Model #: VFD900CP63A-21

Date: 2020-04-14

Description

VFD-CP2000, 75/100HP, 55/75Kw, (ND 86/LD 103A), 3 Ø 690VAC, 400.00Hz, (V/Hz, SVC, PM, STO), Pump & Fan Macro, c/w PLC & BACnet, NEMA 1, Frame E

Manufacturer	Heavy Duty Output Rating		Normal Duty Output Rating		Light Duty Output Rating		Single Phase Duty Rating	
Delta Electronics	HD Input Amps Rating	-	ND Input Amps Rating	105,3	LD Input Amps Rating	127,3	1 Ø Input Amps Rating	105,3
	Rated HP	**Rated Amps**	**HP**	**Rated Amps**	**HP**	**Rated Amps**	**HP**	**Amps**
	-	-	75,0	86,0	100,0	104,0	37,5	43,0
	Max. HP	**Max. Amps**	**Max. HP**	**Max. Amps**	**Max. HP**	**Max. Amps**	**Max. HP**	**Max. Amps**
Max. Capacity	-	-	100,0	103,2	125,0	124,8	37,5	43,0
Line Reactor	**Heavy Duty**		**Normal Duty**		**Light Duty**		**1 Ø Phase**	
	Line	**Load**	**Line**	**Load**	**Line**	**Load**	**Line**	**Load**
Model	-	-	KDRI41H	KDRF45L	KDRG44H	KDRH43L	KDRI41H	KDRF46L
HP Rating	0,0	-	100,0	100,00	125,00	125,00	100,00	60,00
Max Amps	-	-	99,0	99,0	130,0	125,0	99,0	62,0
Inductance uH	-	-	471,0	272	371	272	471	432
Nema 1 Encl.Size	-	-	C4	C4	C4	C4	C4	C3
Motor Models Compatible	**Heavy Duty**		**Normal Duty**		**Light Duty**		**1 Ø Phase**	
	Model	HP	Model	HP	Model	HP	Model	HP
	-	-	MPP-78	100	MPOP-83	125	MPP-63	50
	FLA	-	FLA	96,0	FLA	118,0	FLA	50
VFD Dimensions	**Width (mm)**	**Width (in.)**	**Height (mm)**	**Height (in.)**	**Depth (mm)**	**Depth (in)**	**Wgt (Kg)**	**Wgt (lbs)**
	370	14,5669	715,8	28,181046	300	11,811	61,0	141,5505

	Input Voltage	Input Frequency	Input Phase	Enclosure	Control Method			
	470 ~ 690VAC (± 10%)	50/60Hz (±5%)	3	NEMA 1	V/Hz, Sensorless Vector, Closed Loop Vector, FOC (Field Oriented Control), Torque Control, PM Motor Control			
Regulated Output Voltage	**Efficiency**	**Motor Current Protection Range**	**Stall Prevention Level HD**	**Stall Prevention Level ND**	**Stall Prevention Level LD**	**Carrier Frequency**	**Accel / Decel Time**	**Default Rating**
0.0 ~ 765.0Vac	≥98%	1.04~124.8A	-	0 ~ 150%	0 ~ 125%	2 ~ 9kHz	0.0 ~ 6000 secs	Light Duty
Over Torque Level	**DC Injection**	**Braking Chopper**	**Equivalent Braking Resistor Circuit**	**Minimum Braking Resistance Value**	**Starting Torque @**			
					V/Hz	**SVC**	**VC+PG**	
10 ~ 200%	0 ~ 100.0 %	1 X VFDB6110	9000W 18Ω	12.2 Ω	0 ~ 150% @ 0.5Hz	0 ~ 150% @ 0.5Hz	-	
Analog Inputs			**Analog Outputs**			**Keypad**	**Fault Record**	**Reel Time Stamp**
AVI	**ACI**	**AUI**	**AFM1**	**AFM2**	**DFM**			
0 ~ 10vdc	0/4 ~ 20ma	-10 ~ +10vdc	0 ~ 10vdc / 0 ~20ma	0 ~ 10vdc / 0 ~20ma	Pulsed Frequency	Removable	20 last faults	Yes
Digital Inputs					**Signal mode**			
Dedicated		**Safe Torque Off**	**Programmable**	**Control Voltage**				
Fwd, Rev, STO1, STO2		Yes	8	24vdc	Sink (NPN) / Source (PNP)			
Digital Outputs				**Built in Controllers**				
DO1	**DO2**	**DO3**	**DO4**	**Preset speeds**	**Process Control**	**PLC**	**PID**	**Position**
1NO/NC Form C relay, ≤ 240VAC, ≤ 24vdc	1NO/NC Form C relay, ≤ 240VAC, ≤ 24vdc	Optocoupler NPN ≤ 48vdc	Optocoupler NPN ≤ 48vdc	15	Thru PLC	10K Steps	Yes	-
Communication				**Built In Protocol 1**	**Built In Protocol 2**	**Built In Protocol 3**		
Comm Port 1	**Comm Port 2**	**Comm port 3**	**Comm port 4**					
RJ45 (RS-485)	RJ45 (RS-485)	-SG, +SG (RS-485)	-	Modbus ACSII	Modbus RTU	BACnet		

Options		
Option 1	KPC-CC01	Standard keypad shipped with C2000 series. Also compatible, MS-300 & MH-300.
Option 2	MKC-KPPK	VFD-C2000, Keypad Remote Panel Adapter, IP66
Option 3	KPC-CE01	VFD-C2000, LED English Keypad for C2000
Option 4	-	-
Option 5	CMC-EIP01	VFD-C2000, Ethernet Communication card, supports EtherNet/IP protocol
Option 6	CMC-MOD01	VFD-C2000, Ethernet communication card, supports MODBUS TCP protocol
Option 7	CMC-DN01	VFD-C2000, DeviceNet communication card, 125kbps / 250kbps / 500kbps
Option 8	CMC-PD01	VFD-C2000, PROFIBUS-DP communication card, 9.6kbps-12Mbps
Option 9	EMC-COP01	VFD-C2000, CANopen communication card, 50kbps - 1Mbps
Option 10	EMC-D42A	VFD-C2000, IO Extension card, (4DI/2DO), DC 24V
Option 11	EMC-D611A	VFD-C2000, 6DI extension card, AC 110V power
Option 12	EMC-BPS01	VFD-C2000, 24VDC External Power Supply Card
Option 13	EMC-R6AA	VFD-C2000, IO Extension card (6 output relays)
Option 14	-	-
Option 15	-	-
Option 16	-	-
Option 17	-	-
Option 18	-	-