

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 31.12.2018

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

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

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

European Offices

Country	Company Name	Address	Phone
Germany	Mitsubishi Electric Europe B.V.	Mitsubishi-Electric-Platz 1 D-40882 Ratingen	+49 (0)2102 / 486-0
Czech Rep.	Mitsubishi Electric Europe B.V.	Phlatkova 61/7 CZ-155 00 Praha 5	+420 255 719 200
France	Mitsubishi Electric Europe B.V.	25, Boulevard des Bouvets F-92741 Nanterre Cedex	+33 (0)1 55 68 55 68
Italy	Mitsubishi Electric Europe B.V.	Viale Colleoni 7 Palazzo Siro I-20864 Agrate Brianza (MB)	+39 039 / 60 53 1
Ireland	Mitsubishi Electric Europe B.V.	Westgate Business Park, Ballymount IRL-Dublin 24	+353 (0)1 4198800
Netherlands	Mitsubishi Electric Europe B.V.	Nijverheidsweg 238 NL-3641RP Mijdrecht	+31 (0) 297 250 350
Poland	Mitsubishi Electric Europe B.V.	ul. Krakowska 50 PL-32-083 Balice	+48 (0) 12 347 65 00
Russia	Mitsubishi Electric (Russia) LLC	2 bld. 1, Letnitskaya st. RU-115114 Moscow	+7 495 / 721 2070
Spain	Mitsubishi Electric Europe B.V.	Carrer de Puig 76-80 Apdo. 420 E-08190 Sant Cugat del Valles (Barcelona)	+34 (0) 93 / 563131
Sweden	Mitsubishi Electric Europe B.V. (Scandinavia)	Hedvig Möllers gata 6 SE-223 55 Lund	+46 (0) 8 625 10 00
Turkey	Mitsubishi Electric Turkey Elektrik Ürünleri A.Ş.	Serifi Mahallesi Nuruk Sokak No:5 TR-34775 Ümraniye-İSTANBUL	+90 (216) 969 25 00
UK	Mitsubishi Electric Europe B.V.	Travellers Lane UK-Hatfield, Herts. AL10 8XB	+44 (0)707 / 28 87 80
UAE	Mitsubishi Electric Europe B.V.	Dubai Silicon Oasis United Arab Emirates - Dubai	+971 4 3724716

Representatives

Country	Company Name	Address	Phone
Austria	Electrobit ÖÖ	Pfarrm. 160i EST-11317, Tallinn	+372 6518 140
Belarus	UTU Automation Oy	Prilite's BY-220125 Minsk	+375 (0)17 / 393 1177
Bosnia and Herzegovina	UTECO A.B.E.E.	S. Marogranov Str. GR-18542 Pireaus	+30 (0)21 / 1206-900
Bulgaria	MELTRADE Kft.	Ferdi utca 14. HU-1107 Budapest	+36 (0)1 / 431-9726
Croatia	TOD Kazzpromavtomatika	Ul. Zhambyla 28 KAZ-100017 Karaganda	+7 7272 / 30 10 00
Czech Republic	OAK Integrator Products SIA	Kalkova 1053/3 CZ-702 00 Ostrava 2	+420 595 691 150
Denmark	Automatiks Centras, UAB	Theligaards for 1 DK-4600 Køge	+45 4320 8600
Estonia	ALFATRADE Ltd.	99, Paola Hill Malta-Paola PLA 1702	+356 (0)21 / 697 816
Finland	INTEHSIS SRL	bld. Itaian 23/1 MD-2060 Kishinev	+373 (0)22 / 66 4242
Greece	Fonseca S.A.	R. João Francisco do Casal 87/89 PT-3801-997 Aveiro, Esqueira	+351 (0)234 / 333 900
Hungary	Sirus Trading & Services	Areea Lacul Morii Nr. 3 RO-060841 Bucuresti, Sector 6	+40 (0)21 / 430 40 06
Kazakhstan	INEA SR d.o.o.	Ul. Karadortjeva 12/217 SER-11300 Smederevo	+386 (026) 461 54 01
Latvia	OAK Integrator Products SIA	Ritasmans iela 23 LV-1058 Riga	+371 67842280
Lithuania	Automatiks Centras, UAB	Neries krantinė 144-101 LT-48397 Kaunas	+370 37 262707
Malta	ALFATRADE Ltd.	99, Paola Hill Malta-Paola PLA 1702	+356 (0)21 / 697 816
Moldova	INER RBT d.o.o.	Stepne 11 SI-1000 Ljubljana	+386 (0)1 / 513 8116
Portugal	OMNI RAY AG	Im Schöbels CH-8600 Dübendorf	+41 (0)44 / 802 28 80
Romania	CSC - AUTOMATION Ltd.	4 B, Yevhena Sverstykua Str. UA-02002 Kiev	+380 (0)44 / 494 33 44
Slovakia	EIM Energy	3 Roxy Square ET-11341 Heliopolis, Cairo	+202 24552539
Slovenia	SHERF MOTION TECHN. Ltd.	Retov Hamerikava 19 IL-58851 Holon	+972 (0)3 / 559 54 62
Switzerland	CEC LIBAN	Cebaco Center/Block A Autostrade DORA Lebanon-Beirut	+961 (0)1 / 240 445
Ukraine	ADROIT TECHNOLOGIES	20 Waterford Office Park, 189 Wilkoppen Road ZA-Fourways	+27 (0)11 / 658 8100
Egypt	EIM Energy	3 Roxy Square ET-11341 Heliopolis, Cairo	+202 24552539
Israel	SHERF MOTION TECHN. Ltd.	Retov Hamerikava 19 IL-58851 Holon	+972 (0)3 / 559 54 62
Lebanon	CEC LIBAN	Cebaco Center/Block A Autostrade DORA Lebanon-Beirut	+961 (0)1 / 240 445
South Africa	ADROIT TECHNOLOGIES	20 Waterford Office Park, 189 Wilkoppen Road ZA-Fourways	+27 (0)11 / 658 8100

Version check



Art. no. 322379-A

Mitsubishi Electric Europe B.V.

FA - European Business Group
Mitsubishi-Electric-Platz 1
D-40882 Ratingen Germany
Tel.: +49(0)2102-4860 Fax: +49(0)2102-4861120
info@mitsubishi-automation.com
https://eu3a.mitsubishielectric.com

Specifications subject to change. All trademarks and copyrights acknowledged.

Printed October 2017