WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE RED - AC CONTROL X - DRIVE TERMINAL WHITE - AC GROUNDED X - CUSTOMER TERMINAL CIRCUIT CONDUCTOR BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND \neg 4T1 (L1) M2 4T2 (L2) (T2) 2T1 (L1) (T1) 3L1 * AC MOTOR 1 *CUSTOMER L1 (L1) (T1) BLK 2L1 5L1 L1/R/91 VLT (L1) (T1) 1T1 (L1) T1 INPUT SUPPLIED T1/U/96 -[F16B] 5L2 [F16A] POWER ADJUSTABLE FREQUENCY (L2) (T2) 1T2 (L2) T2 BLK 2L2 (L2) (T2) 3L2 2T2 BRANCH L2 (L2) (T2) T2/V/97 3 PH, 480V, L2/S/92 | F16B| | L2/S/92 | F16C| 5L3 | L3/T/93 DRIVE 2T3 (L3) (T3) 1T3 (L3) T3 CIRCUIT (L3) (T3) 3L3 L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) T3/W/98 PROTECTION (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES MAIN DISCONNECT (L1) (T1) (L2) (T2) (L1) (T1) 3T1 (L1) T1 (L2) (T2) 3T2 (L2) T2 *AC MOTOR 2 EARTH GROUND GRN (L3) (T3) (L3) (T3) 3T3 (L3) 163 RED X2 100 WHT -| F12 |-115VAC (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 167 (1)-(9) (5) 2)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. 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. 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

DRIVE PARAMETER SETTINGS

PARAMETER #	NAME	SETTING	VALUE HZ NORTH AMERICA AUTO ENERGY OPTIM VT		
0-02	MOTOR SPEED UNIT	1			
0-03	REGIONAL SETTINGS	1			
1-03	TORQUE CHAR.	3			
5-02	TERMINAL 29 TYPE	1	OUTPUT		
5-31	TERMINAL 29	5	RUNNING		
14-20	RESET MODE	13	INFINITE AUTO REST		

В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME		EMA 3R,480V,3C		The sheet	
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	DIM		,MAIN DISC, DRIVE FUSE .3MB1.CONTACT MOTOR SELECT.1			Janjuso	
DR	SP10076	09/10	IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED	APR	MODEL	,JMBT,CUNT	ACT MOTOR SELE		AN EDWO 1 OF EDWO 1	
REV	ECN	DATE	NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLUSED TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	D TM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>	SIZE	No. 185B0608	

