

# The Compact Drive Solution

FR-E700

PRODUCT FLYER



The FR-E700 provides outstanding operability and diverse expandability while offering high reliability and easy maintenance.



## Simple Operation

The integrated control unit with the one-touch digital dial gives the user direct access to all important parameters. Additionally, parameters can be entered and shown on the integrated LCD display.



## Long Lifetime

The FR-E700 is designed for a service life over 10 years. This was possible by high performance heat resistant capacitors and cooling fans.



## Flexible Communication

Plug-in options supporting digital input, analog output extension, and a variety of communications networks such as CC-Link, DeviceNet and PROFIBUS-DP. Functions can be added with option cards and additional IO modules.

## Features

- » Simple and fast installation
- » Powerful software FR-configurator
- » Compact
- » Integrated USB port
- » Communication options
- » Expandable
- » Automatic restart after power failures
- » Self-diagnosis
- » Torque limiting

# SPECIFICATIONS

FR-E740 (kW)		0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15
FR-E740-□□□SC-EC		016	026	040	060	095	120	170	230	300
Output	Rated capacity (kVA)	1.2	2.0	3.0	4.6	7.2	9.1	13.0	17.5	23.0
	Rate current (A)	1.6	2.6	4.0	6.0	9.5	12	17	23	30
	Overload current rating	150% 60 s, 200% 3 s (inverse-time characteristics)								
	Rated voltage	Three-phase 380 to 480 V								
	Regenerative braking torque	100%			50%			20%		
Power supply	Rated input AC voltage/frequency	Three-phase 380 to 480 V 50 Hz/60 Hz (537 to 679 VDC)								
	Permissible AC voltage fluctuation	325 to 528 V 50 Hz/60 Hz (457 to 740 VDC)								
	Permissible frequency fluctuation	±5%								
	Power supply capacity (kVA)	1.5	2.5	4.5	5.5	9.5	12	17	20	28
Protective structure (JEM1030)		Enclosed type (IP20) Open type (IP00) for the FL remote communication model, CC-Link communication model, and the dedicated EtherCAT communication model.								
Cooling system		Natural			Forced air cooling					
Approximate mass (kg)		1.4	1.4	1.9	1.9	1.9	3.2	3.2	6.0	6.0

## Notes:

EMC directive compliant noise filter. Noise filter option which is compatible with EMC directive (EN61800-3 2nd Environment Category C3) is available. Refer to catalogue for options and accessories.

## Catalogue

<https://bit.ly/FR-E700>

## e-Learning

<https://www.mitsubishielectric.com/fa/assist/e-learning/eng.html>

For further information contact



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