DELTA VFD-Series AC Motor Drives

Under development Line-up

S P E C I F I C A T I O N S

Series	Voltage / Rating (V)	Power Range HP (kW) (0.04)	(0.1)	1/4 (0.2)	1/2 (0.4)	1 (0.75)	2 (1.5)	3 (2.2)	5 (3.7)	7.5 (5.5)	10 (7.5)	15 (11)	20 (15)	25 (18.5)	30 (22)	40 (30)	50 (37)	60 (45)	75 (55)	100 (75)	125 (90)	150 (110)	175 (132)	215 (160)	250 (185)	300 (220)	Characteristics
VFD-V * High-performance vector control drive	230V/3-Phase					●	●	●	●	●	●	●	●	●	●	●	●										♦ Sensorless vector control, speed control ratio 1:100 ♦ With PG feedback control, speed control ratio 1:1000 ♦ PID control ♦ Starting torque over 150% at zero speed ♦ Built-in MODBUS communication interface(2 comm ports) ♦ Carrier freq. up to 15KHz ♦ Auto tuning ♦ Four types S curve settings ♦ 3 position mode selectable
	460V/3-Phase					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
VFD-M * High-performance low-noise micro-type drive	115V/1-Phase			●	●	●																					♦ Built-in PLC functions ♦ Easy-to-operate ♦ Adjustable frequency via keypad or potentiometer ♦ Low noise ♦ Sleep / Revival function ♦ Simple position control ♦ Built-in MODBUS communication interface ♦ Carrier frequency up to 15 Khz ♦ 2 accel./decel. ♦ Built-in potentiometer ♦ 1st/2nd frequency source switching ♦ V / F and simple vector control
	230V/1-Phase				●	●	●	●																			
	230V/3-Phase				●	●	●	●	●	●																	
	460V/3-Phase					●	●	●	●	●	●																
VFD-B * High-performance user-friendly NEMA 1	230V/1-Phase					●	●	●																			♦ V / F & Sensor-less vector control ♦ Auto tuning ♦ Built-in PLC functions ♦ PG feedback control ♦ PID control ♦ Mast / Aaxiliary and 1st/2nd frequency Souvce selectable 1 ♦ Built-in MODBUS communication interface ♦ Power-curve selection ♦ 16 multi-step speed controls ♦ Auto adjustable accel. / decel. times ♦ Sleep / Revival function ♦ Simple position control
	230V/3-Phase					●	●	●	●	●	●	●	●	●	●	●	●										
	460V/3-Phase					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
VFD-S * Compact low-cost NEMA 1micro-type drive	115V/1-Phase			●	●	●																					♦ Built-in PLC functions ♦ Auto adjustable accel. / decel. Time ♦ Miniature size ♦ 8 multi-step speed controls ♦ PID feedback control ♦ Sleep/Revival function ♦ Built-in MODBUS communication interface ♦ Password protection over 100 parameters ♦ Built-in potentiometer
	230V/1-Phase			●	●	●	●	●																			
	230V/3-Phase			●	●	●	●	●																			
	460V/3-Phase				●	●	●	●																			
VFD-L *Sub-fractional general-purpose Drive	115V/1-Phase	●	●	●	●																						♦ Torque compensation ♦ DIP switch ♦ Built-in MODBUS communication ♦ Full protection (OL, OC, OV, OH) ♦ Electronic thermal protection ♦ Built-in EMI filter
	230V/1-Phase	●	●	●	●	●																					
	230V/3-Phase	●	●	●	●	●	●																				
VFD-F *High-performance fan & pump AC motor drives	230V/3-Phase					●	●	●	●	●	●	●	●	●	●	●	●										♦ Automatic torque boost ♦ Built-in PLC function ♦ PID control ♦ Built-in counter ♦ Momentary power loss control ♦ Automatic slip compensation ♦ Built-in RS-485 communication interface ♦ Fan & pump process control (Time / fix amount circulation control) ♦ Sleep / Revival function
	460V/3-Phase					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	✓	✓	✓	✓	

If you have any questions regarding this catalogue, please refer to http://www.delta.com.tw for further information.

VFD SERIES(curve).jpg (2583 x 1518 x 24)