VFD45AMS43AFSHA

Model #:

Description								
(MS300) 30HP, 22kW, (HD 45A), 3 Ø 460VAC, 0-1500Hz (op), (V/Hz, SVC) c/w EMI filter, IP20, Frame F2								
Manufacturer	**Heavy Duty Output Rating**		**Normal Duty Output Rating**		**-**		**Single Phase Duty Rating**	
Delta Electronics	Input Amps Rating	49,5	Input Amps Rating	-	Input Amps Rating	-	1 Ø Input Amps Rating	-
	Rated HP	**Rated Amps**	**HP**	**Rated Amps**	**HP**	**Rated Amps**	**HP**	**Amps**
	30,0	45,0	30,0	45,0	-	-	15,0	22,5
	Max. HP	**Max. Amps**	**Max. HP**	**Max. Amps**	**Max. HP**	**Max. Amps**	**Max. HP**	**Max. Amps**
Max. Capacity	40,0	54,0	40,0	54,0	-	-	15,0	22,5
Line Reactor	**Heavy Duty**		**-**		**-**		**1 Ø Phase**	
	Line	**Load**	**Line**	**Load**	**Line**	**Load**	**Line**	**Load**
Model	KDRE2H	KDRD2L	-	-	-	-	KDRE2H	KDRB2L
HP Rating	30,0	30,00	-	-	-	-	30,00	15,00
Max Amps	45,0	45,0	-	-	-	-	45,0	30,0
Inductance uH	850	469	-	-	-	-	850	912
Nema 1 Encl.Size	C2	C2	-	-	-	-	C2	C1
Motor Models Compatible	**Heavy Duty**		**-**		**-**		**1 Ø Phase**	
	Model	HP	Model	HP	Model	HP	Model	HP
	MQP-52	30	MQP-57	40	-	-	MQP-37	15
	FLA	35,3	FLA	46,6	FLA	-	FLA	18,2
VFD Dimensions	**Width (mm)**	**Width (in.)**	**Height (mm)**	**Height (in.)**	**Depth (mm)**	**Depth (in)**	**Wgt (Kg)**	**Wgt (lbs)**
	175	6,88975	300	11,811	244	9,60628	6,3	14,503125

	Input Voltage	**Input Frequency**	**Input Phase**	**Enclosure**	**Control Method**	V/Hz, Sensorless Vector, PM Motor Control		
	380 ~ 480VAC (± 10%)	50/60Hz (±5%)	3	NEMA1 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 ~510Vac	≥97%	4.5 ~ 54 A	0 ~ 200%	-	-	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	3000W 26Ω	23 Ω	10 ~ 200% @ 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	-	-	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-EPF**	(MS300), EMC Shieled Cable Earthing Plate, Frame F
Option 4	**KPC-CE01**	(C2000+ / CP2000), LED English Keypad for C2000
Option 5	**MKM-CBF**	(MS300), NEMA1 conduit box kit, frame F
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	**EG1010A**	1 meter Extension Cable for remote Keypad mounting, compatible with B, M, E, MH-300 & MS-300 series removable Keypads
Option 15	**EG2010A**	2 meter Extension Cable for remote Keypad mounting, compatible with B, M, E, MH-300 & MS-300 series removable Keypads
Option 16	**EG3010A**	3 meter Extension Cable for remote Keypad mounting, compatible with B, M, E, MH-300 & MS-300 series removable Keypads
Option 17	**EG5010A**	5 meter Extension Cable for remote Keypad mounting, compatible with B, M, E, MH-300 & MS-300 series removable Keypads
Option 18	**CBM-CL02A**	MS/MH300 Communication Card Connection Cable for CMM-xxx02