

YASKAWA ELECTRIC CORPORATION

Compact Vector Control Drive AC Drive V1000

Features

Always making application control easier, Yaskawa presents a powerful, extremely compact vector control drive.

- So advanced!
A single drive with so many uses, benefiting your application the more you use it.
- So easy!
Quick and easy installation, ready to run your application in no time. You'll be amazed how simple it is to use.
- Smallest in the world!
Top performance for its class. Loaded with functions and features in an unbelievably small package.



YASKAWA AC Drive
V1000

Specifications

Item	Specifications		
	200 V (Three-Phase)	200 V (Single-Phase)	400 V (Three-Phase)
Power Supply	200 V (Three-Phase)	200 V (Single-Phase)	400 V (Three-Phase)
Capacity Range	0.1 kW to 18.5 kW	0.1 kW to 3.7 kW	0.4 kW to 630 kW
Control Method	Open Loop Vector Control (Current Vector), V/f Control, PM Open Loop Vector Control		
Frequency Control Range	0.01 to 400 Hz		
Overload Tolerance	Normal Duty Rating: 120% of rated output current for 60s. Heavy Duty Rating: 150% of rated output current for 60s.		
Accel/Decel Time	0.00 to 6000.0 s (4 selectable combinations of independent acceleration and deceleration settings)		
Protection Functions	Motor Protection, Momentary Overcurrent Protection, Overload Protection, Overvoltage Protection, Undervoltage Protection, Ground Fault Protection...		
Main Control Functions	Momentary Power Loss Ride-Thru, Speed Search, Torque Limit, Accel/Decel Time Switch, Auto-Tuning, Overexcitation Deceleration, High Slip Braking, PID Control, Energy Saving Control, DriveWorksEZ (customization software), Removable Terminal Block with Parameter Backup...		
Interface	MECHATROLINK- II (optional), 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	

		M-III
Profile		Standard Inverter
Data size		32byte, 48byte
Transmission cycle		0.250ms to 8ms

Contact Information

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Contact Yaskawa's Product and Technical Website "e-mechatronics.com".

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