

# 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

- Sequence operation is realized by downloading to an inverter a program created with Hitachi's ProDriveNext software.
- Safe stop function\*1. (Cat. 3, PLd to EN / ISO 13849-1 and SIL CL2 to EN 62061 / IEC 61508 / EN 61800-5-2)
- 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.
- Allows manual adjustment of the inverter output frequency by turning the optional potentiometer module.

Potentiometer Option



#### 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.
- 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\*2.



- A serial RS-485 Modbus® RTU port is standard. DeviceNet™, 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.

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Applicable motor rating in kW (HP)

		0.1 (1/8)	0.2 (1/4)	0.4 (1/2)	0.75 (1)	1.5 (2)	2.2 (3)	3.0 (4)	3.7 (5)	4.0 (5)	5.5 (7.5)	7.5 (10)	11 (15)	15 (20)
1-phase 100V	MF			●	●									
1-phase 200V	SF	●	●	●	●	●	●							
3-phase 200V	LF	●	●	●	●	●	●	●	●	●	●	●	●	●
3-phase 400V	HF			●	●	●	●	●	●	●	●	●	●	●

● : Available

• Modbus is a registered trademark of Modicon Inc. (Schneider Automation International).  
• DeviceNet is a trademark of Open DeviceNet Vendor Association.

\*1 : C version (SFC, LFU, HFC) and 1-phase 100V class is not certified.  
\*2 : 1-phase 100V class is for CE, UL and c-UL only.