



PRODUCTS
BROCHURE 2014





EURA Drives A Drives Company

EURA Drives as a professional company on the drives business market has 22 year's experiences. Our more than 1000 high motivated employees all over the world contribute to the success and the rapid growth of EURA Drives. The best trained drives experts in Europe guarantee the professional support and services for our customers. The central stock at the European headquarters in Hamburg makes it possible for the full availability and quick delivery for all our products. All products are compliant with international standards. Individual approvals, performed and certified by independent bodies, give our customers the trust in a world class products.



2010

2011

2012

2013

2014

CONTENTS

■ FREQUENCY INVERTER

| | |
|---------|----|
| E 800 | 05 |
| E 2000 | 09 |
| EM 30 | 13 |
| EP 66 | 17 |
| E 2000Q | 21 |

■ PERMANENT MAGNET MOTOR

| | |
|------|----|
| EVPM | 25 |
|------|----|

■ APPLICATION

| | |
|---|----|
| WATER SUPPLY - BOOSTER STATION ESCALATOR / ELEVATOR CONTROL | 29 |
| PROCESS COOLING / REFRIGERATION COMPRESSORS | 30 |
| VENTILATION - BLOWER WASHING - DYING MACHINES | 31 |
| AIR CONDITIONING - HEATING MATERIAL HANDLING - CONVEYORS - PACKAGING MACHINES | 32 |
| MIXER - BIO-ENERGY PLANTS WASTEWATER TREATMENT | 33 |
| BUILDING AUTOMATION TEXTILE MACHINERY - FIBER PROCESSING | 34 |



■ FREQUENCY INVERTER
E 800

0.2 kW - 450 kW

E 800 - Technical product data



- ▶ All I/O channels programmable, two 12 Bit analogue inputs, to concatenate each other
- ▶ Build in PID controller, with specific HVAC functions
- ▶ MODBUS interface, for inverter control, and for reading and setting of all inverter I/O hardware channels
- ▶ In this way, the inverter I/O hardware can be implemented in subordinated control systems
- ▶ Control mode: V/Hz control for asynchronous motor, SENSORLESS control for Permanent Magnet Synchronous Motor - PMSM
- ▶ Intelligent voltage, current and carrier frequency adjustment functions, “catch on the fly” function.
- ▶ PC-Software, for inverter control and programming, diagnosis and troubleshooting
- ▶ Smart parameter copy tools

| | | |
|---|---|---|
| Power input | Supply voltage | 3-Phase 380 - 460V +/- 15% 3-Phase 230V +/-15% 1-Phase 230V +/-15% |
| | Input frequency | 44...67 Hz |
| | EMC filter | Integrated for second environment (industrial area) - option for first environment (residential area) |
| Motor output | Output voltage | 0.....V-input |
| | Output frequency | 0,5.....650 Hz |
| | Overload capability | 120% - 60 sec / 15 min |
| Control-Mode | V/Hz | Linear, Variable torque curve, user programmable curve |
| | PWM frequency | 800...10000Hz (FIXED / RANDOM) |
| Display | LED 7-segment display | Programmable, to display various inverter and working parameters |
| Control hardware (I/O) | Digital inputs | 5 dig. inputs (PNP/NPN) |
| | Analogue inputs | 2 x 12 BIT analogue inputs 0...10V, 0(4).....20 mA) |
| | Analogue outputs | 1 analogue output, to assign to various functions (0...10V, 0..20 mA) |
| | Digital outputs | 2 digital outputs (free assignment to different functions) |
| | Relais | 1 switchover contact 5 A 230 V (programmable function) |
| | MODBUS | Inverter control, reading and setting of all inverter I/O channels |
| Specials | Aux. power supply | Auxiliary power supply: 24V / 50 mA – on terminals 10V potentiometer power supply |
| | Protection functions with Fault memory | Electrical protections |
| Thermal protections | | Inverter overtemperature, motor-overload Pxt |
| Optionals and accessories | | Display / keypad |
| | Brake | Brake resistors for all kind of applications |
| | PC-Link Software | Smart tool for parameter setting, control an diagnosis |
| | Fieldbus | Gateway modules for all commonly used bus technologies |
| Environmental and operating conditions | Parameter copy stick | Smart tool for parameter storage and duplication |
| | Protection degree | IP20 / IP21 (option) |
| | Operating temperature | -10.....+50 °C |
| | Humidity | Max. 90 % non condensing, non corrosive |
| Altitude | 1000 m, above derating of 1% / 100m | |

E 800 – 230 / 240V Inverters

Inverter E800 - 1 x 230V / 240V

| Model | Rated current | Frame-size | Dimensions (WxHxD-mm) | Brake resistor min.value |
|--------------|-----------------|------------|-----------------------|--------------------------|
| E800-0004 S2 | 0,4 kW - 2.5 A | E1 | 80x138x135 | 80 Ohm/200W |
| E800-0007 S2 | 0,75 kW - 4.5 A | | | |
| E800-0015 S2 | 1,5 kW - 7 A | E2 | 106x180x150 | |
| E800-0022 S2 | 2,2 kW - 10 A | | | |

