

General - Muffle Furnace and Ovens



Standard Muffle Furnace

- ◆ Percentage input controller for temperature stability of +/- 2% over entire range.
- ◆ Ceramic fiber insulation for faster heatup and reduced energy consumption.
- ◆ Built-in dual scale pyrometer with 0 to 1,200°C (32°F to 2,200°F) range.
- ◆ Maximum operating temperature of 1,038°C (1,900°F).
- ◆ Heavy-duty welded steel case construction with enamel finish.

This simple, economical furnace is designed for bench or table top use and requires no special wiring. A percentage input controller is used to provide temperature stability of +/- 2% over the entire heating range.

Specifications	
Temperature Range.	270°C to 1,038°C (518°F to 1,900°F).
Heating Time.	To 871°C (1,600°F) in approximately 40 minutes.
Input Control.	Selects from 5 to 100% of full rated input.
Heating Elements.	Embedded on three sides.
Door.	Swing-down type with safety switch.
Inner Dimensions.	5" w. x 6" d. x 4-1/4" h. (127 x 152 x 108 mm).
Overall Dimensions.	10" w. x 11" d. x 14-1/2" h. (254 x 279 x 368 mm).
Weight.	Net 22 lbs. (10 kg); Shpg. 26 lbs. (12 kg).

Ordering Information

EI88-0110/02. 120vAC, 50/60 Hz. 1ø. 12.5 Amps. 1,500 Watts.



Bench Ovens

- ◆ 7 cu. ft. (198 liter) capacity.
- ◆ Available with either calibrated dial-type or digital PID microprocessor temperature control.
- ◆ Fan forced-air circulation.

These portable Bench Ovens feature a large workspace and excellent portability. They can be moved to the job site or stacked one on the other to conserve space. The ovens have a chamber capacity of 7 cu. ft. (198 liters) and are supplied complete with two shelves.

The EI88-0140 series oven features a precise digital PID microprocessor temperature controller that will hold set temperatures accurately within one degree and improve chamber uniformity. The control incorporates a large, easy-to-read dual LED display, showing both set and process temperatures in either Fahrenheit or Centigrade.

Specifications	
Capacity.	7 cu.ft. (198 liters).
Chamber Size.	25.5" w. x 24" d. x 20" h. (648 x 610 x 508 mm).
Temperature Range.	EI88-0130: 51.7°C to 225°C (125°F. to 437°F). EI88-0140: 51.7°C to 232°C (125°F. to 450°F).
Thermostat.	EI88-0130: Hydraulic. EI88-0140: Digital PID microprocessor temperature control.
Shelves.	Two included.
Overall Dimensions.	33" w. x 36.75" d. x 24" h. (838 x 933 x 610 mm).
Weight.	170 lbs. (77.6 kg).

Ordering Information

Model EI88-0140 series with digital PID shown.

EI88-0130/02. With hydraulic thermostat. 115vAC, 50/60 Hz, 1ø.

EI88-0140/02. With digital PID controller. 115vAC, 50/60 Hz, 1ø.

