





- **▲ Micro AC Inverter**
- ▲ Low Cost
- **▲** Space Saving Design
- ▲ NEMA 4 Option for Harsh Environments
- ▲ UL/cUL/CE Approved



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	Voltage			115V			230V					460V		
		Model # FM50-XXX-C		1P5	101	2P2	2P5	201	202	203	401	402	403	
	Output Characteristics	Nominal Motor Output HP (KW)	.25	.50	1	.25	.50	1	2	3	1	2	3	
			(0.2)	(0.4)	(0.75)	(0.2)	(0.4)	(0.75)	(1.5)	(2.2)	(0.75)	(1.5)	(2.2)	
		Inverter Capacity (KVA)	.53	.88	1.6	.53	.88	1.6	2.9	4	1.7	2.9	4	
		Rated Output Current (A)	1.4	2.3	4.2	1.4	2.3	4.2	7.5	10.5	2.3	3.8	5.2	
		Maximum Voltage	3-Phase, 200-230V 3-Phase, 380-460V											
		Rated Output Frequency	Up To 120Hz Available											
	Power Supply	Rated Input Voltage and Frequency	1-Phase 100-120V, 50 / 60Hz			1-Phase 200-230V, 50 / 60Hz			1/3-Phase 200-230V, 50 / 60Hz		3-Phase 380-460V, 50 / 60Hz			
		Voltage Fluctuation	+10% ~ -15%											
		Frequency Fluctuation	±5%											
SPECIFICATION	Control Characteristics	Digital Operator	Setup by ▲▼ Buttons											
		Input Signal Type	PNP Type (Source) Input (External 24VDC Input is Allowed)											
		Carrier Frequency	Adjustable											
		Frequency Control Range	1-120Hz (Sine Wave PWM)											
		Frequency Setting Resolution	Digital Operator Reference: 0.01Hz (0-99.9Hz); 1Hz (100-120Hz) Analog Reference: 0.06Hz / 60Hz											
ODUCT SI		Frequency Setting Signal	0~10VDC, 4~20mA, 0~20mA											
		Accel / Decel Time	0.1-999 Seconds											
		Braking Torque	Approximately 20% (No additional braking allowed)											
		Number of V / F Patterns	6 Preset V / F Patterns											
		Instantaneous Overcurrent	Approximately 200% of Rated Output Current (based on standard 4 pole motor)											
		Overload Capacity	150% Rated Output Current for One Minute											
		Overvoltage (460V Series)	When Inverter Output Voltage Exceeds 800VDC											
		Overvoltage (115 and 230V Series)	When Inverter Output Voltage Exceeds 410VDC											
	Protective	Undervoltage (460V Series)	When Inverter Output Voltage Drops to 400VDC or Below											
	Functions	Undervoltage (115 and 230V Series)	When Inverter Output Voltage Drops to 200VDC or Below											
0		Momentary Power Loss	0-2 Seconds (Inverter can be Restarted with Speed Search)											
		Fin Overheat	Thermostat											
		Stall Prevention	Stall Prevention at Acceleration / Deceleration and Constant Speed Operation											
		Ground Fault	Provided by Electronic Circuit											
		Short Circuit	Provided by Electronic Circuit											
	Environmental Conditions	Ambient Temperature	+14 to 104°F (-10 to 40°C) (Not Frozen)											
		Humidity	0-90% RH (Non-Condensing)											
		Vibration	Under 1G (9.8m/s²)											
	Enclosure Type UL Standard			IP20 (Standard), NEMA 4 (Option)										
				UL508C										
	CE Standard			EN50081-1, EN50082-2, EN50178 (with Optional Filter)										

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Mounting Screw or DIN Rail (Option)

Installation