Electric Box Furnaces

1000°C/ 1200°C/ 1700°C/1800°C Electric Box Furnaces



ZHX-B01123C



ZHX-B07123C



ZHX-B07126C

Product Features of Stainless Steel Series

Elegant appearance
Firstly created sheathing material in China, adopting customized stainless steel embossed board

Novel design
Unique structure design, without solder joints nor machining marks on the surface

Green and environmental-friendly
The material is environmentally-friendly and reliable without spraying nor organic matters

Safe and durable
Preventing corrosion of the surface in case of solution dripping

Product Features

Structural Practicality

With advanced air heat insulation and thermal technology, when the surface temperature of the furnace body reaches 50°C, the cooling fan will start automatically, rapidly cooling the outer case

Safety in Use

Door switch turns off the furnace once the door is open.
Over-temperature protection shuts down the furnace and raises an alarm if temperature is outside of acceptable range.
Leakage protection powers off the furnace if it leaks electricity

Intelligent Control

The temperature control system adopts artificial intelligence adjustment technology, with PID tuning, fuzzy control and self-tuning functions. A variety of heating and cooling programs can be programmed, with maximum 50 segments programmable. Built-in RS485 communications port, allowing the user to connect to a PC for remote control, real-time tracking, history recording and exporting test results

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Unique Design

With beautiful appearance, reasonable structure and easy-to-operate function, the equipment is a patented product, enjoying a number of independent intellectual property rights

Optional Accessories



Chimney



Air inlet assembly



Air inlet assembly with valve

Box Furnace Application

This series of electric furnace is a batch-type furnace, applied in universities, research institutes, enterprises R&D centers, quality inspection units, processing industry and other units for high temperature sintering, metal annealing and oxidation experiments. It is mainly used for sintering and oxidation experiments of ceramic, composite, metal, nano, functional, thermoelectric and crystal materials, etc.

Technical Parameters

The last item in the product model indicates the instrument configuration (options)







1000°C/1200°C Energy-saving box electric furnace

Model	Chamber Dimension (mm)	Volume (L)	Ratde Power (KW)	Rated Voltage (V)	Heat-Up Time (min)	Rated Temperature (°C)	Temperature Accurary (°C)	Funace Dimension (mm)	Weight
ZHX-B02103	200*120*100	2	2.5	220	15	1000	±0.1	615*418*591	50
ZHX-B07103	300*200*120	7	3	220				716*500*692	70
ZHX-B16103	410*250*180	16	8	380 V three phase				818*540*735	90
ZHX-B30103	500*300*200	30	12					920*570*739	115
ZHX-B01123	110*100*100	1	1.25	220	20	1200		356*298*507	11
ZHX-B02123	200*120*80	2	2.5					615*418*591	50
ZHX-B04123	200*150*150	4	2.5					632*479*671	70
ZHX-B07123	300*200*120	7	3					736*500*692	85
ZHX-B12123	300*200*200	12	4					728*530*775	90
ZHX-B18123	300*250*250	18	6	380 V three phase				738*570*799	93