



Model #: VFD075M43A

Date: 2020-04-15

Description								
VFD-M, 10/12.5HP, 7.5/9.3Kw, CT/VT, 18/21.6A, 3 Ø 460VAC, 400Hz, (V/Hz, SVC), 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	23,0	ND Input Amps Rating	-	LD Input Amps Rating	-	1 Ø Input Amps Rating	23,0
	Rated HP	Rated Amps	HP	Rated Amps	HP	Rated Amps	HP	Amps
	10,0	18,0	-	-	-	-	5,0	9,0
	Max. HP	Max. Amps	Max. HP	Max. Amps	Max. HP	Max. Amps	Max. HP	Max. Amps
Max. Capacity	15,0	21,6	-	-	15,0	21,6	5,0	9,0
Line Reactor	Heavy Duty		Normal Duty		Light Duty		1 Ø Phase	
	Line	Load	Line	Load	Line	Load	Line	Load
Model	KDRAA5H2	KDRAA5L2	-	-	KDRB2H	KDRB2L	KDRAA5H2	KDRAA3L2
HP Rating	10,0	10,00	0,0	-	15,00	15,00	10,00	5,00
Max Amps	14,0	14,0	-	-	27,0	30,0	14,0	8,2
Inductance uH	2232	1290	-	-	1690	912	2232	2770
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-32	10	-	-	MQP-38	15	MQP-21	5
	FLA	12	FLA	-	FLA	19,0	FLA	5,8
VFD Dimensions	Width (mm)	Width (in.)	Height (mm)	Height (in.)	Depth (mm)	Depth (in)	Wgt (Kg)	Wgt (lbs)
	125	4,92125	220	8,6614	166,3	6,547231	3,3	7,65765
Input Voltage	Input Frequency	Input Phase	Enclosure		Control Method	V/Hz, Sensorless 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
0.1 ~ 510.0Vac	≥97%	5.4 ~ 21.6 A	20 ~ 200%	-	-	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 @			
30 ~ 200%	0 ~ 100.0 %	Builtin	1000W 075Ω	45 Ω	V/Hz	SVC	VC+PG	
					10 ~ 200% @ 5.0Hz	10 ~ 200% @ 0.5Hz		
Analog Inputs			Analog Outputs			Keypad	Fault Record	Reel Time Stamp
AVI	ACI	AUI	AFM1	AFM2	DFM			
0 ~ 10vdc or 0/4 ~ 20ma	0 ~ 10vdc or 0/4 ~ 20ma	-	0 ~ 10vdc	-	-	Removable	3 last faults	No
Digital Inputs					Signal mode			
Dedicated	Safe Torque Off	Programmable	Control Voltage					
-	No	6	17vdc					
Digital Outputs				Built in Controllers				
DO1	DO2	DO3	DO4	Preset speeds	Process Control	PLC	PID	Position
1NO/NC Form C relay, ≤ 240VAC, ≤ 24vdc	Optocoupler NPN ≤ 48vdc	-	-	7	Yes	-	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	VFD-PU06	Upload / Download Keypad, Compatible with all Delta Series except, V, VE,MS/MH300, C2000 series, RJ11 Comm port connectable						
Option 2	0	0						
Option 3	0	0						
Option 4	-	-						
Option 5	0	0						
Option 6	0	0						
Option 7	0	0						
Option 8	0	0						
Option 9	0	0						
Option 10	-	-						
Option 11	-	-						
Option 12	-	-						
Option 13	-	-						
Option 14	-	-						
Option 15	-	-						
Option 16	-	-						
Option 17	-	-						
Option 18	-	-						