Large Capacity Upright Shaking Incubator LS-3500, 220V/50Hz



The Iris Large Capacity Upright Shaking Incubator LS-3500 is suitable for cell culturing, cell aeration, and solubility studies. In addition to offering stable temperature conditions, the Iris incubator shakers use an orbital agitation at variable speeds to affect the growth of cell cultures.

The LS-3500 Large Capacity Upright Shaking Incubator is suitable for applications in modern laboratories, research centres and production facilities. It offers a large shaking capacity with a small footprint and also many features allowing straightforward, safe handling of product.

- Inside material is SUS304 and outside body is powder painting
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Internal light provide clear chamber visibility
- Tempered Safety Glass Window for operation view
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Touch Screen panel
- With safety switch to stop shaking when opening door
- Each machine operates independently if required .
- Overheat and over low protector, built-in circulating fan for temperature stability.

Technical Specification:

Model	LS-3500
Display and Control	LED Digital Display / On-Touch Control
Vibration Style	Orbital
Platform Size (mm)	740 x 480 mm
Capacity (liters)	560 liters
Temperature Range (℃)	Ambient+5℃~70℃
Temperature Accuracy (℃)	±0.1℃ (38℃)
Temperature Stability (℃)	±1℃ (at 38℃)
Temperature Uniformity (℃)	±1℃ (at 38℃)
Temperature Fluctuation □℃□	±1℃ (at 38℃)
Temperature Setting	Digital
Temperature Controller	Micro-computer PID temperature controller
Temperature Display	LED 2-screen digital display actual and setting temperature
Shaker Controller	Microprocessor Digital LED
Shaker Power Unit	Brushless motor
Shaking Methods	Orbital
Shaking Throw (mm)	50mm
Shaking Width (mm)	50mm
Speed Accuracy (rpm)	±1rpm (at 150rpm)
Speed Fluctuation (rpm)	±1rpm (at 150rpm)
Speed Setting	Digital
Speed Controller	Microprocessor Controlled Digital
Speed Display	Digital
Shaking Plate	740 x 480 mm
Inside Dimension (WxDxH) mm	860 x 600 x 1100 mm
Timer	999 h / 999 min / 999 sec
Heater	1600W
Illumination	Fluorescent Lamp 20 W
Shelf (Adjustable)	2
External Dimensions (WxDxH) mm	940 x 800 x 1840 mm
Net Weight (kg)	280 kg
Electrical Requirements	220V/50Hz
Catalogue No.	5405005-2
Platform	Single

Technical Data:

Model	LS-3500		LS-3500R		LS-3500D		LS-3500RD		LS-3800		LS-3800D		LS-3800R		LS-3800RD	
Platform	Single				Double				Single				Double			
Temperature Range (?)	Ambient +5?~70?		0?~70?		Ambient +5?~70?		0?~70?		Ambient +5?~70?		0?~70?		Ambient +5?~70?		0?~70?	
Platform	Single				Double				Single				Double			
Temperature Accuracy (?)	±0.1?															
Temperature Control	Micro-computer PID temperaturecontroller															
Temperature Display	LED 2-screen digital display actual and settingtemperature															
Shaking Speed	20~250 r.p.m				20~150 r.p.m				20~250 r.p.m				20~150 r.p.m			
ShakingWidth	50 mm															
Timer	999 h / 999 min / 999 sec															
Heater	1600 W															
Illumination	Fluorescent lamp 20W															
SHELF (Adjustable)	2				1				2				1			
Volume	560 L				560 L				834L				834L			
Refrigerator	N/A				1/3 HP				N/A				1/2 HP			
Shaking PlateSize	740 x 480 mm								960 x 600 mm							
Inside Dimension (WxDxH)	860 x 600 x 1100 mm								1100 x 690 x 1100 mm							
Outside Dimension (WxDxH)	940 x 800 x 1840 mm								1190 x 920 x 1840 mm							
Weight(Approx.)	280kg								300kg							
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	5405005-1	5405005-2	5405010-1	5405010-2	5405015-1	5405015-2	5405020-1	54050202	54050251	54050252	54050301	54050302	54050351	54050352	54050401	54050402

Flask Capacity:

Flask Clamp	125ml	250ml	500ml	1000ml	2000ml	3000ml	4000ml	5000ml
LS-3500(R)D(RD)	48	40	24	12	9	6	6	4
LS-3500(R)D(RD)	96	60	40	24	-	-	-	-
LS-3800(R)D(RD)	78	50	36	18	10	10	8	8
LS-3800(R)D(RD)	156	100	72	36	-	-	-	-

Accessories:

Model	Image	Name	Details
54010A01		Stainless steel clamp for 50ml Erlenmeyer flask	
54010A02		Stainless steel clamp for 125ml Erlenmeyer flask	
54010A03		Stainless steel clamp for 250ml Erlenmeyer flask	
54010A04		Stainless steel clamp for 500ml Erlenmeyer flask	

Model	Image	Name	Details
54010A05		Stainless steel clamp for 1000ml Erlenmeyer flask	
54010A06		Stainless steel clamp for 2000ml Erlenmeyer flask	
54010A07		Stainless steel clamp for 3000ml Erlenmeyer flask	
54010A08		Stainless steel clamp for 4000ml Erlenmeyer flask	
54010A09		Stainless steel clamp for 5000ml Erlenmeyer flask	
54012A01		Shaker Platform with clamps 280x230mm	
54012A04		Shaker Platform with clamps 380x280mm	
54012A05		Shaker Platform with clamps 380x280mm	
54013A01		Test Tube Rack 210mm x 90mm	
54013A02		Test Tube Rack 340mm x 90mm with holes ∅ 16mm	
54014A01		Non-Slip Mat	

Model	Image	Name	Details
54014A02		Non-Slip Mat for 96 well plate	

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