

Model #:

Description								
(C2000+) 335HP (HD 310A)/ 400HP (ND 385A)/ 450HP (LD 465A), 3 Ø 575-690VAC, 0-599.00Hz (o/p), (V/Hz, VC+PG, SVC, FOC, TQC & PM), c/w PLC, IP20, Fr. H								
Manufacturer	Heavy Duty Output Rating		Normal Duty Output Rating		Light Duty Output Rating		Single Phase Duty Rating	
Delta Electronics	Input Amps Rating	310,00	Input Amps Rating	385,0	Input Amps Rating	465,0	1 Ø Input Amps Rating	310,0
	Rated HP	Rated Amps	HP	Rated Amps	HP	Rated Amps	HP	Amps
	350,0	310,0	400,0	385,0	600,0	465,0	175,0	155,0
	Max. HP	Max. Amps	Max. HP	Max. Amps	Max. HP	Max. Amps	Max. HP	Max. Amps
Max. Capacity	350,0	372,0	400,0	462,0	600,0	558,0	175,0	155,0
Line Reactor	Heavy Duty		Normal Duty		Light Duty		1 Ø Phase	
	Line	Load	Line	Load	Line	Load	Line	Load
Model	KDRL49H	KDRJ43L	KDRS47H	KDRL45L	KDRS49H	KDRL42L	KDRL49H	KDRI42L
HP Rating	400,0	400,00	450,0	500,00	600,00	600,00	400,00	200,00
Max Amps	382,0	385,0	440,0	480,0	600,0	600,0	382,0	192,0
Inductance uH	120	70	112,0	62,5	66	39,83215671	120	146
Nema 1 Encl.Size	C5	C5	C5	C5	66,39	C5	C5	C4
Motor Models Compatible	Heavy Duty		Normal Duty		Light Duty		1 Ø Phase	
	Model	HP	Model	HP	Model	HP	Model	HP
	MPOP-111	350	E364-575	400	E366-575	600	MPOP-98	200
	FLA	299	FLA	359,0	FLA	524,0	FLA	185
VFD Dimensions	Width (mm)	Width (in.)	Height (mm)	Height (in.)	Depth (mm)	Depth (in)	Wgt (Kg)	Wgt (lbs)
	700	27,559	1435	56,49595	630	24,8031	243,0	563,8815
	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%	55.84 ~ 558.0 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 VFDB6200	42000W 3.9Ω	3.5 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						