WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE X - 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 HOL1 (SEE NOTES 6) 4T1 (L1) M2 (T1) 2T1 *CUSTOMER 1T1 (L1) <u>T1</u> L1 (L1) (T1) 1L1 BLK [F15A] 2L1 5L1 L1/R/91 VLT INPUT SUPPLIED T1/U/96 [F16A] -TF18AT-______5L2 POWER L2 (L2) (T2) 1L2 BLK |F15B| 2L2 ADJUSTABLE FREQUENCY (L2) (T2) 3L2 4T2 (L2) (T2) 1T2 (L2) T2 FEEDER -[F18B] 3 PH, 600V, L2/S/92 T2/V/97 |F16B| 5L3 | L2/3/92 | |F16C| 5L3 | L3/T/93 DRIVE 1T3 (L3) T3 CIRCUIT L3 (L3) (T3) 1L3 BLK | F15C| 2L3 (L3) (T3) 3L3 4T3 (L3) (T3) PROTECTION T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES MAIN MAIN *AC MOTOR 2 DISCONNECT **FUSES** (SEE NOTES 6) (L1) (T1) (L2) (T2) OL2 3T1 (L1) T1 3T2 (L2) T2 EARTH GROUND GRN [F19A] F19B 3T3 (L3) (L3) (T3) -[F19C] 163 RED 100 WHT - F12 X2 X3 250V 115VAC T2 (12) (4) HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 1 (9) (5) 7)FAN 1 (SET: 80°F) (23) (24) TB2 TS1 TO SHEET 2 TO SHEET 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.

NOTES:

- 1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
- 2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 3. FEEDER CIRCUIT PROTECTION, INPUT POWER AND MOTOR WRING 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
- 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 OUTPUT			
5-02	TERMINAL 29 TYPE	1				
5-11	TERMINAL 19	52	RUN PERMISSIVE			
5-31	TERMINAL 29	5	RUNNING			
5-40[0]	RELAY 1	160	NO ALARM			
5-40[1]	RELAY 2	167	START COMMAND			
14-20	RESET MODE	13	INFINITE AUTO REST			

В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME		EMA 3R,600V,3C			- Lu
А	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 IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	D TM	, MAIN DISC, MAIN & DRIVE FUSE ,3MB2,DUAL MOTOR,1 FAN				Janjuss	
DR	SP10076	l 09 /10		APR					<u> </u>	
REV	ECN	DATE		D TM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>	SIZE	DWG 18	35B0877

