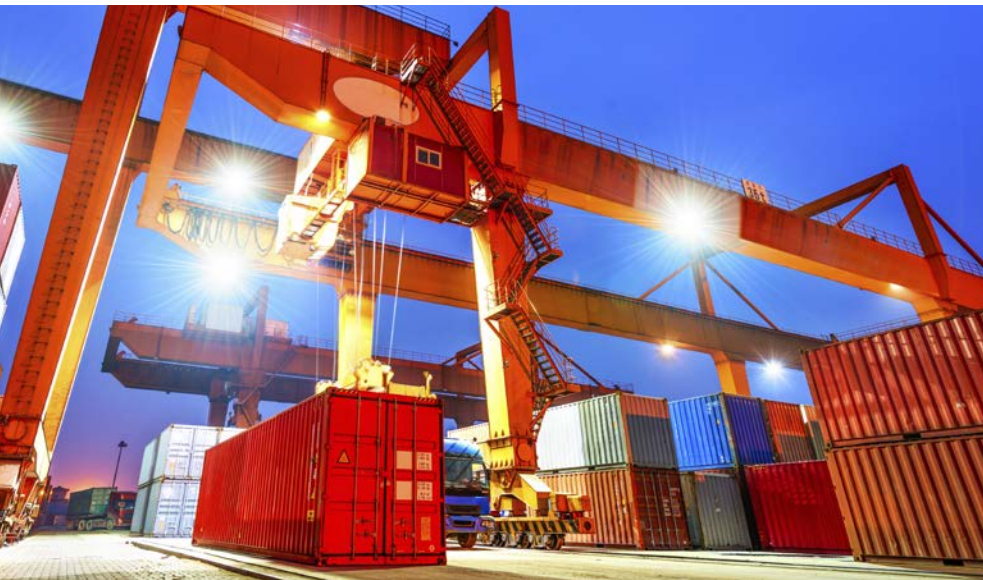




for a greener tomorrow

# FR-A800-E HIGH PERFORMANCE

## Special frequency inverter for industrial engineering and plant construction



- Simple commissioning
- High performance
- Reliability
- Predictive Maintenance

### Solution

- Special functions for engineering and plant construction integrated in the frequency inverter:
  - Vector control
  - Servo functionality
  - Positioning
  - Networkability
  - Firmly integrated crane functions Anti Sway
- Simple commissioning, high functionality, and long service life
- Integral PLC in the inverter
- Integrated safety functions (STO)
- Innovative autotuning functions for asynchronous and synchronous motors
- Braking without brake resistor
- Extended PID control
- Smart Condition Monitoring matched to our FR-A800-E, with clear text display for predictive maintenance and shutdown planning

**With every first purchase of a FR-A800-E, one LU08 plain text display per customer is delivered free.\***

The LU08 is a plain text display for the A800 and F800 frequency inverters. Thanks to its convenient operation, it permits simple commissioning. The integral "Digital Dial" of the operating unit gives the user direct access to all important parameters and to pre-configured functions such as the Easy Setup. The panel provides full text displays in up to 15 languages, plus a real-time clock.



\* When ordering, please indicate "LU08 campaign". This offer is valid until 31.12.2019

# FR-A800-E – High Performance

## Added value

- Designed for at least 10 years of service
- More than 300 functional tests during production
- Top quality with a standard 3-year warranty starting from date of production
- FR Configurator commissioning tool complete with programming software for the integral PLC in the frequency inverter can be downloaded free from MyMitsubishi
- 12 different networking options
- Intelligent maintenance functions such as maintenance timer and tests of capacitor/ventilator
- In-house semiconductor development and production



## Ordering data

All further data and ordering information is provided in our "FR Family" catalog, which you can access with the following QR code:



