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

GREEN - CHASSIS GROUND

TERMINAL IDENTIFICATION

| X | - DRIVE TERMINAL

(X) - CUSTOMER TERMINAL

EARTH GROUND EARTH GROUND AC MOTOR *CUSTOMER SUPPLIED L1_(L1)0 F16AI (T1) (U1) (U2) 2L1 INPUT L1/R/91 T1/U/96 POWER ADJUSTABLE FREQUENCY (V1) (V2) 2L2 FEEDER L2 (L2) F16B (T2) 1L2 BLK T2 3 PH, 480V, L2/S/92 T2/V/97 DRIVE CIRCUIT (W1) (W2) 2L3 L3 (L3) - IF16CII (T3) BLK PROTECTION L3/T/93 T3/W/98 (AFD) (SEE NOTE 3) DISCONNECT REACTOR EARTH GROUND GRN * CUSTOMER RUN -18 D IN +24 VDC 29 163 RED X2 100 WHT CUSTOMER DRY CONTACT RATINGS F12 -13 +24VDC 115VAC 250V COM 20 BLU RELAY CONTACT RATING 27 D IN HEATER (SET: 65° F) CUSTOMER'S SAFETY 'J1' (12) 5 (11) TS1 5A @ 120VAC CR6 1/10 HP @ 120VAC INTERLOCK (SEE NOTE 4) 12 +24VDC ②FAN 1 (SET: 80°F) VLT ADJUSTABLE 53_3 FREQUENCY

WARNING!

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.

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.
- 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

DRIVE RUN

CR6 (10) (2)

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

В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME		EMA 3R,480V,NB	of ly
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 FUSE DISC, DRIVE FUSE .IR.SINGLE MOTOR.1 FAN		Janjuso	
DR	SP10076	ng /10	IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL	APR	,IIX,SIINGLL WIOTOIX,I TAIN			_
DIX	31 10070	00/10	NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED		MODEL . "		$\begin{bmatrix} 1 & 1 & 1 & 1 \end{bmatrix}$ SIZE $\begin{bmatrix} 1 & 1 & 1 & 1 \end{bmatrix}$ DWG 10 $\begin{bmatrix} 1 & 1 & 1 & 1 \end{bmatrix}$	
REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	DIM	0 2 2 2	VLT	PAGE 1 OF 1 STEE NO. C	5582319