

# Ovens

## High Performance Ovens



SHEL LAB High Performance Ovens are engineered to meet the most critical temperature requirements. They are designed for continuous drying operations at temperatures up to 260°C. Factory-set overtemperature protection prevents control failure from damaging contents and guards against burnout. The controller provides a 24-step ramp and soak, 0.1°C control, multiple levels of operator access and automatic resumption of program following a power failure. Time and temperature are displayed in a three-digit LED readout for fast and accurate setting. In addition, the sealed membrane touch-pad control panel is water and acid resistant.

Horizontal air flow provides fast heat-up and recovery and ensures rapid drying. Heated air is continuously circulated by twin turbo blowers. Punched stainless steel shelves are adjustable on 1/2 inch centers. Adjustable three air intake and exhaust ports can be opened for fast drying of high-moisture content samples.

A high temperature gasket door seal eliminates air leakage and ensures longer gasket life while being subjected to extreme operational temperatures. This unit includes long-lasting, low-watt density heating elements. It also has adjustable heavy-duty hinges, optional factory installed reversible door, and a door latch that is designed for lifetime service. These ovens have rugged, welded construction with a double-walled, corrosion-resistant stainless steel interior and a powder-coated exterior.



## Precise Temperature Control - Superior Uniformity

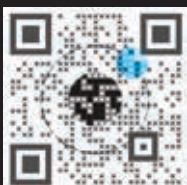
- Temperature Control 0.1°C
- Temperature Range Ambient + 15°C to 260°C



Horizontal Airflow High Performance	Model Number					
	220-230V Details	SM05HP-2 Bench Top	SM010HP-2	SM014HP-2	SM034HP-2 Large Capacity	SM038HP-2
Exterior Dimensions (wxdxh)	Inches	35.0 x 30.5 x 37.5	44.0 x 28.3 x 55.1	59.0 x 29.0 x 57.0	43.0 x 34.3 x 85.5	68.5 x 33.8 x 78.5
	cm	88.9 x 77.5 x 95.3	112.0 x 72.0 x 142.0	150.0 x 73.7 x 144.8	109.3 x 87.0 x 217.2	174.0 x 85.8 x 199.4
Chamber Dimensions (wxdxh)	Inches	20.5 x 20.7 x 20.0	30.0 x 19.7 x 30.1	44.0 x 20.5 x 36.0	31.5 x 26.0 x 60.5	48.0 x 25.5 x 54.0
	cm	52.0 x 52.7 x 50.8	76.0 x 50.0 x 77.0	111.0 x 52.0 x 91.0	80.0 x 66.0 x 153.6	121.9 x 64.7 x 137.1
Incubator Chamber Capacity	cu ft	4.9	10	13.8	28	38
	L	139	306	392	793	1083
Temperature Uniformity	Celcius	+/- 1.0°C at 110°C	+/- 0.75°C at 110°C	+/- 1.5°C at 110°C	+/- 1.5°C at 110°C	+/- 2.0°C at 110°C
Recovery Time	Minutes	4 to 110°C	6 to 110°C	6 to 110°C	4 to 100°C	12 to 110°C
Number of Shelves	Included	2	3	6	6	12
	Maximum	8	6	12	12	24

\*All specifications are determined by using average values on standard equipment at an ambient temperature of 25°C (77°F) and line voltages within +/-10% of unit type (115V/230V). Temperature specifications follow DIN 12880 methodology. We reserve the right to change specifications at any time. For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com)

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