WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE X - 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 H(SEE NOTES 6) OL1 4T1 (L1) M2 (T1) 2T1 *CUSTOMER 1T1 (L1) X T1 L1 (L1) (T1) BLK 2L1 (L1) (T1) 3L1 5L1 VLTINPUT SUPPLIED [F16A] L1/R/91 T1/U/96 -TF18AT POWER ADJUSTABLE FREQUENCY BLK 2L2 (L2) (T2) 3L2 5L2 4T2 (L2) (T2) 1T2 (L2) T2 BRANCH L2 (L2) (T2) [F16B] 3 PH, 208V, L2/S/92 T2/V/97 F18B DRIVE 1T3 (L3) T3 CIRCUIT L3 (L3) (T3) BLK 2L3 (L3) (T3) 3L3 4T3 (L3) (T3) PROTECTION L3/T/93 T3/W/98 -TF18CT (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES MAIN *AC MOTOR 2 DISCONNECT M3 (L1) (T1) (L2) (T2) OL2 (SEE NOTES 6) 3T1 (L1) T1 3T2 (L2) T2 EARTH GROUND GRN F19A F19B (L3) 3T3 (L3) (T3) F19C 163 RED X3 100 WHT F12 115VAC HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 (9) (5) 7) FAN 1 (SET: 80° F) TB2 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.
- 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.
- 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)
- 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		
Α	SP10119	11/10
DR	SP10076	09/10
REV	ECN	DATE

- NOTICE -THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES. 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 IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL 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.

drn <i>D TM</i>	NAME
APR	1
DTM	MODEL

D TM

NEMA 3R,208V,3C ,MAIN DISC, DRIVE FUSE ,3MB1,DUAL MOTOR,1 FAN

VLT

PAGE <u>1</u> OF <u>2</u>



CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND

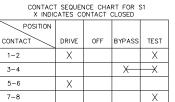
TERMINAL IDENTIFCATION

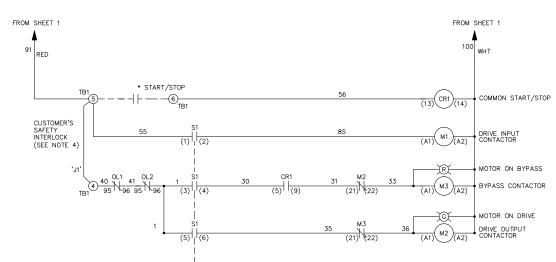
- DRIVE TERMINAL

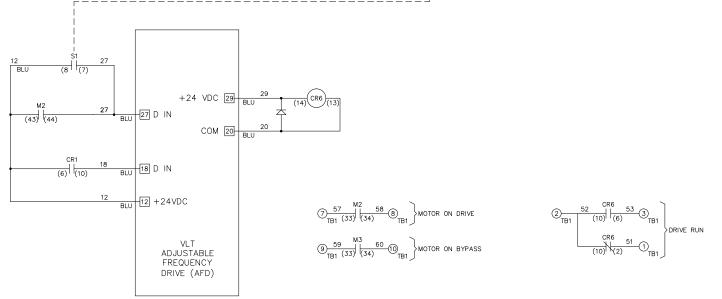
CUSTOMER TERMINAL

CUSTOMER DRY CONTACT RATINGS

RELAY	CONTACT RATING	
CR1, CR6	5A @ 120VAC 1/10 HP @ 120VAC	
M1, M2, M3	10A @ 120/240VAC	







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

- NOTICE
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.
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
IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL
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.

DRN D TM	NAME
APR	

DTM

NEMA 3R,208V,3C ,MAIN DISC, DRIVE FUSE ,3MB1,DUAL MOTOR,1 FAN

Danfoss

MODEL VLT PAGE 2 OF 2

| A

DWG 185B0151