



146 Series Inert Gas Mechanical Convection Ovens

The Blue M Inert Gas Mechanical Convection Oven, which we pressure-test at normal operating levels, is ideal for industrial oven applications that involve processing materials in a controlled atmosphere environment, as well as dry packaging of electronic components.

► Inert Gas Oven Features

- Temperature range: 15°C above ambient to 316°C (600°F)
- Uniformity: +/-1% of setpoint
- Control Accuracy: +0.5°C
- Resolution: +/-0.1°C
- Performance data (typical): Run-up to 300°C 60 min. (or less)
- Safety air flow switch on single-phase models



Condensed Specifications

Model	146 (Bench model)	206 (Bench model)	256 (Bench model)	296 (Floor model)	136 (Floor model)	336 (Floor model)	1406 (Floor model)
Interior Volume	1.6 cu. ft.	4.2 cu. ft.	5.8 cu. ft.	11.0 cu. ft.	24.0 cu. ft.	24.0 cu. ft.	24.0 cu. ft.
Interior Dimensions WxDxH in(mm)	14 x 14 x 14 (356 x 356 x 356)	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)	38 x 20 x 25 (965 x 508 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)	34 x 30 x 51 (864 x 762 x 1295)	40 x 34 x 57 (1016 x 864 x 1448)	45 x 36 x 57 (1143 x 914 x 1448)	50 x 36 x 74 (1270 x 914 x 1880)	45 x 36 x 84 (1143 x 914 x 2134)	45 x 36 x 84 (1143 x 914 x 2134)	48 x 24 x 36 (1219 x 610 x 914) 68 x 40 x 82 (1727 x 1016 x 2083)
Machine Footprint	7.1 sq. ft.	9.4 sq. ft.	11.0 sq. ft.	15.0 sq. ft.	11.0 sq. ft.	19.0 sq. ft.	19.0 sq. ft.
Electrical Service							
208 VAC 1 Ph 60 Hz Line current	2.2 kW 14	3.0 kW 17	4.5 kW 25	6.0 kW 33	6.0 kW 33	6.0 kW 38	6.8 kW 38
240 VAC 1 Ph 60 Hz Line current	3.0 kW 16	4.0 kW 20	6.0 kW 29	8.0 kW 35	8.0 kW 35	8.0 kW 44	9.0 kW 44
208 VAC 3 Ph 60 Hz Line current	N/A	6.8 kW 20	9.0 kW 27	13.5 kW 40	13.5 kW 40	13.5 kW 53	18.0 kW 53
240 VAC 3 Ph 60 Hz Line current	N/A	9.0 kW 23	12.0 kW 31	18.0 kW 46	18.0 kW 46	18.0 kW 46	24.0 kW 61
480 VAC 3 Ph 60 Hz Line current	N/A	9.0 kW 12	12.0 kW 16	18.0 kW 23	18.0 kW 31	18.0 kW 31	24.0 kW 31

General Specifications

- Temperature range: 15°C above ambient to 316°C (600°F)
 - Uniformity: +/-1% of setpoint
 - 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*

Inert Gas Oven Options

- Stainless steel slotted shelves
- 24-hour, 7-day digital process timer
- Circular chart recorder
- Reverse door hinge
- Floorstands
- Casters
- Comm-Link RS-485 to RS-232 computer interface
- Control and monitor software

Engineered Oven Options

- Lead-in pipes
- Redundant over-temperature protection
- Rear access door(s)
- All stainless steel exterior construction
- Special control systems
- Space-saving stack oven design



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

Address: 2821 Old Route 15 | New Columbia, PA 17856-9396 | USA
Phone: (570) 538-7200 | Fax: (570) 538-7380
info@thermalproductsolutions.com

Specifications and Product Information are subject to change without notice.