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

INPUT

3 PH, 600V,

POWER

*CUSTOMER SUPPLIED

FEEDER

PROTECTION

(SEE NOTE 3)

RELAY

CR6

CIRCUIT

TERMINAL IDENTIFICATION

- X DRIVE TERMINAL
- X CUSTOMER TERMINAL

EARTH GROUND EARTH GROUND GRN * AC MOTOR 1 HOL1 (SEE NOTES 6) 1T1 (L1) X T1 BLK (U1) (U2) 2L1 (F16A) 3L1 VLT 2T1 L1/R/91 1 2 1L2 T1/U/96 F18A BLK (V1) (V2) 2L2 ||F16B|| 3L2 ADJUSTABLE FREQUENCY 1T2 (L2) T2 2T2 L2/S/92 T2/V/97 F18B DRIVE BLK (W1) (W2) 2L3 [F16C] 3L3 1T3 (L3) T3 2T3 L3/T/93 T3/W/98 -TF18CT-(AFD) CB1 DRIVE INPUT FUSES INPUT CIRCUIT *AC MOTOR 2 REACTOR BREAKER OL2 (SEE NOTES 6) 3T1 (L1) <u>T1</u> EARTH GROUND GRN F19A 3T2 (L2) T2 -TF19BI 3T3 (L3) X T3 F19C * CUSTOMER RUN 163 RED 100 WHT -18 D IN -| F12 | X2 X3 250V 115VAC T2 CUSTOMER DRY CONTACT RATINGS -13 +24VDC (12) (4) HEATER (SET: 65° F) CONTACT RATING (12) 5 (11) TS1 CR6 5A @ 120VAC 167 +24 VDC 29 (14) CR6 2) FAN 1 (SET: 80° F) (9) (5) 1/10 HP @ 120VAC (23) (24) TB2 27 TS1 95 FAN 2

TB1

CUSTOMER'S SAFETY INTERLOCK

(SEE NOTE 4)

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.
- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.

12 +24VDC

VLT

ADJUSTABLE

FREQUENCY

DRIVE (AFD)

DRIVE RUN

- 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.
- REPLACE JUMPER 'J1' WITH NORMALLY CLOSED SAFETY INTERLOCK CONTACT AS NECESSARY.
- 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
- ELEVATION ABOVE 3300 FEET (1000 METERS)
- LONG MOTOR LEAD LENGTHS
- 6. WHEN MOTOR OVERLOADS SIZES ARE DIFFERENT, MOTOR 1 WILL BE THE LARGER OF THE TWO MOTORS

A SP10119 11/10 IT IS LOANED BY DANFOSS DRIVES SUBJECT TO THE CONDITIONS THAT IT AND LOCAL THE INFORMATION EMBODIED THEREIN SHALL BE USED ON CAUSED TO BE US	- Lu
	Janjuss
DR SP10076 09/10 IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL APR MODEL SIZE A DWG 1 OF	
REV ECN DATE TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES DTM WODEL VLT PAGE 1 OF 1 SIZE NO. 1 SIZE	281000