EURA
DRIVES®

ver. 01/2019

ENGLISH

E600
FREQUENCY INVERTER

0.4 kW - 5,5 kW

www.hfinverter.com

E600 0.4 kW - 5,5 kW
FREQUENCY INVERTER

HIGHLIGHTS

Best performance/cost ratio, without compromise in reliability and quality

Compact design, easy to integrate in your environment: DIN rail mounting, contactor-style I/O

Easy to setup: Simple set of optimized parameters for all basic functions and applications

PID and HVAC functions - safety integrated - MODBUS - open for networking

Internal EMC filter as standard: Ready for CE market

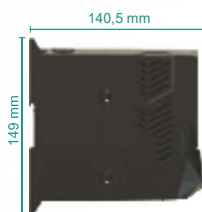Economical mass production on high automated and dedicated SMT lines

General purpose drive - made for the worldwide market (CE/UL/CCC)

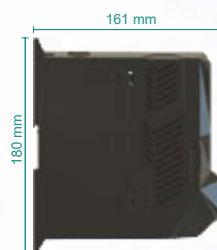Approved and certified by European independent bodies

FRAMESIZE

88 mm	140,5 mm	106 mm	161 mm
149 mm	149 mm	180 mm	180 mm

Q1		Q2	

Model	Motor Power (kW)	Rated Current Output (A)	Structure Code	Weight (kg)	Cooling Mode
E600-0004S2Q1U1F2AG03B1R3	0,4 kW	2,5	Q1	0,45	Self-cooling
E600-0007S2Q1U1F2AG03B1R3	0,75 kW	4,5	Q1	0,48	Air-Cooling
E600-0015S2Q1U1F2AG03B1R3	1,5 kW	7.0	Q1	0,49	Air-Cooling
E600-0022S2Q2U1F2AG03B1R3	2,2 kW	10.0	Q2	0,75	Air-Cooling
E600-0004T3Q1U1F2AG03B1R3	0,4 kW	1,2	Q1	0,8	Self-cooling
E600-0007T3Q1U1F2AG03B1R5	0,75 kW	2	Q1	0,82	Air-Cooling
E600-0015T3Q1U1F2AG03B1R5	1,5 kW	4	Q1	0,85	Air-Cooling
E600-0022T3Q2U1F2AG03B1R5	2,2 kW	6,5	Q2	1,3	Air-Cooling
E600-0030T3Q2U1F2AG03B1R3	3 kW	7,6	Q2	1,3	Air-Cooling
E600-0040T3Q2U1F2AG03B1R3	4 kW	9	Q2	1,45	Air-Cooling
E600-0055T3Q2U1F2AG03B1R3	5,5 kW	12	Q2	1,45	Air-Cooling

LCD REMOTE
KEYPAD **IP66**

PARAMETER
COPY STICK

TECHNICAL DATA

Power supply	Rated voltage	3-phase 380…460V +/- 15% - 1-phase 200…240V +/- 15%
	Input frequency	44….67 Hz
	EMC filter	Integrated for 2. environment

Output	Output voltage	0………V-input
	Output frequency	0.5………650 Hz
	Resolution of output frequency	0,01 Hz
	Overload capability	150% - 60 sec. / 10 Min

Control-Mode	PWM control-modes	V/Hz - Mode
	PWM frequency	0,8.....6 kHz
	V/Hz characteristic	Linear, quadratic, and user-programmable curve
	Starting torque	100% rated torque at 1 Hz
	DC-Brake	Freq. threshold, duration and intensity programmable – DC injection
	Brake chopper	Integrated chopper transistor

Display	7 Segment LED display -4- digit	For programming and visualization of different operating parameters

I/O Channels, control functions	Inverter control - Start/Stop	To configure: terminals / operation panel / serial link
	Digital control inputs	4 digital inputs (HIGH/LOW configurable)
	Speed reference signal	Potentiometer, analogue input (terminals 0...10V, (0)4...20 mA), operating panel keys, serial link
	Reference analogue channels	1 Analogue channels 0…10V, (0)4....20 mA
	Analogue outputs	1 analogue output channel programmable in gain, different functions to assign (0…10V)
	Digitale outputs	1 digital output (OC, different functions to assign)
	Relays output	1 switchover contact 3 A 230 V (programmable for different functions)
	Interface	Serial link (MODBUS – ASCI/RTU)
	Special function - control options	Jog mode, 12V / 50 mA auxiliary power supply on terminals PI-control Fixed frequency control, programmable cycling frequency sequence AUTORESET/RESTART function

Protection functions, incl. fault memory	Electrical protection functions	Overvoltage, Undervoltage Overcurrent, Overload, Motor-Overload, Output-short Analogue reference interruption
	Thermal protection functions	Heatsink overtemperature

Optionals	Operating panel	Remote keypad
	Brake resistors	Braking resistors for heavy duty operation
	Filter / chokes	PFC chokes – dv/dt limiting output filter - sinusfilter
	Parameter copy stick	USB Stick with parameter dublication function
	PC-Link Software (via MODBUS)	Special tool for programming, control and diagnostic (parameter set memory)
	Safety	STO (Q2 only)

Environmental conditions	Protection	IP21
	Operating temperature	-10……+40 °C
	Humidity	Max. 90 % not condensing, no corrosion
	Elavation	1000 m - 1% derating / 100m above
	Vibration	Max. 0,5 g

Power range	V/Hz	230V: 0,2…2,2 kW 400V: 0.2…5,5 kW

Standards	EMC	EN61800-3(2004)
	Safety	EN61800-5-1 2003

EURA DRIVES

HF INVERTER Poland

is Exclusive Business Partner of EURA Drives in Europe

more than 2000m² office, development, training and stock.

EURA Drives China

85000m² production areas with 8 SMD mounting machines, we produced

more than 500000 pcs inverters in 2017.

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