## Overview of FR-A800-E frequency inverters

ART.-NO.	TYPE	SHORT DESCRIPTION
297566	FR-A840-00023-E2-60	Inverter AC; Pn: 0,25-0,75kW; 3x380-500V; In max: 2,3A;(0,4kW; 1,5A); IP20
297567	FR-A840-00038-E2-60	Inverter AC; Pn: 0,4-1,5kW; 3x380-500V; In max: 3,8A;(0,75kW; 2,54A); IP20
297568	FR-A840-00052-E2-60	Inverter AC; Pn: 0,75-2,2kW; 3x380-500V; In max: 5,2A;(1,5kW; 4A); IP20
297569	FR-A840-00083-E2-60	Inverter AC; Pn: 1,5-3,7kW; 3x380-500V; In max: 8,3A;(2,2kW; 6A); IP20
297570	FR-A840-00126-E2-60	Inverter AC; Pn: 2,2-5,5kW; 3x380-500V; In max: 12A;(3,7kW; 9A); IP20
297571	FR-A840-00170-E2-60	Inverter AC; Pn: 3,7-7,5kW; 3x380-500V; In max: 17A;(5,5kW; 12A); IP20
297572	FR-A840-00250-E2-60	Inverter AC; Pn: 5,5-11kW; 3x380-500V; In max: 25A;(7,5kW; 17A); IP20
297573	FR-A840-00310-E2-60	Inverter AC; Pn: 7,5-15kW; 3x380-500V; In max: 31A;(11kW; 23A); IP20
297574	FR-A840-00380-E2-60	Inverter AC; Pn: 11-18,5kW; 3x380-500V; In max: 38A;(15kW; 31A); IP20
297575	FR-A840-00470-E2-60	Inverter AC; Pn: 15-22kW; 3x380-500V; In max: 47A;(18,5kW; 38A); IP20
297576	FR-A840-00620-E2-60	Inverter AC; Pn: 18,5-30kW; 3x380-500V; In max: 62A;(22kW; 44A); IP20
297577	FR-A840-00770-E2-60	Inverter AC; Pn: 22-37kW; 3x380-500V; In max: 77A;(30kW; 57A); IP00

Note: From FR-A840-01800 upwards, a DC link choke must be used.

ART.-NO.	TYPE	SHORT DESCRIPTION
297578	FR-A840-00930-E2-60	Inverter AC; Pn: 30-45kW; 3x380-500V; In max: 93A;(37kW; 71A); IP00
297579	FR-A840-01160-E2-60	Inverter AC; Pn: 37-55kW; 3x380-500V; In max: 116A;(45kW; 86A); IP00
297580	FR-A840-01800-E2-60	Inverter AC without DC Choke; Pn: 45-90kW; 3x380-500V; In max: 180A;(55kW; 110A); IP00
297581	FR-A840-02160-E2-60	Inverter AC without DC Choke; Pn: 55-110kW; 3x380-500V; In max: 216A;(75kW; 144A); IP00
297582	FR-A840-02600-E2-60	Inverter AC without DC Choke; Pn: 75-132kW; 3x380-500V; In max: 260A;(90kW; 180A); IP00
297583	FR-A840-03250-E2-60	Inverter AC without DC Choke; Pn: 90-160kW; 3x380-500V; In max: 325A;(110kW; 216A); IP00
297584	FR-A840-03610-E2-60	Inverter AC without DC Choke; Pn: 110-185kW; 3x380-500V; In max: 361A;(132kW; 260A); IP00
297585	FR-A840-04320-E2-60	Inverter AC without DC Choke; Pn: 132-220kW; 3x380-500V; In max: 432A;(160kW; 325A); IP00
297586	FR-A840-04810-E2-60	Inverter AC without DC Choke; Pn: 160-250kW; 3x380-500V; In max: 481A;(185kW; 361A); IP00
297587	FR-A840-05470-E2-60	Inverter AC without DC Choke; Pn: 185-280kW; 3x380-500V; In max: 547A;(220kW; 432A); IP00
297588	FR-A840-06100-E2-60	Inverter AC without DC Choke; Pn: 220-315kW; 3x380-500V; In max: 610A;(250kW; 481A); IP00
297589	FR-A840-06830-E2-60	Inverter AC without DC Choke; Pn: 250-355kW; 3x380-500V; In max: 683A;(280kW; 547A); IP00

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