WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE - DRIVE TERMINAL RED - AC CONTROL WHITE - AC GROUNDED - CUSTOMER TERMINAL CIRCUIT CONDUCTOR
BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND GRN / * AC MOTOR 1 \mathcal{T} OL1 (SEE NOTES 6) 4T1 (L1) M2 (T1) 2T1 *CUSTOMER 1T1 (L1) ______T1_ L1 (L1) (T1) 1L1 BLK [F15A] 2L1 (U1) (U2) 4L1 (F16A) 5L1 (L1/R/91 VLT INPUT SUPPLIED T1/U/96 -TF18AT-POWER (V1) (V2) 4L2 ||F16B|| 5L2 ||L2/S/92 ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK |F15B| 2L2 4T2 (L2) (T2) 1T2 (L2) T2 FEEDER -[F18B]}-T2/V/97 3 PH, (W1) (W2) 4L3 |F16C| 5L3 |L2/5/92 |L3/T/93 DRIVE CIRCUIT 1T3 (L3) T3 480V, L3 (L3) (T3) 1L3 BLK ||F15C|| 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES MAIN *AC MOTOR 2 DISCONNECT **FUSES** REACTOR (L1) (T1) (L2) (T2) OL2 (SEE NOTES 6) 3T1 (L1) T1 3T2 (L2) T2 EARTH GROUND GRN [F19A] F19B (L3) (T3) 3T3 (L3) -[F19C] GRN CROUND 163 RED X2 100 WHT F12 115VAC 250V CR6 3)_____ (12) 5 (11) TS1 (12) (4) HEATER (SET: 65° F) CR6 166 167 (9) (5) (2) FAN 1 (SET: 80° F) (23) (24) TB2 TS1 FAN 2 2)FAN 3 TB2 FAN 4 WARNING! THE FOLLOWING TABLE LISTS THE PARAMETERS THAT ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS. ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED TO SHEET 2 TO SHEET 2 FOR YOUR APPLICATION. DRIVE PARAMETER SETTINGS 1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER. 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
- HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- 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

| PARAMETER # | NAME | SETTING | VALUE |
|-------------|-----------------------|---------|--------------------|
| 0-02 | 0-02 MOTOR SPEED UNIT | | 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 | NI | EMA 3R,480V,2C | The less |
|-----|---------|-------|--|------|-------|-----------|---|----------|
| 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 | D TM | | • | SC, MAIN & DRIVE FUSE | Janjuos |
| DR | SP10076 | 09/10 | IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL | APR | | ,314151,1 | R,DUAL MOTOR,4 FAN | |
| REV | ECN | DATE | NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST. | D TM | MODEL | VLT | PAGE $\underline{1}$ OF $\underline{2}$ $\left \begin{array}{c} SIZE \land \\ NO \end{array} \right \left[\begin{array}{c} DWG \\ NO \end{array} \right] \left[\begin{array}{c} SIZE \land \\ NO \end{array} \right]$ | 35B1984 |

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

CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND

TERMINAL IDENTIFICATION

X - DRIVE TERMINAL

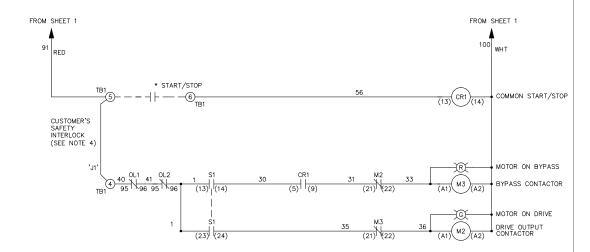
CUSTOMER TERMINAL

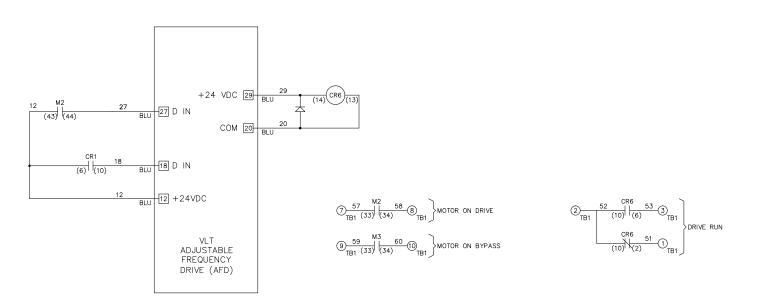
CUSTOMER DRY CONTACT RATINGS

| 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

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





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

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|) | DRN | D TM |
|---|-----|------|
| | | |

DTM

NAME NEMA 3R,480V,2C , MAIN DISC, MAIN & DRIVE FUSE ,3MB1,IR,DUAL MOTOR,4 FAN



MODEL VLT PAGE 2 OF 2 SIZE A NO. 185B1984