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 H(SEE NOTES 6) OL1 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER 1T1\_(L1)\_X\_T1\_ (U1) (U2) 4L1 (F16A) VLTINPUT SUPPLIED L1/R/91 T1/U/96 -TF18AT POWER (V1) (V2) 4L2 (F16B) 5L2 ADJUSTABLE FREQUENCY 4T2 (L2) (T2) 1T2 (L2) T2 FEEDER L2 BLK 2L2 3L2 3 PH, 600V, L2/S/92 T2/V/97 F18B DRIVE CIRCUIT BLK 2L3 4T3 (L3) (T3) 1T3 (L3) PROTECTION T3/W/98 -TF18CT-0-(AFD) 60Hz (SEE NOTE 3) CB1 INPUT DRIVE INPUT FUSES DRIVE CIRCUIT \*AC MOTOR 2 DISCONNECT REACTOR BREAKER (L1) M3 (T1) OL2 (SEE NOTES 6) 3T1 (L1) T1 F19A GROUND GRN 3T2 (L2) 12 (L2) (T2) F19B (L3) 3T3 (L3) (T3) F19C 163 RED 100 WHT F12 X2 X3 115VAC T2 (12) (4) HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 7) FAN 1 (SET: 80° F) (9) (23) (24) TB2 TS1 FAN 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.

#### IOTES:

- \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
   REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 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

### 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		
А	SP10119	11/10
DR	SP10076	09/10
REV	ECN	DATE

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TO SHEET 2

NAME NEMA 3R,600V,2C ,MAIN CB, DRIVE DISC, DRIVE FUSE ,3MB1,IR,DUAL MOTOR,2 FAN

Danfoss

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

WHITE — AC GROUNDED
CIRCUIT CONDUCTOR
BLUE — DC CONTROL
GREEN — CHASSIS GROUND

# TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

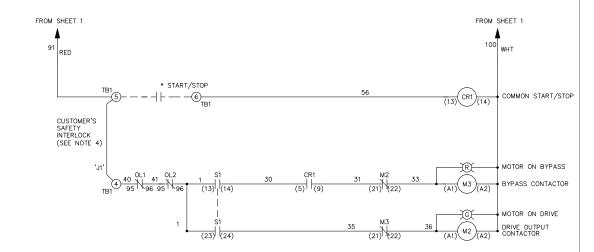
CUSTOMER TERMINAL

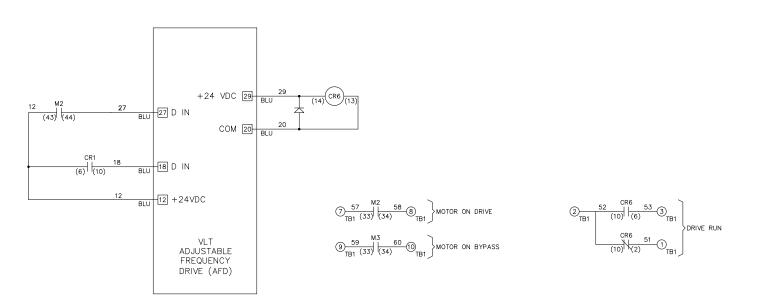
## CUSTOMER DRY CONTACT RATINGS

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

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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NAME NEMA 3R,600V,2C ,MAIN CB, DRIVE DISC, DRIVE FUSE ,3MB1,IR,DUAL MOTOR,2 FAN

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MODEL

VLT

I SIZE A

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