



VFD037E43A

Model #:

Description								
(E Series) 5HP 3.7kW (CT 8.5A) / 7.5HP 5.5kW (VT 10.2A), 3 Ø 460VAC, 0-599.00Hz (o/p), (V/Hz, SVC, VC+PG), c/w EMI Filter & PLC, IP20, Frame B								
Manufacturer	Heavy Duty Output Rating		Light Duty Output Rating		-		Single Phase Duty Rating	
Delta Electronics	Input Amps Rating	11,2	Input Amps Rating	13,4	Input Amps Rating	-	1 Ø Input Amps Rating	11,2
	Rated HP	Rated Amps	HP	Rated Amps	HP	Rated Amps	HP	Amps
	5,0	11,2	5,0	11,2	-	-	2,0	5,6
	Max. HP	Max. Amps	Max. HP	Max. Amps	Max. HP	Max. Amps	Max. HP	Max. Amps
Max. Capacity	7,5	13,4	7,5	13,4	-	-	2,0	5,6
Line Reactor	Heavy Duty		Light Duty		-		1 Ø Phase	
	Line	Load	Line	Load	Line	Load	Line	Load
Model	KDRAA3H2	KDRAA3L2	KDRAA4H2	KDRAA4L2	-	-	KDRAA3H2	KDRMA7L1
HP Rating	5,0	5,00	7,5	7,50	-	-	5,00	2,00
Max Amps	8,2	8,2	12,0	11,0	-	-	8,2	4,2
Inductance uH	3980	2770	3000,0	1680	-	-	3980	5790
Nema 1 Encl.Size	C1	C1	C1	C1	-	-	C1	C1
Motor Models Compatible	Heavy Duty		Light Duty		-		1 Ø Phase	
	Model	HP	Model	HP	Model	HP	Model	HP
	MQP-22	5	-	-	-	-	MQP-28	7,5
	FLA	6,8	FLA	-	FLA	-	FLA	9,8
VFD Dimensions	Width (mm)	Width (in.)	Height (mm)	Height (in.)	Depth (mm)	Depth (in)	Wgt (Kg)	Wgt (lbs)
	100	3,937	174	6,85038	152	5,98424	1,9	4,40895
Input Voltage	Input Frequency	Input Phase	Enclosure		Control Method	V/Hz, Sensorless Vector, Closed Loop Vector		
380 ~ 480VAC (± 10%)	50/60Hz (±5%)	3	IP20					
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 ~ 510Vdc	≥97%	3.36 ~ 13.44 A	20 ~ 250%	-	-	1 ~ 15kHz	0.10 ~ 600.0 secs	Heavy Duty
Over Torque Level	DC Injection	Braking Chopper	Equivalent Braking Resistor Circuit	Minimum Braking Resistance Value	Starting Torque @			
10 ~ 200%	0 ~ 100.0 %	Built-in	600W 140Ω	84.4 Ω	V/Hz	SVC	VC+PG	
					10 ~ 200% @ 1.5Hz	10 ~ 200% @ 0.5Hz	10 ~ 200% @ 0.2Hz	
Analog Inputs			Analog Outputs			Keypad	Fault Record	Reel Time Stamp
AVI	ACI	AUI	AFM1	AFM2	DFM			
0 ~ 10vdc	0 ~ 10vdc or 0/4 ~ 20ma	Optional	0 ~ 10vdc	Optional	Optional	Optional	5 last faults	Thru PLC
Digital Inputs					Signal mode			
Dedicated	Safe Torque Off	Programmable	Control Voltage		Sink (NPN) / Source (PNP)			
-	No	6	24vdc					
Digital Outputs				Built in Controllers				
DO1	DO2	DO3	DO4	Preset speeds	Process Control	PLC	PID	Position
1NO/NC Form C relay, ≤ 240VAC, ≤ 24vdc	Optional	Optocoupler NPN ≤ 48vdc	Optional	15	Thru PLC	5K Steps	Yes	No
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	Modbus ACSII	Modbus RTU	-		
RJ45 (RS-485)	-	-	-					
Options								
Option 1	KPE-LE02	(E Series) Keypad, sold separately						
Option 2	VFD-PU06	Upload / Download Keypad, Compatible with all Delta Series except, V, VE,MS300, C2000, CP2000 series, RJ11 Comm port connectable						
Option 3	0	0						
Option 4	CME-DN01	(E Series), DeviceNet Communication module						
Option 5	CME-LW01	(E Series), LonsWork Communication module						
Option 6	CME-PD01	(E Series), ProfiBus Communication module						
Option 7	CME-COP01	(E Series), CANopen Communication module						
Option 8	CME-USB01	(E Series), USB - PC Communication module						
Option 9	EME-D33A	(E Series), I/O Extension card (3DI/3DO)						
Option 10	EME-R2CA	(E Series), I/O Extension card (2 Form C relays)						
Option 11	EME-R3AA	(E Series), I/O Extension card (3 Form A relays)						
Option 12	EME-PG01	(E Series), Encoder Interface Card						
Option 13	EME-A22A	(E Series), I/O Extension card (2AI/2AO)						
Option 14	MKE-EP	(E Series), EMI Mounting Plate						
Option 15	MKE-HUB01	(E Series), Dasiy Chain t-connector						
Option 16	-	-						
Option 17	-	-						
Option 18	-	-						