

GENERAL DESCRIPTION

Our high-accuracy industrial electric furnaces are designed by professional engineers and made from high-quality materials, such as heavy-duty metal parts and thermal insulation materials, which are manufactured in our factory. Furnaces are equipped with ceramic or heat resistant steel hearth plates, depending on your application. They can be applied in metal and other branches of industry, and used for hardening, normalizing, stress relieving, or other thermal treatment processes up to 1200 °C. Also, the furnace is fit with vents for removal of escaping gases or smoke during the thermal treatment process.

CONSTRUCTION

- ✓ Equipped with non-programmable controller Omron E5CC
- ✓ Control panel on the left/right side (depending on customer needs)
- ✓ Ceramic bottom plates
- ✓ Heating elements wrapped on ceramic tubes
- ✓ Thermal insulation made from refractory bricks and fiber
- ✓ Outside casing – metal sheet, powder painted grey (RAL 7035), frame- black
- ✓ Door opening to left/right side (depending on customer needs)
- ✓ Vent on the top
- ✓ Low power consumption
- ✓ Short heating time
- ✓ High level of accuracy
- ✓ Door safety switch
- ✓ OTP (over temperature protection)
- ✓ SSR relay



Technical data	Units	Specifications
Useful volume	Liter	4000
Rated power not more than	kW	160
Rated supply voltage	V	400
Rated frequency	Hz	50/60
Number of phases	-	3
Continuous operating temperature	°C	T+10-1200
Maximum temperature	°C	1200
Working chamber surroundings	-	Air
Furnace working chamber dimensions:		
width	mm	1200
depth	mm	2000
height	mm	1700
Furnace dimensions:		
width	mm	2700*
depth	mm	3200*
height	mm	3500*

*Might be adjusted

CONTROL:

- ✓ Temperature measurement by thermocouple.
- ✓ PID electronic regulator, double digital display reference temperature and measured temperature.
- ✓ Products are equipped with high-precision digital microprocessor Omron or Eurotherm temperature controllers fitted with self-tuning and manual PID settings. The customer can select a basic or programmable temperature controller, which offers up to 32 programming segments (rate of temperature rise or decrease control, maintenance of present temperature, automatic shutdown). A wide range of devices allows selecting the most appropriate controller for your process.
- ✓ SSR control unit.

PRODUCTION TIME:

- ✓ 12-14 weeks

SUPPLIED DOCUMENTS:

- ✓ Furnace and temperature controller instructions,
- ✓ Electric diagram

OTHERS:

- ✓ CE marked

OFFER VALIDITY:

- ✓ 3 months

OPTIONS:

- ✓ Eurotherm 3216 controller (non-programmable)
- ✓ Eurotherm 3208 controller (programmable)
- ✓ Omron E5CC-T controller (programmable)
- ✓ Manual door lifting
- ✓ Electromechanical door lifting
- ✓ Turning platform for loading and unloading
- ✓ Reinforced bottom
- ✓ Heat resistant metal hearth plate up to 1150 °C
- ✓ Digital timer (delayed start)
- ✓ Data recorder
- ✓ Data communication/USB
- ✓ Calibration and maintenance of temperature measurement system
- ✓ Stainless steel furnace exterior
- ✓ Furnace mounting platform

WARRANTY:

- ✓ One year limited warranty
- ✓ Additional 1 year warranty costs +12% order price

COUNTRY OF ORIGIN:

- ✓ Lithuania (EU country)

PAYMENT CONDITION:

- ✓ By agreement

PACKING:

- ✓ Wooden box

