

Thermo Scientific Precision High-Performance Ovens

Built for drying applications requiring high temperatures, ultra-precise temperature stability and reproducibility with a very broad temperature range of ambient +15° to 325°C



- High-quality construction and high-efficiency insulation provide temperature uniformity as precise as $\pm 0.5^{\circ}\text{C}$ with excellent stability and air exchange within the chamber
- Mechanical convection provides uniform heating, precise temperature control and fast drying using a blower that circulates heated air in a horizontal airflow pattern

Advanced Microprocessor PID Controls

- Bright LED display of actual and setpoint temperatures using 2-line, 4-digit
- Built-in 12-hour mechanical timer along with user-adjustable safety thermostat allows for power cut-out in case of over-temperature
- Highly responsive RTD sensor provides temperature sensitivity of $\pm 0.1^{\circ}\text{C}$ or better

Two Specialty Units

- Model 605P: Extra baffle provides low airflow for precise drying and testing of material with minimal disruption of volatile components
- Model 625S: Features a rear blowout panel with retaining cage and positive action front-door catches for volatile material testing

Energy- and Safety-Efficient Construction

- Heat-up time to 325°C: 45-60 minutes, depending on model
- Turbo blowers for efficient drying are side-mounted within stainless-steel chamber
- Stainless-steel exterior door with fiberglass gasket for secure, tight seal
- Cold-rolled, chemical-resistant steel cabinet with powder-coated finish
- High-limit safety with built-in circuit breaker protects oven from power surges
- Fiberglass door gasket prevents heat loss
- Low-density heating elements ensure long life
- Non-tip shelves spaced 4cm (1.6in.) apart quickly, easily remove for thorough cleaning – 2 supplied

Includes: Two nickel-plated nontip shelves **Warranty^Y:** 12 months, parts and labor

Compliance: ASTM* E145 Type IIA, ASTM D-2436, and UL 746B performance/uniformity standards

Notes: Requires hardwired installation by a qualified technician; Ordering Alerts: Not available in Europe

Warranty^Y: 1 year (parts and labor)

Certifications: all models are UL listed

PRODUCT NOT AVAILABLE IN EUROPE

*Values stated apply to the unloaded oven in conjunction with wire mesh trays (measurement according to DIN 12880, Part 2), air flap closed.

Cat. No.	Model	Capacity	Interior D x W x H	Exterior D x W x H	Electrical	Temperature Uniformity	Temperature Range	Max. Output Power
6050	605	39.6L (1.4 cu. ft.)	33 × 36 × 33cm (13 × 14 × 13in.)	61 × 97.8 × 63.5cm (24 × 38.5 × 25in.)	120V 50/60Hz, 2500w/20.8A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	8538 BTU/hr.
6051	605	39.6L (1.4 cu. ft.)	33 × 36 × 33cm (13 × 14 × 13in.)	61 × 97.8 × 63.5cm (24 × 38.5 × 25in.)	208/230V 50/60Hz, 2500w/10.9A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	8538 BTU/hr.
6052	605P	39.6L (1.4 cu. ft.)	33 × 36 × 33cm (13 × 14 × 13in.)	61 × 97.8 × 63.5cm (24 × 38.5 × 25in.)	120V 50/60Hz, 2500w/20.8A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	8538 BTU/hr.
6053	605P	39.6L (1.4 cu. ft.)	33 × 36 × 33cm (13 × 14 × 13in.)	61 × 97.8 × 63.5cm (24 × 38.5 × 25in.)	205/230V 50/60Hz, 2500w/10.9A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	8538 BTU/hr.
6054	625	113.3L (4.0 cu. ft.)	48.3 × 48.3 × 48.3cm (19 × 19 × 19in.)	71.1 × 114.3 × 73.7cm (28 × 45 × 29in.)	208/230V 50/60Hz 3700w 16.1A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	12,636 BTU/hr.
6055	625S	113.3L (4.0 cu. ft.)	48.3 × 48.3 × 48.3cm (19 × 19 × 19in.)	71.1 × 114.3 × 73.7cm (28 × 45 × 29in.)	208/230V 50/60Hz 3700w 16.1A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	12,636 BTU/hr.
6056	645	269L (9.5cuft)	48.3x91.4x61cm (19x36x24in.)	78.7x165.1x91.4cm (31x65x36in.)	208/230V 50/60Hz 3700w/16.1A	±0.5° at 100°C; ±1.0° at 200°C; ±2.1° at 300°C	Ambient +15° to 325 °C	16,393 BTU/hr.

Accessories — Additional Shelving

Cat. No.	For Use with	Max. No. of Shelves
3166188	Precision High-Performance Ovens Models 605/605P	7
3166179	Precision High-Performance Ovens Models 625/625S	11
3166180	Precision High-Performance Oven Model 645	12