

**Thermotron Temperature Humidity Test Chamber
 SE-2000 Chamber Specifications and Performance**

	SE-2000-10
Interior Dimensions [Cm / Inches (width/depth/height)]	122 x 122 x 132 / 48 x 48 x 52
Volume (Liters / Cubic feet)	1,965 / 69
Exterior Dimensions [Cm / Inches (width/depth/height)]	142 x 234 x 242 / 56 x 92 x 95
Window Size [Cm / Inches (width/height)]	38 x 48 / 15 x 19
Temperature Range [Celsius / Fahrenheit]	-40° to +180° / -40° to +356°
Temperature Control [Celsius / Fahrenheit]	±0.3° / ±0.5°
Temperature Uniformity* [Celsius / Fahrenheit]	±0.7° / ±1.2°
Airflow (Approximate) [Liters/min (Cubic feet/min)]	28,316 (1,000)
Performance Capacity	
Cooling (Minutes) Air Temperature with Empty Chamber	
+180°C to +25°C	T
+180°C to 0°C	T
+180°C to -20°C	T
+180°C to -35°C	42
+180°C to -40°C	T
+71°C to -35°C	26
+85°C to -20°C	14
Heating (Minutes) Air Temperature with Empty Chamber	
-35°C to +180°C	24
-35°C to +25°C	T
-35°C to +100°C	T
-35°C to +71°C	10
-20°C to +85°C	10

- * **Temperature Uniformity:** Standard deviation from the mean, measured at either -25°C (-13°F) or +100°C (+212°F).
- ** **Description of Standard Test Load:** 23 kg (50 lbs) comprised of ten 12-gauge aluminum sheets, 52 cm x 52 cm (20.5" w x 20.5" h), in a vertical orientation, spaced 5 cm (2") apart, with the Product Temperature Control thermocouple on the center sheet.
- *** **Noise Level:** A-weighted sound pressure level measured at a distance of 1.0 meter (39.4 inches) from the surface of the equipment at a height of 1.6 meters (63 inches) from the floor in free-field conditions, using a calibrated instrument.

Specifications subject to change. The addition of optional accessories may impact performance.

Performance is based upon operation at 24°C (75°F) ambient air and may vary slightly at other ambient temperatures. Voltages below those specified may affect performance. Chambers are designed for use under normal laboratory conditions.

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