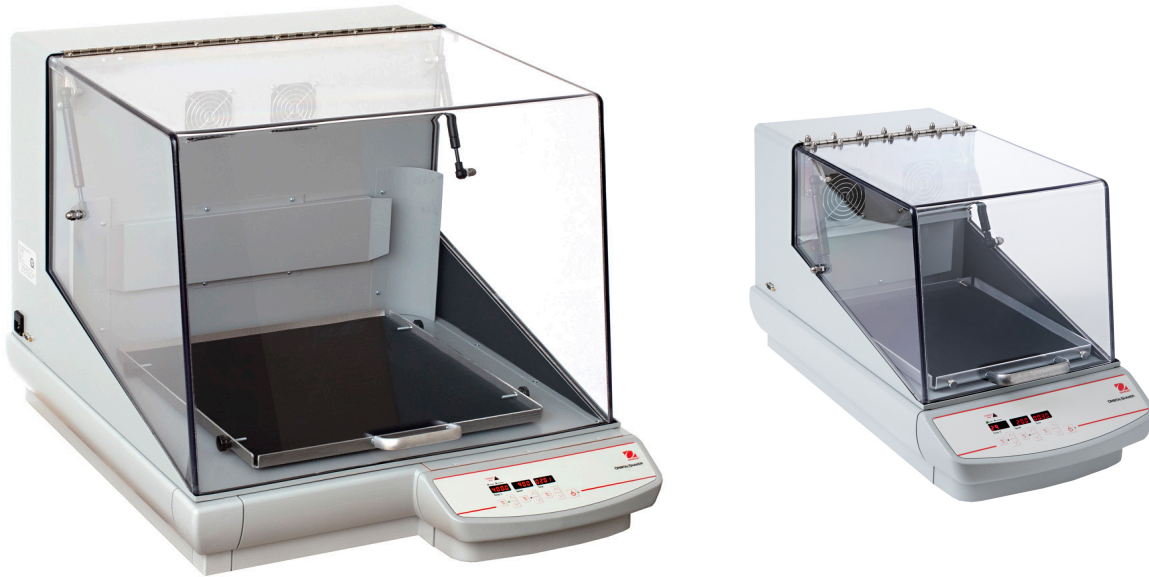




Incubating Heavy Duty Orbital Shakers



Save Incubator Space with Benchtop Incubating and Incubating Refrigerating Shakers

Incubating Heavy Duty Orbital Shakers offer exceptional temperature uniformity and are designed for a variety of shaking and incubating applications.

Unique Features Include:

- The exclusive Opti-Flow Forced Ventilation System utilizes twin induction or a single large fan. Air is deflected around & not directly on samples, creating a circular flow of air ensuring uniformity.
- For repeatable results, the exclusive Accu-Drive shaking system ensures speed accuracy. The Triple Eccentric Drive provides consistent shaking motion throughout the entire speed range.
- The chambers for the ISHD23HDG and ISHD23CDG units are large enough to hold 2 x 6 L Erlenmeyer flasks with optional clamps and platform.

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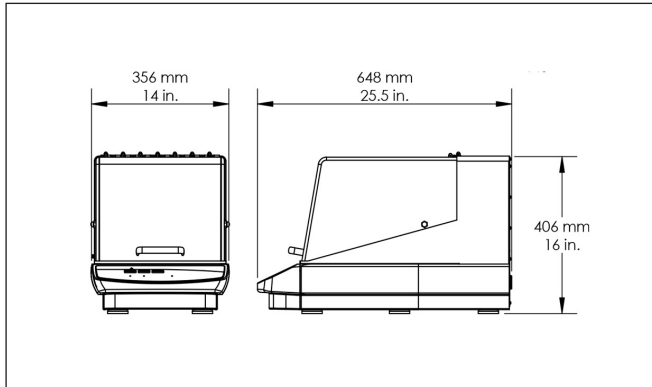
Specifications

Model	ISHD16HDG	ISHD23HDG	ISHD23CDG
Motion	Orbital, 0.75 in./19 mm	Orbital, 1 in./25 mm	Orbital, 1 in./25 mm
Speed Range	15 rpm to 500 rpm		
Speed Accuracy	Above 100 rpm +/-1% / Under 100 rpm +/- 1 rpm		
Temperature Range	Ambient +5 °C to 65 °C		15 °C below ambient to 65 °C
Temperature Uniformity	+/- 0.5 °C at 37 °C		
Calibration	Temperature Calibration		
Timer	1 second to 160 hours		
Control	Digital		
Communication	RS-232 Interface		
Max Weight Capacity	35 lb (16 kg)@ 75 rpm, 5 lb (2.3 kg)@ 500 rpm	50 lb (22.7 kg) @ 125 rpm, 10 lb (4.53 kg) @ 500 rpm	
Drive System	Triple Eccentric; Brushless DC motor		
Dimensions (H x L x W)	16 x 25.5 x 14 in. / 40.6 x 64.8 x 35.6 cm	23.5 x 32.1 x 26.6 in. / 59.6 x 81.5 x 67.5 cm	23.5 x 41.1 x 26.6 in. / 59.6 x 104.4 x 67.5 cm
Interior Dimensions (H x L x W)	9.5 x 13.4 x 12 in. / 24.1 x 34 x 30.5 cm	17 x 20.6 x 24.8 in. / 43.2 x 52.3 x 62.9 cm	
Tray Dimensions (L x W)	13 x 11 in. / 33 x 27.9 cm	18 x 18 in. / 45.6 x 45.7 cm	
Net Weight	79.1 lb. / 35.9 kg	224.1 lb. / 101.6 kg	290.4 lb. / 131.7 kg
Power	120 V, 50/60 Hz / 230 V, 50/60 Hz	120 V, 50/60 Hz / 230V, 50/60 Hz	120 V, 50/60 Hz / 230 V, 50/60 Hz
Power Consumption	450 W	800 W	800 W
Working Environment	59 °F – 90 °F, 80% RH*, non-condensing / 15 °C – 32 °C, 80% RH*, non-condensing		

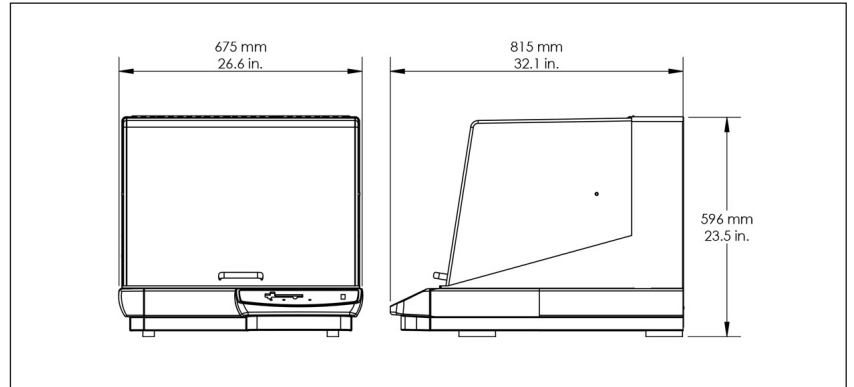
*RH = Relative Humidity

Dimensional Drawings

ISHD16HDG



ISHD23HDG



ISHD23CDG

