VFD13AMS43MNSAA

Model #:

Description								
(MS300) 7. 5HP (HD14.13A) / 10HP (ND 18.84A), 3 Ø 460VAC, 0-599.0Hz (op), (V/Hz, SVC, PM), IP66, Frame C								
Manufacturer	**Heavy Duty Output Rating**		**Normal Duty Output Rating**		**-**		**Single Phase Duty Rating**	
Delta Electronics	Input Amps Rating	14,3	Input Amps Rating	17,3	Input Amps Rating	-	1 Ø Input Amps Rating	17,3
	Rated HP	**Rated Amps**	**HP**	**Rated Amps**	**HP**	**Rated Amps**	**HP**	**Amps**
	7,5	13,0	7,5	13,0	7,5	15,7	3,0	6,5
	Max. HP	**Max. Amps**	**Max. HP**	**Max. Amps**	**Max. HP**	**Max. Amps**	**Max. HP**	**Max. Amps**
Max. Capacity	7,5	15,6	7,5	15,6	10,0	18,8	3,0	6,5
Line Reactor	**Heavy Duty**		**-**		**-**		**1 Ø Phase**	
	Line	**Load**	**Line**	**Load**	**Line**	**Load**	**Line**	**Load**
Model	KDRAA4H2	KDRAA4L2	KDRAA5H2	KDRAA5L2	-	-	KDRAA4H2	KDRMA8L1
HP Rating	7,5	7,50	10,0	10,00	-	-	7,50	3,00
Max Amps	12,0	11,0	14,0	14,0	-	-	12,0	5,0
Inductance uH	3000	1680	2231,6	1290	-	-	3000	4270
Nema 1 Encl.Size	C1	C1	C1	C1	-	-	C1	C1
Motor Models Compatible	**Heavy Duty**		**-**		**-**		**1 Ø Phase**	
	Model	HP	Model	HP	Model	HP	Model	HP
	MQP-27	7,5	MQP-32	10	-	-	MQP-17	3
	FLA	9,2	FLA	12,0	FLA	-	FLA	4
VFD Dimensions	**Width (mm)**	**Width (in.)**	**Height (mm)**	**Height (in.)**	**Depth (mm)**	**Depth (in)**	**Wgt (Kg)**	**Wgt (lbs)**
	195	7,67715	300	11,811	183	7,20471	2,9	6,752655

	Input Voltage	**Input Frequency**	**Input Phase**	**Enclosure**	**Control Method**	V/Hz, Sensorless Vector, PM Motor Control		
	380 ~ 480VAC (± 10%)	50/60Hz (±5%)	3	NEMA 4X / IP66				
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 ~510Vac	≥97%	1.30 ~ 18.84 A	0 ~ 200%	0 ~ 150%	-	2 ~ 15kHz	0.00 ~ 600.00	Heavy 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 %	Builtin	1000W 75Ω	50.7 Ω	10 ~ 200% @ 3Hz	10 ~ 200% @ 0.3Hz	-	
Analog Inputs			**Analog Outputs**			**Keypad**	**Fault Record**	**Reel Time Stamp**
AVI	**ACI**	**AUI**	**AFM1**	**AFM2**	**DFM**			
0 ~ 10vdc or -10 ~ +10vdc	0/4 ~ 20ma or 0 ~ 10vdc	-	0/4 ~ 20ma or 0 ~ 10vdc	-	-	Not Removable	10 last faults	Thru PLC
Digital Inputs					**Signal mode**			
Dedicated		**Safe Torque Off**	**Programmable**	**Control Voltage**				
STO1, STO2		Yes	7	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	Optocoupler NPN ≤ 48vdc	Optocoupler NPN ≤ 48vdc	-	15	No	2K 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**					
USB type B	RJ45 (RS-485) / SG+, SG-	-	-	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	**MKM-EPD**	(MS300), EMC Shieled Cable Earthing Plate, Frame D
Option 4	**KPC-CE01**	(C2000+ / CP2000), LED English Keypad for C2000
Option 5	**-**	-
Option 6	**CMM-COP01**	VFD-MH/MS300, CANopen Communication Card
Option 7	**CMM-DN01**	VFD-MH/MS300, DeviceNet Communication Card
Option 8	**CMM-EIP01**	VFD-MH/MS300, EtherNet/IP Communication Card
Option 9	**CMM-EC02**	VFD-MS/MH300, EtherCAT Communication Card
Option 10	**CMM-MOD01**	VFD-MH/MS300, Modbus TCP Communication Card
Option 11	**CMM-PD01**	VFD-MH/MS300, Profibus DP Communication Card
Option 12	**EMM-BPS01**	VFD-MH/MS300, Back-up Power Supply card
Option 13	**-**	-
Option 14	**-**	-
Option 15	**-**	-
Option 16	**-**	-
Option 17	**-**	-
Option 18	**CBM-CL02A**	MS/MH300 Communication Card Connection Cable for CMM-xxx02