WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE RED - AC CONTROL X - DRIVE TERMINAL WHITE - AC GROUNDED - CUSTOMER TERMINAL CIRCUIT CONDUCTOR BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND GRN / \neg * AC MOTOR OL 4T1 (L1) M2 (T1) 2T1 *CUSTOMER L1 (L1) (T1) 1L1 BLK (F15A) 2L1 5L1 L1/R/91 VLT (L1)_{XX} T1 INPUT SUPPLIED T1/U/96 -[F16B] 5L2 [F16A] POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK F15B 2L2 4T2 (L2) (T2) (L2) T2 FEEDER 3L2 T2/V/97 3 PH, 240V, L2/S/92 DRIVE (L3)_C T3 L3 (L3) (T3) 1L3 BLK ||F15C|| 2L3 CIRCUIT 3L3 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES DRIVE MAIN DISCONNECT DISCONNECT FUSES (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED X2 100 WHT F12 115VAC CR6 (12) 5 (11) TS1 HEATER (SET: 65°F) CR6 167 1 (SET: 80° F) (9) (5) (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 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		
0-02	MOTOR SPEED UNIT	1			
0-03	REGIONAL SETTINGS	1	NORTH AMERICA		
1-03	TORQUE CHAR.	3	AUTO ENERGY OPTIM VT		
5-02	TERMINAL 29 TYPE	1	OUTPUT		
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	NE	EMA 3R,240V,2C		- 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 & DRIVE DISC, MAIN & DRIVE FUSE				
DR	SP10076	09/10		APR D TM	,3MB2,SINGLE MOTOR,1 FAN				
REV	ECN	DATE			WODEL VLT	PAGE <u>1</u> OF <u>2</u>	SIZE	No. 18580348	

