

CAESA-LAB INC.



CAESA-LAB INC.
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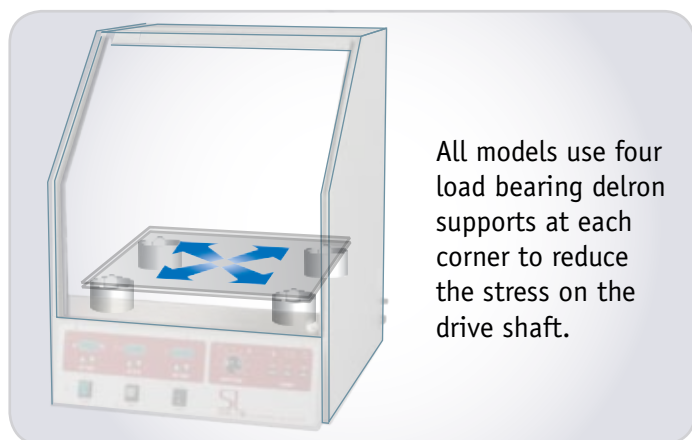
Bench Top Shaking Incubator

The Compact SI4

Bench Model SI4 Compact and Durable

The SI4 features a small footprint and slim hood design to maximize space and functionality.

- Small footprint accommodates tight bench space
- Transparent hood for clear visibility
- Robust, temperature-resistant hydraulic piston opens the hood with ease and reliability
- 0.75" stroke length



All models use four load bearing delron supports at each corner to reduce the stress on the drive shaft.



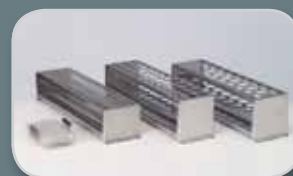
Bench Top SI4

Full Selection of Accessories

The easily removable rotation platform is included with each SHEL LAB unit.



Flask holders and accessories can be arranged in several combinations on the platform according to what best suits your application.



Does your application require a higher RPM?
The NEW SI6R-HS achieves speeds of 850 RPMs.

Model Number	SI4 SI4-2*	SI6 SI6-2*	SI6R SI6R-2*	SI6R-HS SI6R-HS-2*
Chamber Capacity	113 liters/4.0 cu.ft	156 liters/5.5 cu.ft	156 liters/5.5 cu.ft each chamber*	156 liters/ 5.5 cu. ft. each chamber*
Temperature Range	8°C + Ambient to 60°C	8°C + Ambient to 60°C	Ambient -20°C to 60°C**	Ambient -20°C to 60°C**
Temperature Uniformity	+/-0.5°C at 37°C	+/-0.8°C at 37°C	+/-0.8°C at 37°C	+/-0.8°C at 37°C
Temperature Accuracy	+/-0.1°C	+/-0.1°C	+/-0.1°C	+/-0.1°C
Shaking Capacity	8.2 kg / 18 lbs	10 kg / 22 lbs	10 kg / 22 lbs	10 kg / 22 lbs
Shaking Speed	30-400 rpm, +/- 1 rpm	30-400 rpm, +/- 1 rpm	30-400 rpm, +/- 1 rpm	40-850 rpm, +/- 1 rpm
Alarm Functions	Temperature +/-1°C, Speed +/- 5 rpm, Timer Expiration, OTP Setpoint Alarm			
Stroke Length	0.75" 1.9 cm (fixed)	0.5"/0.75"/1.0" 1.3/1.9/2.54 cm (adj)	0.5"/0.75"/1.0" 1.3/1.9/2.54 cm (adj)	0.14" Not adjustable
Timer Function	1-999 minutes	1-999 minutes	1-999 minutes	1-999 minutes
Shelves Supplied	N/A	2 Stainless Steel	2 Stainless Steel	2 Stainless Steel
Exterior Dimensions (wxdxh)	21.5 x 24 x 28 in. 54.6 x 61 x 71.1 cm	28.5 x 29 x 42 in. 72.4 x 73.6 x 106.7 cm	28.5 x 29 x 42 in. 72.4 x 63.6 x 106.7 cm	28.5 x 29 x 42 in. 72.4 x 73.6 x 106.7 cm
Interior Dimensions (wxdxh)	19.25 x 19.25 x 17 in. 48.9 x 48.9 x 44 cm	19 x 19.25 x 23.5 in. 48.3 x 48.9 x 59.7 cm	19 x 19.25 x 23.5 in. 48.3 x 48.9 x 59.7 cm	19 x 19.25 x 23.5 in. 48.3 x 48.9 x 59.7 cm
Platform Dimensions	17.25" x 17.25" x .75" 44 x 44 x 1.9 cm	17.25" x 17.25" x .75" 44 x 44 x 1.9 cm	17.25" x 17.25" x .75" 44 x 44 x 1.9 cm	18" x 18" 45.7 x 45.7 cm
Certifications	CE = 220 only	CE = 220 only	NA	NA
Net Weight	120 lbs / 68 kg	198 lbs / 90 kg	250 lbs / 114 kg	250 lbs / 114 kg
Shipping Weight	165 lbs/ 100 kg	260 lbs / 118 kg	300 lbs / 136 kg	300 lbs / 136 kg
Electrical Requirements				
Watts/Amps/Cycle Phase -120V	850 / 7 / 50/60 Hz	850 / 8.5 / 50/60 Hz	1100 / 11.5 / 50/60 Hz	1100 / 11.5 / 50/60 Hz
Watts/Amps/Cycle Phase -220V	850 / 4 / 50/60 Hz	850 / 5.5 / 50/60 Hz	1100 / 6.5 / 50/60 Hz	1100 / 6.5 / 50/60 Hz

*Please note: -2 indicates 220V version of each model. ** Minimum low temperature capability is 5°C. Specifications are subject to change without notice.

