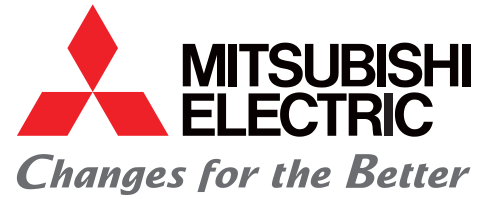




for a greener tomorrow



# FR-D700 SERIES FOR FAN AND PUMP CONTROL

## Product Overview



FR-D700 is the ideal workhorse drive for small pump and fan control in HVAC applications. Thanks to its integrated component design, FR-D700 is extremely compact and has an enviable reputation for durability and maintenance free operation in punishing environments.

### KEY BENEFITS:

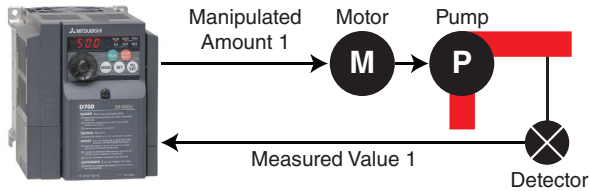
- **Highly Compact Designs** – Suitable for all motors up to 10HP in size; offers a reduced installation footprint and simple mounting in enclosures or plenums.
- **50° Rating** – Operates at full load in ambient temperatures up to 50°C (122°F) – allows more compact enclosure designs where air flow may be restricted.
- **Intelligent Power Module Technology** – Lower component counts and far less maintenance or down-time.
- **Energy Optimization system** – Intelligently adapts output voltage to load, resulting in cooler and quieter motor operation and improved efficiency.
- **Integral PID Control** – Maintains variables such as water pressure or air temperature independently if necessary.
- **Fast Set-Up** – Compatible with Mitsubishi Electric's FR-Configurator set-up software to speed up programming time on site or during panel assembly.
- **Anti-Windmill Feature** – Will catch a 'wind-milling' fan or a back-spinning pump motor, ensuring a smooth start-up every time, whatever happens
- **5 Year Warranty** – For added peace of mind



# FR-D700 Series for Fan and Pump Control – Product Overview

## INTEGRAL PID CONTROL

Maintains variables such as water pressure or air temperature independently if necessary.



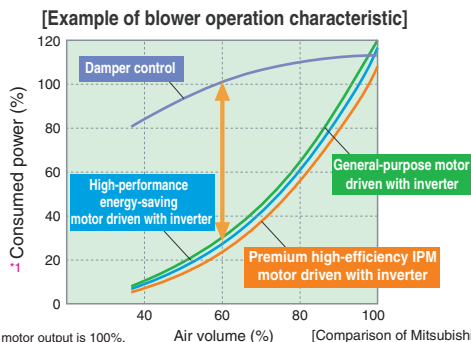
## COMPACT DESIGN

FR-D700 can be installed in a cabinet ‘bookshelf style,’ reducing total installation space inside the control panel.



## ENERGY OPTIMIZATION

Embedded control algorithms are used to continuously adjust the output voltage to match the load, resulting in lower overall current usage. This translates to cooler running motors, reduced operational and maintenance costs.



\*1: Rated motor output is 100%. [Comparison of Mitsubishi products]

## EASE OF INSTALLATION

The FR-D700 design is proven to be ideal for both confined and environmentally harsh locations. Whether planning installations in a temperature controlled cabinet section or even in the high ambient/high humidity blower sections of the air handling unit (AHU), the FR-D700 is flexible enough to meet the challenges.

## 5 YEAR WARRANTY



## MITSUBISHI ELECTRIC AUTOMATION, INC.

500 Corporate Woods Parkway, Vernon Hills, IL 60061  
Ph 847.478.2100 • Fx 847.478.2253

[us.MitsubishiElectric.com/fa/en](http://us.MitsubishiElectric.com/fa/en)

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