

WJ200 Series

Pursuing the Ideal Compact Inverter



Feature

Industry-leading Levels of Performance

- High starting torque of 200% or greater achieved by sensorless vector control (when sized for heavy duty).
- Speed regulation at low-speed is improved.
- Trip avoidance functions (Minimum time deceleration function and over-current suppress function).
- Simple positioning control (when feedback signal is used).
- Induction motor & Permanent magnetic motor* control with one inverter (*corresponds from Ver. 2.0).

Pursuit of Ease of Use

- Easy sequence [EzSQ] programming function.
- Safe stop function.
- Password function.
- USB (Mini-B connector) port and RS-422 (RJ45 connector) port are standard.
- Ease of wiring.
- Easy to maintain.
- Side-by-side installation.

Ease of Maintenance

- Long life time components (Design life time 10 years or more).
- Cooling fan ON/OFF control for longer fan life.
- Life time warning function.
- Easy-removable cooling fan.

Environmental Friendliness

- Micro surge voltage suppress function (Patent registered).
- EU RoHS compliant (ordered items).
- Varnish coating of internal PC board is standard. (Logic PCB and I / F PCB are excluded.)

Global standards

- Conformity to global standards. CE, UL, c-UL, C-Tick approvals.



- A serial RS-485 Modbus[®] RTU port is standard. DeviceNet[™], CompoNet[™], PROFIBUS[®] and CANopen with optional expansion card (planned).
- Wide input power voltage range. (Input voltage 200V to 240V for 200V class and 380V to 480V for 400V class as standard)
- Logic input and output terminal can be configured for sink or source logic.

WJ200 Series		0.1	0.2	0.4	0.75	1.5	2.2	3.0	3.7	4.0	5.5	7.5	11	15
Applicable motor rating in kW (HP)		(1/8)	(1/4)	(1/2)	(1)	(2)	(3)	(4)	(5)	(5)	(7.5)	(10)	(15)	(20)
1-phase200V	SF	●	●	●	●	●	●							
3-phase 200V	LF	●	●	●	●	●	●	●	●	●	●	●	●	●
3-phase400V	HF			●	●	●	●	●	●	●	●	●	●	●

●: Available

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 • DeviceNet is a trademark of Open DeviceNet Vendor Association.

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