

FR-F800-E – FANS PUMPS COMPRESSORS

Special frequency inverter for ventilation applications in building automation and industrial plants



- Simple commissioning
- Energy efficiency
- Reliability
- Predictive maintenance

Solution

- Special functions for ventilation fans integrated in the frequency inverter:
 - Cleaning function
 - Cascade control
 - Fire mode function
 - 2 PID control loops
 - Belt monitoring
- Simple commissioning, high functionality, and long service life for fans
- Integral PLC in the inverter
- Integrated safety functions (STO)
- Smart Condition Monitoring matched to our FR-F800-E, with clear text display for predictive maintenance and shutdown planning
- With integral interference filter
- Including PTC thermistor evaluation

With every first purchase of a FR-F800-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-F800-E – Fans Pumps Compressors

Added value

- Ventilator fan and capacitors designed for at least 10 years of service
- Top quality with a standard 3-year warranty starting from date of production
- More than 300 functional tests during production
- Intelligent maintenance functions such as maintenance timer and tests of capacitor/ventilator
- FR Configurator commissioning tool complete with programming software for the integral PLC in the frequency inverter can be downloaded free from MyMitsubishi
- 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-F800-E frequency inverters

ART.-NO.	TYPE	SHORT DESCRIPTION
307171	FR-F840-00023-E2-60	Inverter; Rated Power: 0,75kW; 3x380-500V; In max: 2,3A;(0,75kW; 2,3A);IP20
307172	FR-F840-00038-E2-60	Inverter; Rated Power: 1,5kW; 3x380-500V; In max: 3,8A;(1,5kW; 3,8A);IP20
307173	FR-F840-00052-E2-60	Inverter; Rated Power: 2,2kW; 3x380-500V; In max: 5,2A;(2,2kW; 5,2A);IP20
307174	FR-F840-00083-E2-60	Inverter; Rated Power: 3,7kW; 3x380-500V; In max: 8,3A;(3,7kW; 8,3A);IP20
307215	FR-F840-00126-E2-60	Inverter; Rated Power: 5,5kW; 3x380-500V; In max: 12,6A;(5,5kW; 12,6A);IP20
307216	FR-F840-00170-E2-60	Inverter; Rated Power: 7,5kW; 3x380-500V; In max: 17A;(7,5kW; 17A);IP20
307217	FR-F840-00250-E2-60	Inverter; Rated Power: 11kW; 3x380-500V; In max: 25A;(11kW; 25A);IP20
307218	FR-F840-00310-E2-60	Inverter; Rated Power: 15kW; 3x380-500V; In max: 31A;(15kW; 31A);IP20
307219	FR-F840-00380-E2-60	Inverter; Rated Power: 18,5kW; 3x380-500V; In max: 38A;(18,5kW; 38A);IP20
307220	FR-F840-00470-E2-60	Inverter; Rated Power: 22kW; 3x380-500V; In max: 47A;(22kW; 47A);IP20
307221	FR-F840-00620-E2-60	Inverter; Rated Power: 30kW; 3x380-500V; In max: 62A;(30kW; 62A);IP20
307222	FR-F840-0077A-E2-60	Inverter; Rated Power: 37kW; 3x380-500V; In max: 77A;(37kW; 77A);IP00

ART.-NO.	TYPE	SHORT DESCRIPTION
307223	FR-F840-00930-E2-60	Inverter; Rated Power: 45kW; 3x380-500V; In max: 93A;(45kW; 93A);IP00
307224	FR-F840-01160-E2-60	Inverter; Rated Power: 55kW; 3x380-500V; In max: 116A;(55kW; 116A);IP00
307225	FR-F840-01800-E2-60	Inverter; Rated Power: 75-90kW; 3x380-500V; In max: 180A;(75,90kW; 180A);IP00
307226	FR-F840-02160-E2-60	Inverter; Rated Power: 90-110kW; 3x380-500V; In max: 216A;(110kW; 216A);IP00
307227	FR-F840-02600-E2-60	Inverter; Rated Power: 110-132kW; 3x380-500V; In max: 260A;(132kW; 260A);IP00
307228	FR-F840-03250-E2-60	Inverter; Rated Power: 132-160kW; 3x380-500V; In max: 325A;(160kW; 325A);IP00
307229	FR-F840-03610-E2-60	Inverter; Rated Power: 160-185kW; 3x380-500V; In max: 361A;(185kW; 361A);IP00
307230	FR-F840-04320-E2-60	Inverter; Rated Power: 185-220kW; 3x380-500V; In max: 432A;(220kW; 432A);IP00
307231	FR-F840-04810-E2-60	Inverter; Rated Power: 220-250kW; 3x380-500V; In max: 481A;(250kW; 481A);IP00
307232	FR-F840-05470-E2-60	Inverter; Rated Power: 250-280kW; 3x380-500V; In max: 547A;(280kW; 547A);IP00
307233	FR-F840-06100-E2-60	Inverter; Rated Power: 280-315kW; 3x380-500V; In max: 610A;(315kW; 610A);IP00

Note: From FR-F800-1800-xx upwards, a DC link choke must be used

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