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 HOL1 (SEE NOTES 6) 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER 1T1 (L1) \_\_\_\_\_\_T1\_ \_L1\_(L1)\_\\_\_(T1) 3L1 (U1) (U2) 4L1 (F16A) 5L1 L1/R/91 VLT INPUT SUPPLIED T1/U/96 -TF18AT-POWER 3L2 (V1) (V2) 4L2 [F16B] 5L2 L2/S/92 ADJUSTABLE FREQUENCY 4T2 (L2) (T2) 1T2 (L2) T2 BRANCH L2 (L2) (T2) BLK 2L2 -[F18B] 3 PH, 208V, T2/V/97 3L3 (W1) (W2) 4L3 ||F16C|| 5L3 ||L2/5/92 ||L3/T/93 || DRIVE CIRCUIT 1T3 (L3) T3 L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES DRIVE MAIN \*AC MOTOR 2 DISCONNECT DISCONNECT 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] H2 H3 H4 163 RED X3 100 WHT F12 115VAC 250V CR6 (12) 5 (11) TS1 (12) (4) HEATER (SET: 65° F) CR6 166 167 2)FAN 1 (SET: 80° F) (9) (5) (23) (24) TB2 TS1 FAN 2 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.

### OTES:

- 1. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
  2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 3. BRANCHCIRCUIT 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,208V,2C		- Luc
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	D TM			DRIVE DISC, DRIV		Janjoss
DR	SP10076	09/10	AND REFERENCE PURPOSES, SHALL NOT BE USED OR CAUSED TO BE USED IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL	APR	11005	,3MB1,I	R,DUAL MOTOR,2	F AN	
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 <u>1</u> OF <u>2</u>	SIZE	no. 185B09/6

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

CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND

# TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

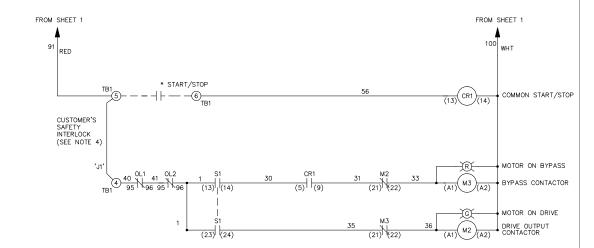
CUSTOMER TERMINAL

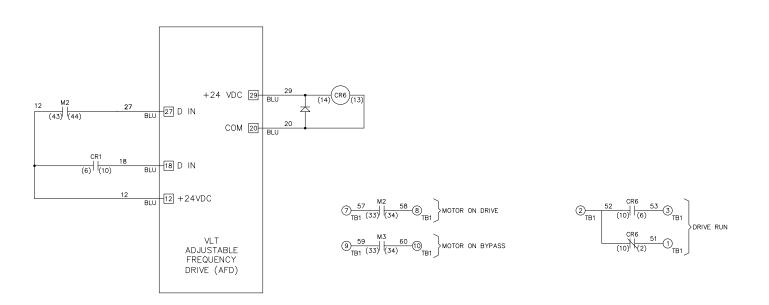
## CUSTOMER DRY CONTACT RATINGS

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 CLOSED				
POSITION				
CONTACT	DRIVE	OFF	BYPASS	
13-14			Χ	
23-24	X			





В		
Α	SP10119	11/10
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REV	ECN	DATE

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DRN	NAME	N
D TM		,MAIN &
		,3MB1,
A D D		, , , , ,

MODEL

DTM

NEMA 3R,208V,2C ,MAIN & DRIVE DISC, DRIVE FUSE ,3MB1,IR,DUAL MOTOR,2 FAN



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