

FR-D800 SERIES VFD

PRODUCT OVERVIEW



- **Quick wiring**
- **Ethernet communication**
- **Eco-friendly**
- **5-year warranty**

The FR-D800 Series variable frequency drive (VFD) builds upon the proven advantages of the FR-D700 Series. While maintaining its compact, class-leading design, the FR-D800 is now even easier to select and operate. As an environmentally friendly, next-generation compact inverter, it contributes to a more sustainable future.

Designed for simplicity and efficiency, the FR-D800 Series offers quick and easy setup across a wide range of applications, streamlining the commissioning process. Engineered for maximum versatility, it supports multiple motor types, integrates seamlessly with various communication networks, and performs reliably in diverse operating environments.

KEY BENEFITS:

- **Quicker wiring** – Spring clamp terminals have been adopted for control circuit terminals. Improves wiring efficiency with the flip-type front cover and the wiring cover integrated into the inverter.
- **Wide range of motors supported** – Not only induction motors but also PM motors are supported. Auto-tuning function simplifies motor setup.
- **Ethernet communication** – Single-port Ethernet models are available.
- **Eco-friendly solution for a sustainable future** – Helps reduce running cost and CO2 emissions by using high-efficiency motors and reducing standby power.

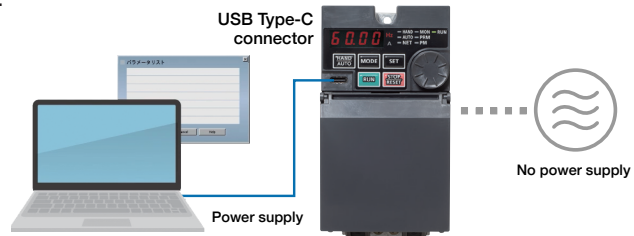
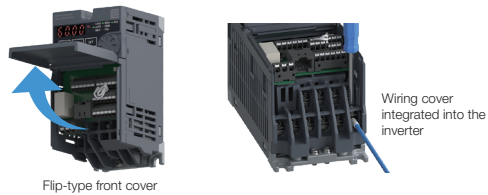
- **Side-by-side installation** – Improved flexibility of panel design allows users to select the most suitable layout for the intended installation area.
- **Settings accessible with only USB power connection required** – With the power supplied from a computer (USB bus power connection), parameters can be set straight out of the box.
- **Dual rating** – ND for 150% overload capability and SLD for 110% overload capability.
- **Advanced magnetic flux vector control** – This control method enables stable operation in applications that require high-torque in the low-speed range.
- **5-year warranty** – High-quality product backed by comprehensive warranty for extra peace of mind.



Features

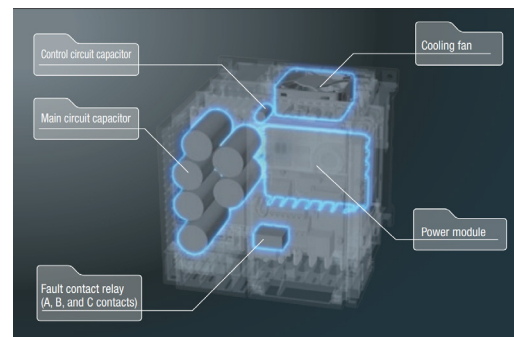
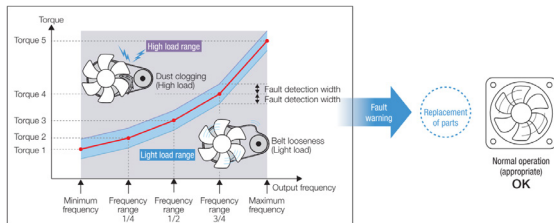
Ease of Use

Integrated flip-type front cover and no screw tightening required. Parameters can be set without the need to power the main circuit by utilizing the USB power on a computer.



Improved Maintainability

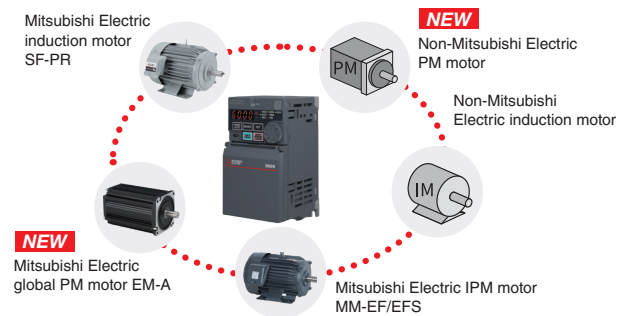
Enhanced monitoring functions for predictive maintenance and planned maintenance.



This function is conceptually illustrated and not the actual layout.

Support for Various Motors

Control of both induction motors and synchronous (PM) motors. Motor setup is achieved using the auto-tuning function.



Use in Harsh Environments

Expanded ambient temperature range and printed circuit board coating are provided for improved environmental protection.



Water treatment plant



Painting line

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L-VH-04106