

NEOMER

Blue M[®]

ASTM Testing Mechanical Convection Ovens

The Blue M ASTM Mechanical Convection Oven meets type 5374 and 5423 types I and II along with E145 type IA and IIA testing requirements.



▶ General ASTM Testing Mechanical Convection Oven Specifications

- Temperature range: 15°C above ambient to 350°C (662°F)
- Uniformity: per E145 type 1A and 2A specifications
- Control Accuracy: +0.5°C
- Resolution: +/-0.1°C
- Performance data (typical): Run-up to 300°C 60 min. (or less)

▶ Uniform, Accurate and Reliable Temperature Control

- Available with profiling or single setpoint temperature controls.
- Horizontal air flow assures uniform thermal performance under all loading conditions.
- Exclusive Blue M Eterna heating elements - the most reliable available, with heavy-gauge high-temperature nickel chromium wire, low-watt density for longer service life, standard air flow switch.
- Direct drive blower multi-blade centrifugal blower with high-volume air delivery, dynamically balanced with variable frequency drive.

Condensed Specifications					
Model	206 (Bench model)	256 (Bench model)	296 (Floor model)	336 (Floor model)	1406 (Floor model)
Interior Volume	4.2 cu. ft.	5.8 cu. ft.	9 cu. ft.	11.0 cu. ft.	24.0 cu. ft.
Interior Dimensions WxDxH in(mm)	20 x 18 x 20 (508 x 457 x 508)	25 x 20 x 20 (635 x 508 x 508)	25 x 25 x 25 (635 x 635 x 635)	25 x 20 x 38 (635 x 508 x 965)	48 x 24 x 36 (1219 x 610 x 914)
Exterior Dimensions WxDxH in(mm)	40 x 34 x 49 (1016 x 864 x 1295)	45 x 36 x 49 (1143 x 914 x 1245)	50 x 36 x 74 (1270 x 914 x 1880)	45 x 36 x 75 (1143 x 914 x 1905)	68 x 40 x 73 (1727 x 1016 x 1854)
Machine Footprint	9.4 sq. ft.	11.0 sq. ft.	11.0 sq. ft.	11.0 sq. ft.	19.0 sq. ft.
Electrical Service					
208 VAC 1 Ph 50/60 Hz Line current (per ph)	3.0 kW 17	4.5 kW 25	6.0 kW 33	6.0 kW 33	6.8 kW 38
240 VAC 1 Ph 50/60 Hz Line current (per ph)	4.0 kW 20	6.0 kW 29	8.0 kW 35	8.0 kW 35	9.0 kW 44
208 VAC 3 Ph 50/60 Hz Line current (per ph)	6.8 kW 20	9.0 kW 27	13.5 kW 40	13.5 kW 40	18.0 kW 53
240 VAC 3 Ph 50/60 Hz Line current (per ph)	9.0 kW 23	12.0 kW 31	18.0 kW 46	18.0 kW 46	24.0 kW 61
480 VAC 3 Ph 50/60 Hz Line current (per ph)	9.0 kW 12	12.0 kW 16	18.0 kW 23	18.0 kW 23	24.0 kW 31

► General Mechanical Convection Industrial Oven Specifications

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 - Uniformity: per E145 type 1A and 2A specifications
 - Control Accuracy: +0.5°C
 - Resolution: +/-0.1°C
 - Performance data (typical): Run-up to 300°C 60 min. (or less)
- Empty chamber performance with exhaust closed and at rated voltage

► Standard Oven Options

- Nickel-plated wire rod or stainless steel slotted shelves
- Door switch
- 24-hour, 7-day digital process timer
- Circular chart recorder
- Reverse door hinge
- Glass observation panel(s)
- Floorstands
- Casters
- Comm-Link RS-485 to RS-232 converter

► Engineered Oven Options

- Additional lead-in ports
- Interior light
- Redundant over-temperature protection
- Rear access door(s)
- All stainless steel exterior construction
- Special control systems
- Space-saving stack oven design



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