



KLABS Large Vertical Shaker Incubator



Application

Widely used in cell culture, fermentation, hybridization, biochemistry and cell tissue research with high temperature and concussion frequency. It can culture microbial cells and various type of bacteria in static and movement, especially suitable for laboratory pilot production.

Product features

Colorful intelligent touch screen control

- Adopt 4.3 inches touch screen, intelligent touch screen control, parameters real time display, operation easily.
- Temp., rotation speed and time etc parameters fast setting.

Humanization design

- Combine incubator, shaker functions together with small space, huge capacity.
- Colorful touch screen controller, menu operation interface, multi datas display at one screen, easily to observe and operate.
- Fluorine free design.
- Large toughened glass windows provides users observe the samples status with good insulation when instruments working.
- Various kinds of clamps and racks for selection, easily change racks and clamps improve work efficient.
- Inner chamber, shaker platform and shelves are made of 304 stainless steel.
- On the left of chamber is placed with 50mm test hole.
- Quality assurance.

Quality guaranty

- User's set parameters can be stored automatically when power off suddenly, and it resume last program settings when power on.
- PID microcomputer control temp. and shake frequency with timer.
- Compressor and cycle fan etc key components are reliable suppliers, environmental non-free refrigerants.

Uninterrupted performance guaranty

- Brushless DC motor, large start torque, wide speed adjustment, free maintenance.

Sterilization system

- The ultraviolet lamp can sterilize the chamber regularly.

Safety

- **Protection on instruments:** Comply international standard secondary temp. limiter alarm system, alert the operator with sound and light alarms, ensure operator is safe without any accident.
- **Protection on key components:** Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions.
- **Protection on samples:** Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms.
- **Protection on operator:** Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

Technical Specifications

Model	KSI-52	KSI-52C	KSI-72	KSI-72C
Speed range	40 – 300rpm			
Frequency accuracy	±1rpm			
Amplitude	26mm			
Control temp. range	RT+5 – 65°C	4 – 65°C	RT+5 – 65°C	4 – 65°C
Temp. resolution	±0.1°C			
Temp. uniformity	at 37°C±0.8°C			
Timer range	0 – 99h59min			
Shelves size (mm)	750×460 (double shelves)		920×500 (double shelves)	
Overall size W×D×H (mm)	1030×875×1370		1200×875×1370	
Rated power	1900W	2250W	1900W	2250W
Standard configuration	250mL×56pcs		250mL×90pcs	

Note: If racks and clamps need to be made to customers requirements, the physical loading quantity is subject to customer requirements.

Max. flask clamps can be placed (single layer)

Model		Large vertical shaker incubator		Small vertical shaker incubator	
		KSI-52 KSI-52C	KSI-72 KSI-72C	KSI-9 KSI-9C	KSI-30 KSI-30C
Flask (pcs)	50 mL	82	116	29	37
	100 mL	50	66	18	22
	250 mL	28	45	11	14
	500 mL	23	28	7	10
	1000 mL	12	18	4	6
	2000 mL	6	10	-	-