



TPS
Thermal Product Solutions

»» Blue M

Burn-In Ovens

Blue M Burn-In Ovens

Blue M designs and builds trademark tough industrial burn-in ovens with uniform, reliable temperature control and numerous standard features. These industrial batch ovens are ideal for burn-in applications for electronic components, devices and assemblies.

► General Industrial Burn-In Oven Specifications

- Temperature range: 15°C above ambient to 300°C (572°F)
- Uniformity: 1% of setpoint (empty chamber at 125°C)
- Control Accuracy: 1.0°C
- Resolution: 0.1°C
- Wattage dissipation: at 125°C, 60Hz, 6,600 Watts; at 125°C, 50Hz; 5,500 Watts



Condensed Specifications						
Model	9F (Horizontal Air flow)	9F (Vertical Air flow)	16F (Horizontal Air flow)	165F (Vertical Air flow)	32F (Horizontal Air flow)	32F (Vertical Air flow)
Interior Volume	9.0 cu.ft.	9.0 cu.ft.	16.6 cu.ft.	16.6 cu.ft.	33.3 cu.ft.	33.3 cu.ft.
Interior Dims. WxDxH in(cm)	25 x 25 x 25 (63.5 x 63.5 x 63.5)	25 x 25 x 25 (63.5 x 63.5 x 63.5)	24 x 25 x 48 (61 x 63.5 x 121.9)	48 x 25 x 24 (121.9 x 63.5 x 61)	48 x 25 x 48 (121.9 x 63.5 x 121.9)	48 x 25 x 48 (121.9 x 63.5 x 121.9)
Exterior Dimensions WxDxH in(cm)	41 x 28 x 85 (104.1 x 71.1 x 215.9)	58 x 38 x 68 (147.3 x 96.5 x 172.7)	42 x 37 x 84 (106.7 x 94 x 213.4)	83 x 37 x 58 (210.8 x 94 x 147.3)	66 x 37 x 84 (167.6 x 94 x 213.4)	83 x 37 x 82 (210.8 x 94 x 208.3)
Machine Footprint	10.8 sq.ft.	15.3 sq.ft.	10.7 sq.ft.	21.3 sq.ft.	16.9 sq.ft.	21.3 sq.ft.
Electrical Service						
208 VAC 3Ph 60 Hz Line current	7.5 kW 26 amps	7.5 kW 26 amps	11.0 kW 40 amps	11.0 kW 40 amps	14 kW 48 amps	14 kW 48 amps
240 VAC 3Ph 60 Hz Line current	10.0 kW 29 amps	10.0 kW 29 amps	14 kW 47 amps	14 kW 47 amps	18.5 kW 54 amps	18.5 kW 54 amps
480 VAC 3Ph 60 Hz Line current	10.0 kW 15 amps	10.0 kW 15 amps	11 kW 18 amps	11 kW 18 amps	14.0 kW 22 amps	14.0 kW 22 amps

Performance Data (Typical)		
Live Load	Run-up time to 125°C (257°F)	Cool-down time
1,500 Watts	8 minutes	to 40°C: 30 minutes
3,000 Watts	6 minutes	to 50°C: 40 minutes
5,000 Watts	5.5 minutes	to 70°C: 30 minutes

Data based on 25°C (77°F) - at ambient rated voltage -
Meets Mil. 833C, Method 1015.4

All specifications are subject to change without notice.

► Oven Features

- Heavy-gauge steel exterior and stainless steel interior, all exterior panels are at least 16 gauge
- All welded and sealed construction assures trace oxygen levels and eliminates gas migration into insulation
- 4" fiberglass insulation
- Baked-on powder-coated enamel finish
- Silicone door seal design for positive sealing of door
- Clean side walls for unobstructed side-by-side installation

► Standard Batch Oven Options

- 10" circular chart recorder
- Floorstand for BI-9 and BI-9V models
- Lead-in ports

► Engineered Oven Options

- Rear access door(s)
- Redundant over-temperature protection
- Welded and steel interior
- N2 purge

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 - Control Accuracy: 1.0°C
 - Resolution: 0.1° C
 - Wattage dissipation: at 125°C, 60Hz, 6,600 Watts; at 125°C, 50Hz, 5,500 Watts
- Empty chamber performance with intake and exhaust closed at rated voltage*



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Specifications and Product Information are subject to change without notice.