Floor Model Shaking Incubator

Volume, Flexibility, Reliability SI6 | SI6R | SI6R-HS

SI6 and SI6R Versatile and Robust

The SI6 and SI6R have a one inch hermetically sealed double-paned glass viewing window. The SI6R refrigerates via a 1/6-horsepower motorized compressor (produced without CFC's/HCFC's). A through wall access port is standard on the SI6 models.

- Stackable feature creates additional capacity without losing lab floor space.
- Counter-balance weighting system is adjustable for maximum load flexibility.
- Adjustable orbit (0.5", 0.75", 1.0") allows vigorous or gentle shaking to accommodate a wide range of cell applications.
- Access port included for recording and monitoring accessories
- Fluorescent light in unit provides clear visibility of large chamber interior
- Two stainless steel shelves included



SI6 | SI6R | SI6R-HS

Use Stacking
Stand 6750760

SHEL LAB Exclusive Features



Our unique lift out tray design with locking latch makes cleaning and loading easy.



The user adjustable counterbalance provides maximum load flexibility and can compensate for off center loads.

Shaking Incubator Flask Clamps

Description	Part Number	Size	SI4-SI6	SI9
Flask Clamp	9530528	25 ml	50	107
	9530529	50 ml	50	107
	9530530	125 ml	25	53
	9530531	250 ml	25	35
	9530526	500 ml	10	23
	9530532	1000 ml	6	19
	9530551	2000 ml	4	12
	9530554	4 liter	4	10
	9530555	6 liter	2	6
Fernbach Style	9530553	2.8 liter	2	6

Shaking Incubator Test Tube Racks

Description	Part Number	Size	SI4-SI6	SI9
Test Tube Shaking Rack	9751177 (100 Max)	10-13 mm	3	7
	9751178 (80 Max)	14-16 mm	3	7
	9751179 (60 Max)	18-20 mm	3	7
	9751180 (36 Max)	22-25 mm	3	7
	9751181 (29 Max)	50 mm	3	7

Large Capacity Shaking Incubator

SI9 | SI9R

- Stackable for Additional Capacity Without Losing Lab Floor Space
- Interior Light for Improved Visibility
- Unit Comes with Shaking Platform
- Easy to Lift Hydraulic Doors
- Safety Features and Alarms Throughout
- Exclusive SHEL LAB Horizontal Air Flow Design for Superior Uniformity



SI9 Door is Equipped with Hydraulic Pistons for Easy Lifting



SI9 | SI9R

The SHEL LAB SI9 delivers all the features you appreciate in the SHEL LAB Shaking Incubators, with even greater load capacity. The unit performs from 30-400 RPM's with a smooth quiet oscillation. The door of the SI9 is designed with hydraulic pistons making it easy to lift during loading and unloading.

The SI9R comes equipped with a long life refrigeration compressor, that delivers stable conditions to 20°C below room temperature.

These state of the art orbital shaking incubators feature a universal shaker platform, which accommodates a wide range of flask clamps, test tubes racks and micro titer plate clamps. To support the loads over many years of use, four load-bearing positions are incorporated for optimal weight distribution. For maximum load flexibility, the unique counter-balanced weighting system is adjustable to accommodate off-center loads and varying capacities.

Model Number	SI9 / SI9-2*	SI9R / SI9R-2*
Chamber Capacity	269 Liters / 9.5 cu.ft	269 Liters / 9.5 cu.ft
Temperature Range (SI9)	8°C + ambient to 60°C*	Ambient -20°C to 60°C*
Temperature Uniformity	+/-0.5°C at 37°C EST	+/-0.5°C at 37°C EST
Temperature Display Resolution	+/-0.1°C	+/-0.1°C
Oscillation Rate	30 - 400 RPM +/-1 rpm	30 - 400 RPM +/-1 rpm
RPM Display Resolution	1 RPM	1 RPM
Platform Dimensions (w x d)	32 x 22 x 2.75 in/ 81 x 55.8 x 7 cm	32 x 22 x 2.75 in/ 81 x 55.8 x 7 cm
Shaking Platform	Included	Included
Stroke Length	1" (Optional Lengths Available)	1" (Optional Lengths Available)
Load Capacity	20 kg (45 lbs.)	20 kg (45 lbs.)
Alarm Conditions: Temperature Speed	+/-1°C +/-5 RPM	+/-1°C +/-5 RPM
Timer	1-999 minutes	1-999 minutes
Exterior Dimensions (wxdxh)	55 x 30.15 x 33.25 in/ 138.7 x 76.6 x 84.5 cm	55 x 30.15 x 33.25 in/ 138.7 x 76.6 x 84.5 cm
Interior Dimensions (wxdxh)	35.5 x 25.5 x 17.75 in/ 90.2 x 66 x 45 cm	35.5 x 25.5 x 17.75 in/ 90.2 x 66 x 45 cm
Certifications	CE = 220V only	NA
Weight	426 lbs. (193kg) EST	450 lbs. (204kg) EST
Ship Weight	550 lbs. (250kg) EST	571 lbs. (259kg) EST
Electrical Requirements Watts/Amps/Cycle Phase-120V Watts/Amps/Cycle Phase-220V	1200 / 12.5 / 50/60 Hz EST 1200 / 6.5 / 50/60 Hz EST	1700 / 15 / 50/60 Hz EST 1700 / 8 / 50/60 Hz EST

*Minimum low temperature capacity is 10°C.

SI9 | SI9-R Stacking Stands

Description	Part Number	Size
Stacking Stands	SI9-12stand	12"
	SI9-24stand	24"
Cabinet	SI9-24cab	24"

Constant thinking.