

## ■ Main Features

### Integrated design

Light and compact structure.

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High precision microcomputer control instrument combined perfectly with precision sensor make precise temperature.

### Safety

Power off once the door is opened, re-power delay. Auxiliary menu for safety assurance, over temperature alarm, deviation correction, menu locking, over temperature prevention device.

### Good heat insulation

Double shell air heat insulation, low surface temperature.

### Uniform temperature

Vacuum molded polycrystalline mullite fiber furnace, efficient heat insulation. Special alloy wires for three sides heating, provide best temperature uniformity.

### Humanity design

Parallel side open door, make sure the hot end away from operation. Exhaust device, facilitating ashing. Function keys for temperature setting.



## ■ Product Parameters

**Precisely controlled sintering, melting, elemental analysis,  
physical determination up to 1200 °C .**

Model	ML212	ML212B	ML712	ML712B	ML1612	ML1612B	ML2412	ML2412B	ML3612	ML3612B
Furnace Material	Polycrystalline Mullite Fiber									
Heater	Nickel-Chromium-Aluminum Alloy									
Temperature Range	300–1200°C									
Temperature Rising Time	≤30 Minutes									
Temperature Control Accuracy	± 1°C									
Temperature Resolution	1°C									
Furnace Dimensions (mm)	120 × 200 × 80	200 × 300 × 120	250 × 400 × 160	300 × 400 × 200	300 × 400 × 300					
Volume	2L	7L	16L	24L	36L					
Power Supply Voltage	220V	220V	220V	380V	380V					
Rated Power	1.5KW	3KW	6KW	6.6KW	10KW					
Overall Dimensions (mm)	480 × 617 × 683	560 × 709 × 723	630 × 808 × 783	650 × 813 × 818	650 × 818 × 918					
Packaging Dimensions (mm)	650 × 760 × 790	720 × 870 × 850	790 × 970 × 910	810 × 960 × 945	810 × 960 × 1045					
Net Weight / Gross Weight	40/45kg	60/65kg	80/86kg	90/98kg	100/110kg					
Temperature Controller	No letter: single segment program temperature control digital display; Type B: program temperature control digital display									
Operating Functions	No letter: fixed value operation; Type B: fixed value operation, program operation									
Program Mode	No letter: single segment operation; Type B: program operation with 2 curves and 30 steps									
Safety Devices	Overcurrent leakage protection switch									

**Precisely controlled sintering, melting, elemental analysis, physical determination up to 1400 °C.**

Model	ML314	ML314B	ML814	ML814B	ML1214	ML1214B	ML1814	ML1814B	ML2714	ML2714B	ML3614	ML3614B
Furnace Material	Polycrystalline Mullite Fiber											
Heater	Silicon Carbide Rod											
Temperature Range	300–1400°C											
Temperature Rising Time	≤35 Minutes											
Temperature Control Accuracy	± 1°C											
Temperature Resolution	1°C											
Furnace Dimensions (mm)	150 × 200 × 100	180 × 250 × 180	200 × 300 × 200	250 × 300 × 250	300 × 300 × 300	300 × 400 × 300						
Volume	3L	8L	12L	18L	27L	36L						
Power Supply Voltage	220V	220V	380V	380V	380V	380V						
Rated Power	3KW	4KW	6KW	8KW	12KW	14KW						
Overall Dimensions (mm)	520 × 660 × 813	550 × 698 × 893	570 × 749 × 911	620 × 749 × 963	670 × 760 × 1031	670 × 849 × 1033						
Packaging Dimensions (mm)	680 × 785 × 1040	710 × 835 × 1120	730 × 885 × 1140	780 × 885 × 1190	830 × 885 × 1260	830 × 985 × 1260						
Net Weight / Gross Weight	40/50kg	60/70kg	70/85kg	80/95kg	90/105kg	100/115kg						
Temperature Controller	No letter: single segment program temperature control digital display; Type B: program temperature control digital display											
Operating Functions	No letter: fixed value operation; Type B: fixed value operation, program operation											
Program Mode	No letter: single segment operation; Type B: program operation with 2 curves and 30 steps											
Safety Devices	Overcurrent leakage protection switch											

**Precisely controlled sintering, melting, elemental analysis, physical determination up to 1600 °C.**

Model	ML216	ML216B	ML416	ML416B	ML816	ML816B
Furnace Material	Polycrystalline Mullite Fiber					
Heater	Molybdenum Disilicide Heating Element					
Temperature Range	300–1600°C					
Exhaust Vent	Inner diameter: 18mm; Outer diameter: 22mm					
Temperature Rising Time	≤50 Minutes					
Temperature Control Accuracy	± 1°C					
Temperature Resolution	1°C					
Furnace Dimensions (mm)	90 × 150 × 150		150 × 150 × 150		150 × 300 × 150	
Volume	2L		4L		8L	
Power Supply Voltage	220V				380V	
Power / Current	3KW		6KW		9KW	
Overall Dimensions (mm)	600 × 762 × 1102				600 × 871 × 1102	
Packaging Dimensions (mm)	760 × 885 × 1310				760 × 985 × 1310	
Net Weight / Gross Weight	70/90kg		80/100kg		110/130kg	
Temperature Controller	No letter: single segment program temperature control digital display; Type B: program temperature control digital display					
Operating Functions	No letter: fixed value operation; Type B: fixed value operation, program operation					
Program Mode	No letter: single segment operation; Type B: program operation with 2 curves and 30 steps					
Safety Devices	Overcurrent leakage protection switch					