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 H4T1 (L1) (T1) 2T1 (SEE NOTES 6) OL1 *CUSTOMER 1<u>T1 (L1)</u> X_T1 L1 (L1) (T1) 1L1 BLK [F15A] 2L1 VLTINPUT SUPPLIED [F16A] L1/R/91 T1/U/96 -[F18A] POWER ADJUSTABLE FREQUENCY 5L2 4T2 (L2) (T2) 1T2 (L2) T2 FEEDER L2 (L2) (T2) 1L2 BLK [F15B] 2L2 3 PH, 600V, [F16B] L2/S/92 T2/V/97 F18B DRIVE CIRCUIT L3 (L3) (T3) 1L3 BLK |F15C|| 2L3 4T3 (L3) (T3) 1T3 (L3) PROTECTION L3/T/93 T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES MAIN *AC MOTOR 2 DISCONNECT **FUSES** (L1) M3 (T1) OL2 (SEE NOTES 6) 3T1 (L1) T1 EARTH GROUND GRN F19A 3T2 (L2) T2 (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 (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. DRIVE PARAMETER SETTINGS 1. * 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:
- 5.1. HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT
- HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- 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

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		
Α	SP10119	11/10
DR	SP10076	09/10
REV	ECN	DATE

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DRN D <i>TM</i>		NAME	
APR			
4F IX	$\cap TM$	MODEL	

VLT

DTM

NEMA 3R,600V,2C , MAIN DISC, MAIN & DRIVE FUSE ,3MB1,DUAL MOTOR,4 FAN



DWG PAGE 1 OF 2 NO.

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

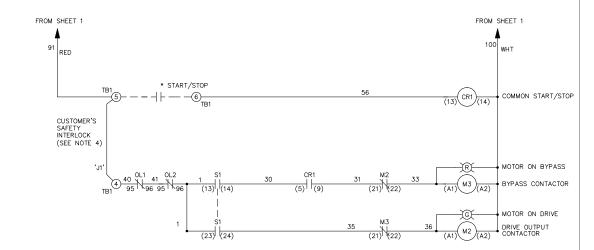
CUSTOMER TERMINAL

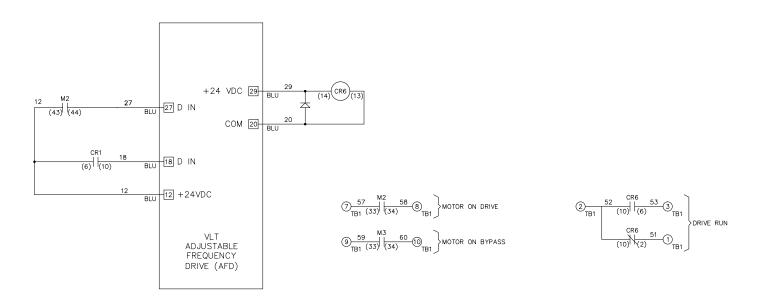
CUSTOMER DRY CONTACT RATINGS

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





В		
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)	DRN D <i>TM</i>	NAME
	APR	

DTM

NEMA 3R,600V,2C , MAIN DISC, MAIN & DRIVE FUSE ,3MB1,DUAL MOTOR,4 FAN



MODEL VLT PAGE 2 OF 2 SIZE A DWG 185B2155