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.



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

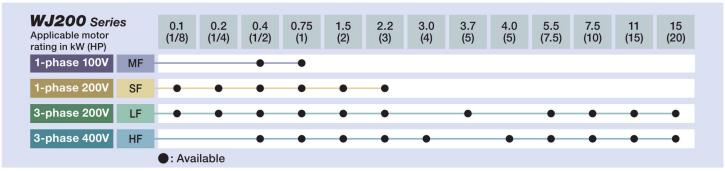
• Conformity to global standards. CE, UL, c-UL, C-Tick approvals*2.







- 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.



- 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.