Royce Cross Agencies

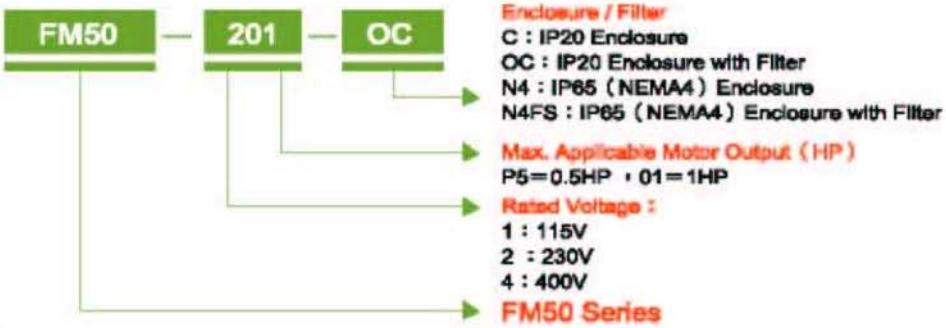
Electric Motor & Geared Sales

- Micro AC Inverter
- Low Cost
- Space Saving Design
- UL / cUL / CE Approved
- EMI Filter Built-in (Option)

PRODUCT SPECIFICATION

Voltage		115V		230V					400V		
Model # FM50-□□□-XXXX		1P2	1P5	2P2	2P5	201	202	203	401	402	403
Output Characteristics	Max. Applicable Motor Output HP (KW)	0.25 (0.2)	0.5 (0.4)	0.25 (0.2)	0.5 (0.4)	1 (0.75)	2 (1.5)	3 (2.2)	1 (0.75)	2 (1.5)	3 (2.2)
	Inverter Capacity (KVA)	0.53	0.88	0.53	0.88	1.6	2.9	4	1.7	2.9	4
	Rated Output Current (A)	1.4	2.3	1.4	2.3	4.2	7.5	10.5	2.3	3.8	5.2
	Max. Output Voltage	3-Phase,200-240V							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 200-240V,50/60Hz			1/3-Phase 200-240V,50/60Hz		3-Phase 380-460V,50/60Hz		
	Voltage Fluctuation	+10%~-15%									
	Frequency Fluctuation	±5%									
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: 0.1Hz (1-99.9Hz) ;1Hz (100-120Hz) Analog Reference:1Hz/60Hz									
	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									
Protective Functions	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									
	Undervoltage (460V Series)	When Inverter Output Voltage Drops to 400VDC or Below									
	Undervoltage (115 and 230V Series)	When Inverter Output Voltage Drops to 200VDC or Below									
	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 Cirult	Provided by Electronic Circuit									
Environmental Conditions	Enclosure	IP20 / IP65 (NEMA 4)									
	Ambient Temperature	-10 to 50℃									
	Humidity	0-95% RH (Non-Condensing)									
	Vibration	Under 1G (9.8m / s^2)									
UL		UL508C									
CE		EN50081-1,EN50082-2,EN50178									
Installation		Mounting Screw or DIN rail (option)									

Model Designation :



TECO ELECTRIC & MACHINERY CO., LTD.