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

CUSTOMER TERMINAL

EARTH GROUND EARTH GROUND AC MOTOR \*CUSTOMER SUPPLIED L1\_(L1) (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, 208V, 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 H2 H3 H4 +24 VDC 29 163 RED X3 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 DRIVE (AFD) DRIVE RUN CR6 (10) (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.
- 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			
0-02	MOTOR SPEED UNIT	1	HZ			
0-03	REGIONAL SETTINGS	1	NORTH AMERICA AUTO ENERGY OPTIM VT OUTPUT			
1-03	TORQUE CHAR.	3				
5-02	TERMINAL 29 TYPE	1				
5-31	TERMINAL 29	5	RUNNING			
14-20	RESET MODE	13	INFINITE AUTO REST			

В	SD10110	11 /10	- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES. IT IS LOANED BY DANFOSS DRIVES SUBJECT TO THE CONDITIONS THAT IT AND	drn <i>DTM</i>	NAME		EMA 3R,208V,NE USE DISC, DRIVE			Danfoss
	SD10076	00 /10	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	APR	,IR,SINGLE MOTOR,1 FAN				0-1	
DIN	3F 10070	09/10	NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED		MODEL		1 1	SIZE A	DWG 1 C	EDOZOZ
REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	DIM		VLT	PAGE _L OF _L		NÖ.   C	) DBZ3U/