



# ORSHA80 Orbital Shaking Incubator Heating/Cooling

High Capacity 200/540 L

LCD

Smart air circulation

Download Catalogue

RT+5°C /4°C to 65°C

### LCD Display Screen

Microcomputer control temperature and oscillation frequency with timing functions, Built-in power-off protection can automatically resume operation after power on.

### High Precision speed Control

Speed control : Intelligent Brushless DC motor, High speed accuracy, Slow start design, Auto lock if speed out of control. Adjustable starting speed to prevent the splash of shake flask liquid.

### One door 200L/Two door 540L

With inner led light, provide easy sample observation

### Vertical air circulation mode

### Intelligent Brushless DC motor

Prevent graphite pollution, maintenance free,

The temperature uniformity is achieved by 3D forced air circulation. A fan continuously moves the air across the incubator in order to create homogeneous conditions. Shaking incubators are generally left on for long periods of time. The microprocessor ensures the actual temperature remains stable, even when ambient temperature varies. The AC brush less motor ensures stable shaking movement for the long-term operation, free of maintenance.

- Microcomputer control temperature and oscillation frequency with timing functions.
- Built-in power-off protection can automatically resume operation after power on.
- Unique air duct breeze circulation, large observation window.
- Speed control: Intelligent Brushless DC motor, high speed accuracy.
- Slow start design - adjustable starting speed to prevent the splash of shake flask liquid

Type	ORSHA85	ORSHA85B
Price		
Type	ORSHA80	ORSHA80B
Price		

Model	Vertical single door		Vertical double door	
	ORSHA80	ORSHA80B	ORSHA85	ORSHA85B
Type	Large Stackable Incubated Orbital Shaker			
Temperature range	RT+5～65℃	4 to 65 ° C	RT+5～65℃	4 to 65 ° C
Temperature resolution	0.1 ° C			
Temperature fluctuation	±0.5℃			
Temperature accuracy	±1℃			
Orbital amplitude	Φ26mm (customizable φ20～50mm)			
Speed range	30 to 300 rpm			
Speed accuracy	±1rpm			
Shells	Cold rolled steel plate, surface electrostatic spraying			
Drive mode	Multidimensional drive			
Wind circulation	Breeze cycle			
Cooling System	No	Yes	No	Yes
Rated power	1.kW	1.5kW	1.6kW	
Timer	0 to 9999 minutes (with timing wait function)			
Running function	Setting or program running, timing running, automatic stop, quick stop start, one-button illumination, two-way automatic switching			
Temperature Sensor	Pt100			
Additional features	Temp. deviation correction, menu button lock, power failure memory			
Safety equipment	Over temperature alarm, menu lock, door control system, overload protection, power failure protection, stall protection			
Chamber size (W*D *H mm)	600*480*700		870*690*900	
Outer size (W*D*H mm)	720*730*1530		1200*800*1600	
Packing size (W*D*H mm)	910*920*1770		1385*1010*1840	
Tray size (mm)	505*380		775*555	
Maximum capacity of the tray	50ml * 44 / 100ml * 44 / 250ml * 26 / 500ml * 20 / 750ml * 18		100 * 100ml / 56 * 250ml / 44 * 500ml / 24 * 1000ml	
Standard number of flask clamps ml	250*24		500*40	
Chamber volume	200L		540L	
Tray load bearing	50kg/layer			
Number of tray layers	2			
Tray spacing	340mm		430mm	
Power supply (50/60Hz)	AC220V/5.1A		AC220V/7.0A	
NW /GW kg	220/260		335/385	
Optional accessories	RS485 interface, printer, recorder, remote control, wireless SMS alarm, U disk data storage. WI-Fi Temp control, Smart Phone			

Please note

If this Incubator does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

## COLO LabExperts

Laboratory Equipment production and Distribution

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