



**XIAMEN TOB NEW ENERGY TECHNOLOGY CO., LTD.**

Provide A Full Set Of Solutions For Battery Machines.

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## 53L 500°C High Temperature Vacuum Oven



This oven is using an advanced temperature controller which comes with a RS485 computer communication port and is able to be computerized.

- Item No.:TOB-DZF-6050-HT
- Order(Moq):1
- Payment:L/C,T/T,Western Union, Paypal
- Product Origin:China
- Shipping Port:XIAMEN
- Lead Time:7

## Product Detail

### 53L 500 Degree High Temperature Vacuum Oven With Gas Flow-meter, Chiller & Vacuum System

#### SPECIFICATIONS

1. The box body is made of high-quality cold-rolled steel plate, with electrostatic powder coating on the surface, and the coating is hard and firm, with strong anti rust ability.
2. The working room is made of high-quality stainless steel plate, with round corner shape, smooth, smooth and easy to clean.
3. Between the box body and the working room, it is filled with ultra-fine high temperature insulation material, which has good insulation function, effectively ensuring the stability and accuracy of the temperature in the box and the impact on the use environment.
4. The box door is double-layer steel plate structure with good heat insulation effect. It can effectively avoid burning operators.
5. A heat-resistant rubber sealing ring is installed between the working room and the sealing door to ensure a high vacuum degree in the box.

6. The heater is installed on the outer surface of the working room to maximize the uniformity of the temperature in the box and facilitate indoor cleaning.
7. The temperature control is made of microcomputer intelligent digital technology, with industrial PID self-tuning and LCD window indication functions, high temperature control accuracy, strong anti-interference ability, and very convenient operation.
8. The equipment is equipped with special water circulation cooling device when it is used in high temperature state, so as to maximize the service life of sealing ring.
9. It can be equipped with RS232 interface to record data through connecting computer.

Model	Vacuum drying oven TOB-DZF-6050-HT
Voltage	220V AC 50/60HZ (Power cable is included w/o plug)
Power	3600W
TemperatureRange	RT+50~500°C
Temperaturefluctuation	±1°C
Shelf No.	2
Recommended Heating Rates	10 °C/min: 0°C - 100°C 7 °C/min: 100°C - 200°C 7 °C/min: 200°C - 300°C 3.5 °C/min: 300°C - 400°C 2.3 °C/min: 400°C - 450°C 0.4 °C/min: 450°C - 480°C 0.2 °C/min: 480°C - 500°C
Chamber dimensions	415 mm x 345 mm x 370 mm ( 16.3 x 13.5 x 14.5", 53 Liter )
Temperature Controller	30 segments programmable Built-in over-temperature protection +/- 5°C accuracy

Gas flowing/purging	<p>1. A precise flow meter is installed in the front panel which ranges from 500 ~ 5000ml/min.</p> <p>2. The gas is able to be continuously flowing into the chamber at a constant flow rate defined by user during operation.</p> <p>3. The oven can be purged by inert gas before operation.</p>
Water Cooling	<p>One digital temperature controlled recirculating water chiller is included.</p> <p>Refrigeration range: 5~35°C</p> <p>Flowing Rate: 13L/min Suggest using anti-corrosion coolant (available for auto-part store) to achieve best water cooling.</p> <p>The water cooling jacket is built inside the oven door.</p>
Vacuum Pump	<p>One rotary vane vacuum pump with exhaust filter, bellows and KF-25 inlet is included.</p> <p>Vacuum level of oven after pumping &lt; 133pa (2 torr)</p> <p>Power: 0.4KW / 0.37KW</p>
Packing size	<p>Oven:100*94*90cm</p> <p>Vacuum pump:65*27*60cm</p> <p>Water Chiller:69*42*61cm</p>

PRODUCT DISPLAY





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## PACKAGE AND SHIPPING

- 1 Standard exported package : Internal anticollision protection, external export wooden box package
- 2 Shipping by express, by air, by sea according to customer's requirements to suggest the most suitable shipping mode
- 3 Responsible for the damage during shipping process, change the damage part for free
- 4 Supply with suitable voltage input and power plug according to customer's country requirements.

## SERVICES

- 1 We supply machines with battery technology support.
- 2 We can also supply a full set of materials for lithium battery including polymer battery, cylinder battery, mobile phone battery, EV battery.
- 3 We can also supply a full set of lithium battery equipment for lab research, pilot scale research and production line.
- 4 We can also supply a full set of battery technology for battery design, research and producing.