



Model #: VFD037E43A

Date: 2020-04-14

Description								
VFD-E, 5/7.5HP, 3.7/5.5Kw, CT/VT, 8.5/10.2A, 3 Ø 460VAC, 599.00Hz, (V/Hz, SVC, VC+PG), c/w EMI Filter & PLC, IP20, Frame B								
Manufacturer	Heavy Duty Output Rating		Normal Duty Output Rating		Light Duty Output Rating		Single Phase Duty Rating	
Delta Electronics	HD Input Amps Rating	11,2	ND Input Amps Rating	-	LD Input Amps Rating	13,4	1 Ø Input Amps Rating	11,2
	Rated HP	Rated Amps	HP	Rated Amps	HP	Rated Amps	HP	Amps
	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		Normal 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	0,0	-	7,50	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	1680	3980	5790
Nema 1 Encl.Size	C1	C1	-	-	C1	C1	C1	C1
Motor Models Compatible	Heavy Duty		Normal Duty		Light Duty		1 Ø Phase	
	Model	HP	Model	HP	Model	HP	Model	HP
	MQP-22	5	-	-	MQP-28	7,5	MQP-12	2
	FLA	6,8	FLA	-	FLA	9,8	FLA	3,1
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 HD	Stall Prevention Level ND	Stall Prevention Level LD	Carrier Frequency	Accel / Decel Time	Default Rating
0.0 ~ 510.0Vac	≥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	VFD-E series Keypad, sold separately						
Option 2	VFD-PU06	Upload / Download Keypad, Compatible with all Delta Series except, V, VE,MS/MH300, C2000 series, RJ11 Comm port connectable						
Option 3	0	0						
Option 4	-	-						
Option 5	CME-DN01	VFD-E, DeviceNet Communication module						
Option 6	CME-LW01	VFD-E, LonsWork Communication module						
Option 7	CME-PD01	VFD-E, ProfiBus Communication module						
Option 8	CME-COP01	VFD-E, CANopen Communication module						
Option 9	CME-USB01	VFD-E, USB - PC Communication module						
Option 10	EME-D33A	VFD-E, I/O Extension card (3DI/3DO)						
Option 11	EME-R2CA	VFD-E, I/O Extension card (2 Form C relays)						
Option 12	EME-R3AA	VFD-E, I/O Extension card (3 Form A relays)						
Option 13	EME-PG01	VFD-E, Encoder Interface Card						
Option 14	EME-A22A	VFD-E, I/O Extension card (2AI/2AO)						
Option 15	MKE-EP	VFD-E, EMI Mounting Plate						
Option 16	MKE-HUB01	VFD-E, Dasiy Chain t-connector						
Option 17	MKE-EP	VFD-E, EMI Mounting Plate						
Option 18	MKE-DRB	VFD-E, Din Rail Kit (Frame B)						