WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE X - DRIVE TERMINAL RED - AC CONTROL WHITE - AC GROUNDED X - CUSTOMER TERMINAL CIRCUIT CONDUCTOR
BLUE - DC CONTROL EARTH GROUND EARTH GROUND GRN * AC MOTOR 1 HOL1 (SEE NOTES 6) *CUSTOMER 1<u>T1 (L1)</u> <u>X. T1</u> L1 (L1) (T1) 1L1 BLK (U1) (U2) 2L1 (F16A) 3L1 VLT 2T1 INPUT SUPPLIED L1/R/91 T1/U/96 F18A POWER BLK (V1) (V2) 2L2 ||F16B|| 3L2 ADJUSTABLE FREQUENCY 1T2 (L2) T2 BRANCH L2 (L2) (T2) 1L2 2T2 3 PH, 600V, L2/S/92 T2/V/97 F18B DRIVE CIRCUIT BLK (W1) (W2) 2L3 [F16C] 3L3 1T3 (L3) T3 L3 (L3) (T3) 1L3 2T3 PROTECTION L3/T/93 T3/W/98 -TF18CT-(AFD) (SEE NOTE 3) DRIVE INPUT FUSES INPUT MAIN *AC MOTOR 2 DISCONNECT REACTOR 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 115VAC T2 CUSTOMER DRY CONTACT RATINGS -13 +24VDC (12) (4) HEATER (SET: 65° F) RELAY CONTACT RATING (12) 5 (11) TS1 CR6 5A @ 120VAC 167 +24 VDC 29 (14) CR6 2) FAN 1 (SET: 80° F) CR6 (9) (5) 1/10 HP @ 120VAC (23) (24) TB2 27 TS1 95 COM 20 FAN 2 TB1 12 +24VDC 2)FAN 3 TB2 CUSTOMER'S SAFETY INTERLOCK VLT (SEE NOTE 4) **ADJUSTABLE** WARNING! FREQUENCY DRIVE (AFD)

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	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.

DRIVE RUN

- 3. BRANCHCIRCUIT 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.
- 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
- 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

B THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.		NAME		EMA 3R,600V,NB			The second	
A 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	,MAIN DISC, DRIVE FUSE ,IR,DUAL MOTOR,4 FAN				Janjuos		
DR SP10076 09/10 IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL APR		MODEL	,111,12	TOAL MOTOR, 4 T	CIZE . DI	WC 4 O		
REV ECN DATE TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	DTM	WIODEL	VLT	page <u>1</u> of <u>1</u>	SIZE A N	ö. 8	5BZZ96	