Inverter E800 - 3 x 230V / 240V

| Model | Rated current | Frame-size | Dimensions (WxHxD-mm) | Brake resistor min.value |
|--------------|-----------------|------------|-----------------------|--------------------------|
| E800-0004 T2 | 0,4 kW - 2,5 A | E1 | 80x138x135 | 80 Ohm/200W |
| E800-0007 T2 | 0,75 kW - 4,5 A | | | |
| E800-0015 T2 | 1,5 kW - 7 A | E2 | 106x180x150 | |
| E800-0022 T2 | 2,2 kW - 10 A | | | |

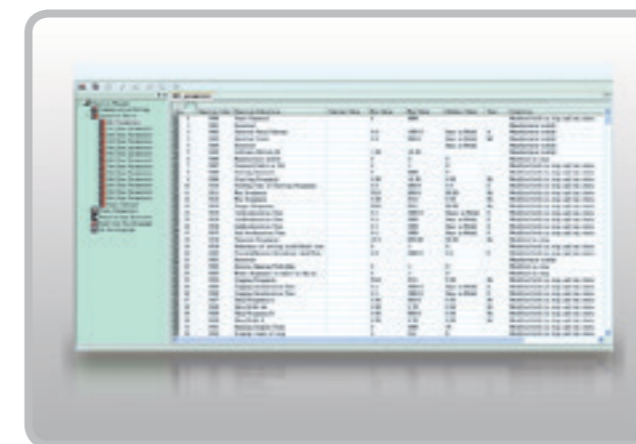
E 800 – 400 / 460V Inverters

Inverter E800 - 3 x 400V / 460V

| Model | Rated current | Frame-size | Dimensions (WxHxD-mm) | Brake resistor min.value |
|--------------|----------------|------------|-----------------------|--------------------------|
| E800-0007-T3 | 0,75 kW - 2 A | E2 | 106x180x150 | 150 Ohm/80W |
| E800-0015-T3 | 1,5 kW - 4 A | | | 150 Ohm/150W |
| E800-0022-T3 | 2,2 kW - 6,5 A | | | 150 Ohm/150W |
| E800-0030-T3 | 3,0 kW - 7 A | E3 | 106x180x150 | 150 Ohm/300W |
| E800-0040-T3 | 4,0 kW - 9 A | E4 | 138x235x152 | 150 Ohm/400W |
| E800-0055-T3 | 5,5 kW - 11 A | | | 100 Ohm/550W |
| E800-0075-T3 | 7,5 kW - 14 A | E5 | 156x265x170 | 100 Ohm/750W |
| E800-0110-T3 | 11 kW - 20 A | | | 100 Ohm/1.1kW |
| E800-0150-T3 | 15 kW - 26 A | E6 | 205x340x196 | 50 Ohm/1.5kW |
| E800-0185-T3 | 18,5 kW - 35 A | | | 50 Ohm/2.0kW |
| E800-0220-T3 | 22 kW - 40 A | | | 50 Ohm/2.2kW |
| E800-0300-T3 | 30 kW - 50 A | C3 | 265x435x235 | 25 Ohm/3.0kW |
| E800-0370-T3 | 37 kW - 68 A | | | 25 Ohm/3.0kW |

Inverter E800 - 3 x 400V / 460V

| Model | Rated current | Frame | Dimensions (WxQHxD-mm) | Brake resistor min.value |
|--------------|----------------|-------|------------------------|--------------------------|
| E800-0450-T3 | 45 kW - 82 A | C4 | 314x480x235 | 15 Ohm/4.5kW |
| E800-0550-T3 | 55 kW - 98 A | C5 | 360x555x265 | 15 Ohm/5.5kW |
| E800-0750-T3 | 75 kW - 130 A | C5 | | |
| E800-0900-T3 | 90 kW - 165 A | C6 | 410x630x300 | 8 Ohm/9.0kW |
| E800-1100-T3 | 110 kW - 200 A | C6 | | |
| E800-1320-T3 | 132 kW - 240 A | C7 | 516x760x326 | Optional brake-unit |
| E800-1600-T3 | 160 kW - 290 A | C7 | | |
| E800-1800-T3 | 180 kW - 340 A | C8 | 560x900x342 | |
| E800-2000-T3 | 200 kW - 380 A | C9 | 400x1300x385 | |
| E800-2200-T3 | 220 kW - 420 A | CA | 535x1330x380 | |
| E800-2500-T3 | 250 kW - 460 A | CA | | |
| E800-2800-T3 | 280 kW - 500 A | CB0 | 600x1450x380 | |
| E800-3150-T3 | 315 kW - 550 A | CB0 | | |
| E800-3550-T3 | 355 kW - 610 A | CB0 | 600x1580x380 | |
| E800-4000-T3 | 400 kW - 670 A | CB | | |
| E800-4500-T3 | 450 kW - 730 A | CB | | |



PC-SOFTWARE



CONVERTER &
PARAMETER COPY BOX