

YASKAWA ELECTRIC CORPORATION

Current Vector Control General-Purpose Inverter Varispeed G7

Features

The world's very first inverter drive to use current vector control employing 3-level control.

- 3-level control puts to rest potential concerns with 400V class inverters such as surge voltage.
- Provides high performance and high functionality through realistic current vector control, operating a vast array of applications with tremendous accuracy.
- Fully MECHATROLINK compatible with an optional communication card.



Varispeed G7

Specifications

Item	Specifications	
Power Supply	200V (3-Phase)	400V (3-Phase)
Capacity Range	0.4kW to 110kW	0.4kW to 300kW
Control Method	Sine Wave PWM V/f, Vector Control, Open Loop Vector Control	
Output Frequency Range	0.01 to 400Hz	
Overload Tolerance	150% for 1 minute	
Accel/Decel Time	0.01 to 6000.0 sec (acceleration and deceleration times can be set separately)	
Protective Functions	Motor Protection, Momentary Overcurrent, Overload, Overvoltage, Undervoltage, Stall Prevention...	
Main Control Functions	PID Control, Energy Saving Control, Momentary Power Loss, Speed Search, Auto-Tuning...	
Interface	MECHATROLINK, RS-232C, RS422/485...	

MECHATROLINK specifications

		M- I	M- II	
		17-byte	17-byte	32-byte
Command	Inverter	×	×	×
Transmission cycle	=Comm. Cycle	2ms	500μs to 8ms	1ms to 8ms
	≠Comm. Cycle		2ms to 8ms	

Contact Information

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e-mechatronics.com <http://www.e-mechatronics.com/en/>