

STANDARD SPECIFICATIONS

Voltage Class		115V Class			230V Class					460V Class			
Model Number VFD-□ □ □ S		002	004	007	002	004	007	015	022	004	007	015	022
Max. Applicable Motor Output (kW)		0.2	0.4	0.75	0.2	0.4	0.75	1.5	2.2	0.4	0.75	1.5	2.2
Output Rating	Rated Output Capacity (KVA)	0.6	1.0	1.6	0.6	1.0	1.6	2.9	4.2	1.2	2.0	3.3	4.4
	Rated Output Current (A)	1.6	2.5	4.2	1.6	2.5	4.2	7.5	11.0	1.5	2.5	4.2	5.5
	Maximum Output Voltage (V)	Proportional to Input Voltage											
	Rated Frequency (Hz)	1.0 to 400 Hz											
Input Rating	Rated Input Current (A)	Single phase			Single/3-phase model drive					3-phase			
		6	9	18	4.9/2.4	6.5/3.0	9.7/5.1	15.7/9.0	24/15	1.7	2.9	5.1	6.9
	Input Current for 1-phase model drive to be used as 3-phase model drive	---			1.9	2.7	5.1	8.4	--	---			
	Rated Voltage/Frequency	100/110/120 VAC 50/60 Hz			200/208/220/240 VAC 50/60Hz					380/400/415/480 VAC 50/60Hz			
Voltage/Freq. Tolerance		Voltage: ±10%, Frequency: ±5%											
Control Characteristics	Control System		SPWM (Sinusoidal Pulse Width Modulation, carrier frequency 3k-10kHz)										
	Output Frequency Resolution		0.1Hz										
	Torque Characteristics		Including the auto-torque, auto-slip compensation; starting torque can be 150% at 5Hz										
	Overload Endurance		150% of rated current for 1 minute										
	Accel/Decel Time		0.1to 600 second (2 Independent settings for Accel/Decel Time)										
	V/F Pattern		V/F pattern adjustable										
	Stall Prevention Level		20 to 200%, Setting of Rated Current										
Operating Characteristics	Frequency Setting	Keypad	Setting by ▲ ▼ or Potentiometer										
		External Signal	Potentiometer-5KΩ/0.5W, DC 0 to +10V or 0 to +5V (Input impedance 47KΩ), RS-485 interface, 4 to 20mA (Input impedance 250Ω); Multi-Function Inputs 1 to 5 (7 steps, Jog, up/down)										
	Operation Setting Signal	Keypad	Setting by RUN, STOP										
		External Signal	M0 to M5 can be combined to offer various modes of operation, RS-485 serial interface (MODBUS).										
	Multi-Function Input Signal		Multi-step selection 0 to 7, Jog, accel/decel inhibit, first/second accel/decel switch, counter, PLC operation, external Base Block (NC, NO)										
	Multi-Function Output Indication		AC Drive Operating, Frequency Attained, Non-zero, Base Block, Fault Indication, Local/Remote indication, PLC Operation indication.										
	Analog Output Signal		Analog frequency/current signal output.										
Other Function		AVR, S-Curve, Over-Voltage, Over-Current Stall Prevention, Fault Records, Adjustable Carrier Frequency, DC Braking, Momentary Power Loss restart, Frequency Limits, Parameter Lock/Reset, Reverse Inhibition, etc.											
Protection		Self-testing, Over Voltage, Over Current, Under Voltage, Overload, Overheating, External Fault, Electronic thermal, Ground Fault.											
Cooling		Forced air-cooling (ONLY FOR 022S2XA/B; XXXS43A/B/E 1HP~3HP; XXXSXXD; XXXS21E 400W~3HP). Others are Natural air-cooling.											
Environment	Installation Location		Altitude 1,000 m or below, keep from corrosive gasses, liquid and dust										
	Pollution Degree		2										
	Ambient Temperature		-10 °C to 40 °C (Non-Condensing and not frozen)										
	Storage Temperature		-20 C to 60 C										
	Ambient Humidity		Below 90% RH (non-condensing)										
	Vibration		9.80665m/s ² (1G) less than 20Hz, 5.88m/s ² (0.6G) at 20 to 50Hz										

