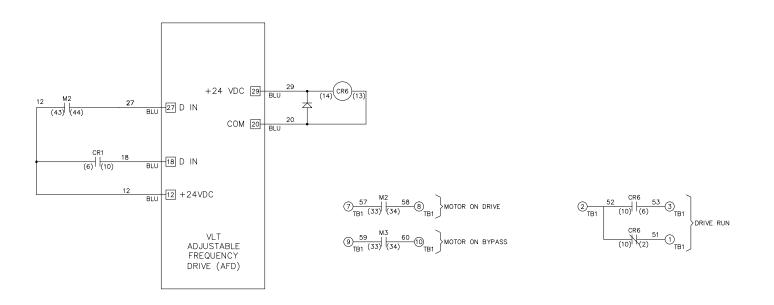
CUSTOMER DRY CONTACT RATINGS

| RELAY | CONTACT RATING |
|----------|---------------------------------|
| CR1, CR6 | 5A @ 120VAC 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 | | | Х | |
| 23-24 | X | | | |





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

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AND SHALL BE RETURNED UPON REQUEST.

| DRN | D TM | |
|-----|------|---|
| APR | | L |

DTM

NAME NEMA 3R,600V,2C ,MAIN FUSE DISC, DRIVE FUSE ,3MB1,DUAL MOTOR,1 FAN



MODEL VLT PA

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PWG 185B0709