



»» Blue M

Industrial Batch Ovens

Batch and Batch Truck Ovens

Blue M industrial batch ovens provide customers with reliability and superior performance. Available in six (6) standard sizes, these batch ovens are ideal for a variety of testing and industrial applications. The Blue M batch oven utilizes a high volume horizontal air recirculation system which maximizes temperature uniformity and performance. Optional items such as stainless steel shelves, viewing windows, and data acquisition devices can be added to meet your process needs.

» Oven Features

- Heavy-gauge steel exterior and interior panels
- Welded 14 and 16 gauge cold-rolled reinforced steel exterior
- Stainless steel-reinforced Type 304 interior
- Fiberglass insulation - 4 full inches minimizes heat loss
- Baked-on powder-coated enamel finish
- Double-wall insulated doors with silicone rubber seal
- Double doors are utilized on 48-inch wide models
- Side-mounted control compartment for easier control access on 60 and 96 cu. ft. models
- Manually adjustable intake/exhaust system

» Uniform, Accurate and Reliable Temperature Control

- Profiling or single set point controls
- Horizontal air flow
- Nichrome wire heaters for durability
- One-pass air flow
- Direct drive blower

» Performance

- Temperature Range:
 - Standard Model: +15°C (27°F) above ambient to 316°C (600°F)
 - High Temperature Model: +15°C (27°F) above ambient to 399°C (750°F)
- Uniformity: $\pm 2\%$ of set point (empty stabilized chamber)
- Resolution: $\pm 0.1^\circ\text{C}$



THERMAL PRODUCT SOLUTIONS

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

Condensed Specifications

Model	166		246		326		366		606		966	
Interior Volume	16.0 cu. ft.		24.0 cu. ft.		32.0 cu. ft.		36.0 cu. ft.		60.0 cu. ft.		96.0 cu. ft.	
Interior Dimensions WxDxH inches (cm)	24 x 24 x 48 (60.7 x 60.7 x 121.9)		36 x 24 x 48 (91.4 x 60.7 x 121.9)		48 x 24 x 48 (121.9 x 60.7 x 121.9)		36 x 36 x 48 (91.4 x 91.4 x 121.9)		36 x 48 x 60 (91.4 x 121.9 x 152.4)		48 x 48 x 72 (121.9 x 121.9 x 182.9)	
Exterior Dimensions WxDxH inches (cm)	51 x 39 x 85 (12.6 x 99.1 x 215.9)		63 x 39 x 85 (160 x 99.1 x 215.9)		75 x 39 x 85 (190.5 x 99.1 x 215.9)		63 x 51 x 85 (160 x 129.5 x 215.9)		80 x 63 x 93 (203.2 x 160 x 236.2)		92 x 63 x 104 (233.9 x 160 x 264.2)	
Machine Foot Print	13.8 sq. ft.		17.1 sq. ft.		20.3 sq. ft.		22.3 sq. ft.		35.0 sq. ft.		40.2 sq. ft.	
Electrical Service	Std	Hi Power/ Hi Temp	Std	Hi Power/ Hi Temp	Std	Hi Power/ Hi Temp	Std	Hi Power/ Hi Temp	Std	Hi Power/ Hi Temp	Std	Hi Power/ Hi Temp
208 VAC 3Ph 60Hz Line current	9kW 29 FLA	13.5kW 44 FLA	10.5kW 33 FLA	16kW 51 FLA	13.5kW 42 FLA	20kW 61 FLA	13.5kW 42 FLA	20kW 61 FLA	18kW 60 FLA	26kW 84 FLA	24kW 76 FLA	Contact factory
240 VAC 3Ph 60Hz Line current	12kW 33 FLA	18kW 50 FLA	14kW 38 FLA	21kW 58 FLA	18kW 47 FLA	27kW 70 FLA	18kW 47 FLA	27kW 70 FLA	24kW 68 FLA	34.5kW 96 FLA	32kW 87 FLA	Contact factory
480 VAC 3Ph 60Hz Line current	12kW 17 FLA	18kW 24 FLA	14kW 19 FLA	21kW 28 FLA	18kW 24 FLA	27kW 35 FLA	18kW 24 FLA	27kW 35 FLA	24kW 34 FLA	36kW 48 FLA	32kW 43 FLA	48kW 62 FLA

* All specifications are subject to change without notice.

▶ Standard Batch Oven Options

- Stainless steel slotted shelves
- High power for fast heat-up, high exhaust for large loads
- Door switch
- Motorized intake damper (2 position or proportional)
- Welded and sealed inner chamber (vapor tight)
- 24-hour, 7-day programmable timer
- 10" circular chart recorder
- Reverse door hinge
- Redundant over-temperature protection

▶ Engineered Oven Options

- Additional lead-in ports
- Interior light
- Glass observation panel(s)
- Rear access door(s)
- All stainless steel construction
- Special control systems
- Multi-door configurations for process flexibility
- High-temperature capability of 399°C (750°F)

▶ Roll-In Rack Options

- Stainless steel roll-in racks
- Roll-in rack shelves
- Special truck channel or flat uninsulated floor for customer designed racks
- Custom designed roll-in racks for product fixturing
- Pass-through "tunnel" design with front and rear doors



**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.