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 H\* AC MOTOR OL 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER BLK 2L1 5L1 VLT (L1)<sub>X</sub> T1 INPUT SUPPLIED T1/U/96 [F16A] L1/R/91 POWER ADJUSTABLE FREQUENCY 5L2 4T2 (L2) (T2) (L2) T2 FEEDER BLK 2L2 [F16B] 3 PH, 600V, L2/S/92 T2/V/97 DRIVE CIRCUIT (L3)<u>~ T3</u>. BLK 2L3 4T3 (L3) (T3) PROTECTION L3/T/93 T3/W/98 (AFD) 60Hz (SEE NOTE 3) CB1 DRIVE INPUT FUSES CIRCUIT BREAKER (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED 100 WHT F12 X2 X3 115VAC T2 HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 (9) (5) (2) FAN 1 (SET: 80° F) (23) (24) TB2 TS1 FAN 2 2)FAN 3 FAN 4 WARNING! THE FOLLOWING TABLE LISTS THE PARAMETERS THAT ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS. ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED TO SHEET 2 TO SHEET 2 FOR YOUR APPLICATION.

## NOTES:

- \* 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:
- HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT
- HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- ELEVATION ABOVE 3300 FEET (1000 METERS)
- LONG MOTOR LEAD LENGTHS

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DRIVE	PARAMETER	SE LIINGS

PARAMETER #	NAME	SETTING	VALUE
0-02	MOTOR SPEED UNIT	1	HZ
0-03	REGIONAL SETTINGS	1	NORTH AMERICA
1-03	TORQUE CHAR.	3	AUTO ENERGY OPTIM VT
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

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DRN	D TM	NAME
APR		
AFK	$\cap TM$	MODEL

DTM

NEMA 3R,600V,2C ,MAIN CB ,DRIVE FUSE ,3MB,SINGLE MOTOR,4 FAN



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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

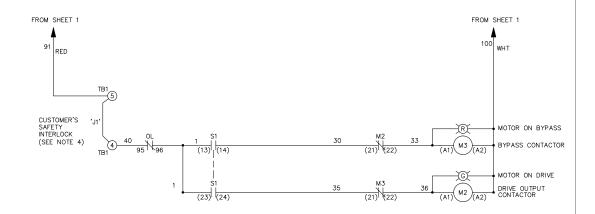
 $\overline{\otimes}$ - CUSTOMER TERMINAL

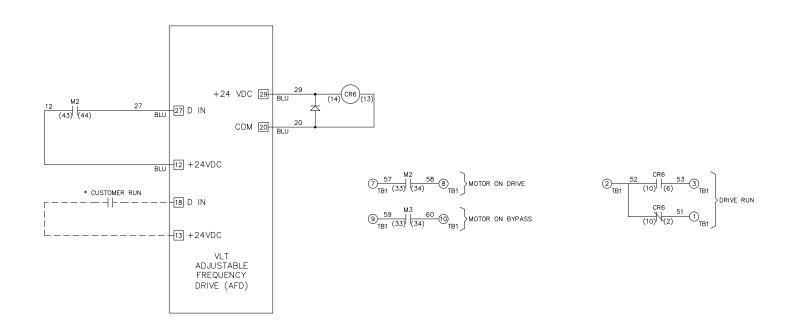
## CUSTOMER DRY CONTACT RATINGS

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

## CONTACT SEQUENCE CHART FOR S1

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





В		
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)	DRN	D TM
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DTM

NAME NEMA 3R,600V,2C ,MAIN CB ,DRIVE FUSE ,3MB,SINGLE MOTOR,4 FAN



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