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 HOL1 (SEE NOTES 6) 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER 1T1 (L1) <u>T1</u> L1 (L1) (T1) BLK 2L1 5L1 VLT INPUT SUPPLIED T1/U/96 [F16A] L1/R/91 F18A 5L2 POWER ADJUSTABLE FREQUENCY 4T2 (L2) (T2) 1T2 (L2) T2 FEEDER L2 (L2) (T2) BLK 2L2 -[F18B] 3 PH, 208V, L2/S/92 T2/V/97 DRIVE 1T3 (L3) T3 CIRCUIT L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) PROTECTION L3/T/93 T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES DISCONNECT \*AC MOTOR 2 (L1) (T1) (L2) (T2) OL2 (SEE NOTES 6) 3T1 (L1) T1 3T2 (L2) T2 EARTH GROUND GRN [F19A] (T2 T3 F19B 3T3 (L3) (L3) (T3) -[F19C] H2 H3 H4) 163 RED X3 100 WHT -| F12 |-115VAC 250V (12) 5 (11) TS1 (3)\_\_\_\_\_ HEATER (SET: 65° F) CR6 167 (1)-2)FAN 1 (SET: 80° F) (9) (5) (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.

#### DRIVE PARAMETER SETTINGS

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

## NOTES:

- 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

В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME	NE	EMA 3R,208V,2C	To 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	D TM		•	USE DISC, DRIVE FUSE	Janjuos
DR	SP10076	09/10	IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL	APR		, , , , , , , , , , , , , , , , , , ,	DUAL MOTOR,1 FAN	_
	01 10070	00/10	NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED	$\cap TM$	MODEL	\	Bloom of SIZE A   DWG 1 🔘	500010
REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	DTW		VLI	PAGE $1$ OF $2$ STEA NO. $ 8 $	380019

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

## TERMINAL IDENTIFICATION

X - DRIVE TERMINAL

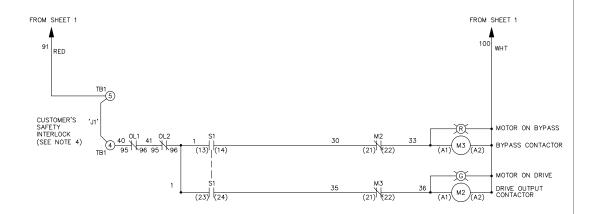
 $\overline{\otimes}$ - CUSTOMER TERMINAL

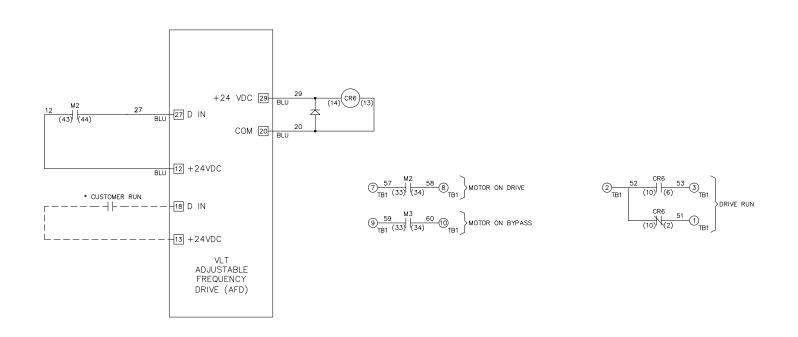
#### CUSTOMER DRY CONTACT RATINGS

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

# CONTACT SEQUENCE CHART FOR S1

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





В		
Α	SP10119	11/10
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DRN	NAME
D TM	
A D D	

DTM

MODEL

VLT

NEMA 3R,208V,2C ,MAIN FUSE DISC, DRIVE FUSE ,3MB,DUAL MOTOR,1 FAN

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