

A DRIVES COMPANY

E600

ENGLISH

EURa Drives GmbH



Mühlenweg 143, 22844 Norderstedt

Telefon: +49 40 589 7950 0

Fax: +49 40 589 7950 29

info@euradrives.eu

ENGLISH

www.euradrives.eu



E600

FREQUENCY INVERTER

0.4 kW - 5,5 kW



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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



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)	
	Digital 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 - ASCII/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 duplication 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	
	Elevation	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	