



146 Series Standard Mechanical Convection Ovens

The Blue M Standard Mechanical Convection Oven is ideal for a number of laboratory and industrial oven applications, including ASTM testing, epoxy curing, moisture drying, UL testing, aging of electronic components and devices, and other processes and testing

▶ General Mechanical Convection Industrial Oven Specifications

- Temperature range: 15°C above ambient to 350°C (662°F)
- Uniformity: +/-2% of setpoint
- 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.
- Blue M one-pass air flow controls your profile, including cool down with infinitely variable control from full recirculation to full one pass, and optional motorized damper for automatic operation.
- Direct drive blower multi-blade centrifugal blower with high-volume air delivery, dynamically balanced



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)	45 x 40 x 63 (1143 x 1016 x 1600)	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	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	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	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	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	9.0 kW 12	12.0 kW 16	18.0 kW 23	18.0 kW 23	24.0 kW 31

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- Empty chamber performance with exhaust closed and at rated voltage*

▶ **Standard Oven Options**

- Nickel-plated wire rod or stainless steel slotted shelves
- Door switch
- Motorized intake damper (two-position or proportional)
- Welded and sealed inner chamber
- 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
- Oversized one-pass air flow system for faster cool down
- Redundant over-temperature protection
- Rear access door(s)
- All stainless steel exterior construction
- Special control systems
- Space-saving stack oven design
- Trace solvent safety package
- N2 gas systems



Baker Furnace, Blue M, Gruenberg, Lindberg/MPH, Lunaire, Tenney, Wisconsin Oven

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Specifications and Product Information are subject to change without notice.