

Model #:

Description								
(CP2000) 30HP (ND 36A) / 50HP (LD 45A), 3 Ø 690VAC, 0-599.00Hz (o/p), (V/Hz, SVC, PM, STO), c/w PLC, Pump & Fan Macro & BACnet, NEMA 1, Frame C								
Manufacturer	Normal Duty Output Rating		Light Duty Output Rating		-		Single Phase Duty Rating	
Delta Electronics	Input Amps Rating	44,08	Input Amps Rating	55,1	Input Amps Rating	-	1 Ø Input Amps Rating	44,1
	Rated HP	Rated Amps	HP	Rated Amps	HP	Rated Amps	HP	Amps
	30,0	36,0	40,0	45,0	-	-	15,0	18,0
	Max. HP	Max. Amps	Max. HP	Max. Amps	Max. HP	Max. Amps	Max. HP	Max. Amps
Max. Capacity	40,0	43,2	50,0	54,0	-	-	15,0	18,0
Line Reactor	Normal Duty		Light Duty		-		1 Ø Phase	
	Line	Load	Line	Load	Line	Load	Line	Load
Model	KDRF44H	KDRC43L	KDRF45H	KDRC44L	-	-	KDRF44H	KDRB43L
HP Rating	40,0	40,00	50,0	50,00	-	-	40,00	25,00
Max Amps	44,0	41,0	58,0	52,0	-	-	44,0	30,0
Inductance uH	1090	672	870,0	672	-	-	1090	883
Nema 1 Encl.Size	C3	C2	C3	C2	-	-	C3	C1
Motor Models Compatible	Normal Duty		Light Duty		-		1 Ø Phase	
	Model	HP	Model	HP	Model	HP	Model	HP
	MPP-58	40	MPP-63	50	-	-	MPOP-43	20
	FLA	40	FLA	50,0	FLA	-	FLA	21
VFD Dimensions	Width (mm)	Width (in.)	Height (mm)	Height (in.)	Depth (mm)	Depth (in)	Wgt (Kg)	Wgt (lbs)
	250	9,8425	400	15,748	210	8,2677	10,0	23,205
	Input Voltage	Input Frequency	Input Phase	Enclosure	Control Method	V/Hz, Sensorless Vector, Closed Loop Vector, FOC (Field Oriented Control), Torque Control, PM Motor Control		
	470 ~ 690VAC (± 10%)	50/60Hz (±5%)	3	NEMA 1				
Regulated Output Voltage	Efficiency	Motor Current Protection Range	Stall Prevention Level SHD / HD	Stall Prevention Level ND	Stall Prevention Level LD	Carrier Frequency	Accel / Decel Time	Default Rating
0.0 ~ 765Vac	≥98%	4.3~51.6A	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 %	Built-in / Intégré	3600W 45Q	43.1 Ω	0 ~ 150% @ 0.5Hz	0 ~ 150% @ 0.5Hz	0 ~ 250% @ 0.0Hz	
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	(C2000+ / CP2000, MS300) Standard keypad shipped with C2000 / CP2000 series. Also compatible, MS-300.						
Option 2	MKC-KPPK	(C2000+ / CP2000), Keypad Remote Panel Adapter, IP66						
Option 3	KPC-CE01	(C2000+ / CP2000), LED English Keypad for C2000						
Option 4	CMC-EC01	(C2000+), EtherCAT Communication card, supports EtherCAT protocol						
Option 5	CMC-EIP02	(C2000+), Ethernet Communication card, supports EtherNet/IP protocol, ModBus TCP						
Option 6	CMC-DN01	(C2000+), DeviceNet communication card, 125kbps / 250kbps / 500kbps						
Option 7	CMC-PD01	(C2000+), PROFIBUS-DP communication card, 9.6kbps-12Mbps						
Option 8	CMC-PN01	(C2000+), PROFINET IO communication card, 10/100 Mbps auto-detection						
Option 9	EMC-A22A	(C2000+), IO Extension card, (2AI/2AO), 0 ~ 10v, 0 ~ 20mA / 4 ~ 20mA						
Option 10	EMC-COP01	(C2000+), CANopen communication card, 50kbps - 1Mbps						
Option 11	EMC-D42A	(C2000+), IO Extension card, (4DI/2DO), DC 24V						
Option 12	EMC-D611A	(C2000+), 6DI extension card, AC 110V power						
Option 13	EMC-BPS01	(C2000+), 24VDC External Power Supply Card						
Option 14	EMC-PG01L	(C2000+), Encoder Interface card, 5 VDC to encoder, Line-drive 300k pulse/sec. 5VDC 50mA pulse output						
Option 15	EMC-PG02L	(C2000+), Encoder Interface card, 5 VDC to encoder, Line-drive 300k pulse/sec. 5VDC 50mA pulse output						
Option 16	EMC-PG01O	(C2000+), Encoder Interface card, 5 or 12 VDC to encoder, Open-collect 300k pulse/sec. pulse output						
Option 17	EMC-PG02O	(C2000+), Encoder Interface card, 5 or 12 VDC to encoder, Open-collect 300k pulse/sec. pulse output						
Option 18	EMC-PG01R	(C2000+), Resolver Feedback Card; VFD-C, CP						