

Model #:

Description								
(C2000+) 175HP (HD 180A)/ 200HP (ND 220A)/ 250HP (LD 290A), 3 Ø 575-690VAC, 0-599.00Hz (o/p), (V/Hz, VC+PG, SVC, FOC, TQC & PM), c/w PLC, IP20, Fr. G								
Manufacturer	Heavy Duty Output Rating		Normal Duty Output Rating		Light Duty Output Rating		Single Phase Duty Rating	
Delta Electronics	Input Amps Rating	180,00	Input Amps Rating	220,0	Input Amps Rating	290,0	1 Ø Input Amps Rating	180,0
	Rated HP	Rated Amps	HP	Rated Amps	HP	Rated Amps	HP	Amps
	150,0	180,0	200,0	220,0	350,0	290,0	75,0	90,0
	Max. HP	Max. Amps	Max. HP	Max. Amps	Max. HP	Max. Amps	Max. HP	Max. Amps
Max. Capacity	200,0	216,0	250,0	264,0	350,0	348,0	75,0	90,0
Line Reactor	Heavy Duty		Normal Duty		Light Duty		1 Ø Phase	
	Line	Load	Line	Load	Line	Load	Line	Load
Model	KDRJ41H	KDRI42L	KDRL46H	KDRG47L	KDRL48H	KDRJ45L	KDRJ41H	KDRF45L
HP Rating	200,0	200,00	250,0	250,00	350,00	350,00	200,00	100,00
Max Amps	192,0	192,0	260,0	242,0	344,0	336,0	192,0	99,0
Inductance uH	250	146	188,0	108	138	88,9	250	272
Nema 1 Encl.Size	C5	C4	C5	C4	138,00	C5	C5	C4
Motor Models Compatible	Heavy Duty		Normal Duty		Light Duty		1 Ø Phase	
	Model	HP	Model	HP	Model	HP	Model	HP
	MPP-98	200	MPOP-102	250	MPOP-111	350	MPP-78	100
	FLA	184	FLA	224,0	FLA	299,0	FLA	96
VFD Dimensions	Width (mm)	Width (in.)	Height (mm)	Height (in.)	Depth (mm)	Depth (in)	Wgt (Kg)	Wgt (lbs)
	550	21,6535	1000	39,37	397	15,62989	135,0	313,2675
	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 Optional				
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 ~ 720.0Vac	≥98%	34.8 ~ 348.0 A	0 ~ 180%	0 ~ 150%	0 ~ 120%	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 ~ 250%	0 ~ 100.0 %	2 X VFDB6110	24000W 6.8Ω	6.1 Ω	0 ~ 250% @ 0.5Hz	0 ~ 250% @ 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	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	-		
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						