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) X T1 L1 (L1) (T1) 1L1 BLK (F15A) 2L1 (U1) (U2) 4L1 (F16A) 5L1 (L1/R/91 VLT INPUT SUPPLIED T1/U/96 -TF18AT-POWER L2 (L2) (T2) 1L2 BLK |F15B| 2L2 3L2 (V1) (V2) 4L2 [F16B] 5L2 L2/S/92 ADJUSTABLE FREQUENCY 4T2 (L2) (T2) 1T2 (L2) T2 FEEDER -[F18B] 3 PH, 240V, T2/V/97 3L3 (W1) (W2) 4L3 ||F16C|| 5L3 ||L2/5/92 ||L3/T/93 || DRIVE 1T3 (L3) T3 CIRCUIT L3 (L3) (T3) 1L3 BLK [F15C] 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES DRIVE MAIN MAIN LINE \*AC MOTOR 2 DISCONNECT DISCONNECT **FUSES** REACTOR (L1) (T1) (L2) (T2) OL2 (SEE NOTES 6) 3T1 (L1) T1 3T2 (L2) T2 EARTH GROUND GRN [F19A] (T2 T3 F19B (L3) (T3) 3T3 (L3) F19C 163 RED X2 100 WHT F12 115VAC 250V CR6 3<u>—</u> TB2 (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 166 167 2) FAN 1 (SET: 80° F) (9) (5) (23) (24) TB2 TS1 FAN 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	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

## 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:

TO SHEET 2

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,240V,2C			- Lu
Α	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	,M⊅		E DISC, MAIN &		FUSE	Janjuos
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	,3MB,1F	R,DUAL MOTOR,2 	FAIN SIZE A	DWG 4 O	
REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	DIM	WODEL	VLT	page <u>1</u> of <u>2</u>	SIZE A	NO. 18	5B1162

WIRE COLOR SCHEME BLUE - DC CONTROL

GREEN - CHASSIS GROUND

BLUE - DC CONTROL

GREEN - CHASSIS GROUND

### TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

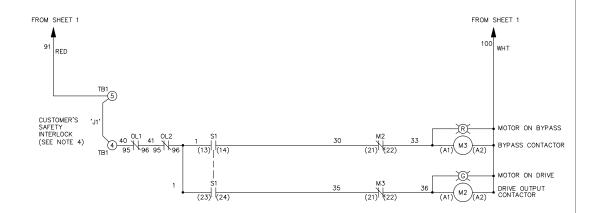
 $\overline{\otimes}$ - CUSTOMER TERMINAL

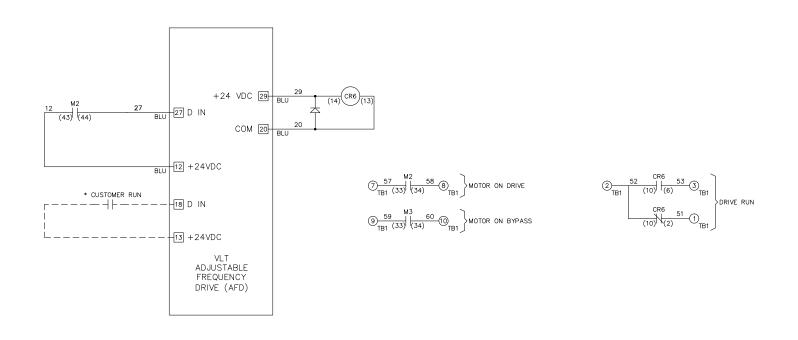
#### CUSTOMER DRY CONTACT RATINGS

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

# CONTACT SEQUENCE CHART FOR S1

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





В		
Α	SP10119	11/10
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DRN	NAME	
D TM	,MAIN	1 & 1
		31
		, 01

DTM

NEMA 3R,240V,2C DRIVE DISC, MAIN & DRIVE FUSE SMB,IR,DUAL MOTOR,2 FAN



MODEL PAGE <u>2</u> OF <u>2</u> VLT