

> Blue M

Stacked Ovens

STL-05 Stacked Oven

Blue M stacked industrial ovens have earned a long-standing reputation for exceptional performance, long service life and ease of operation over a broad range of applications. The STL series integrally stacked Blue M mechanical convection oven is suitable for curing, drying, and baking in semiconductor, electronic, and many other industrial applications.

▶ General Specifications

- Temperature range: 15°C above ambient to 316°C (650°F)
- Uniformity: $\pm 1\%$ of setpoint
- Control Accuracy: $+0.5^\circ\text{C}$
- Resolution: $\pm 0.1^\circ\text{C}$



<i>Condensed Specifications</i>	
<i>Model</i>	STL-05 Stacked Oven
Interior Volume (per oven)	5.8 cu. ft. (164 l)
Interior Dimensions WxDxH	25 x 20 x 20 inches 635 x 508 x 508 mm
Exterior Dimensions WxDxH	52.3 x 49 x 74 inches 1328 x 1245 x 1880 mm
Machine Footprint	17.75 sq. ft. 1.65 sq. meters
<i>Electrical Service</i>	
208 VAC 1 Ph 50/60 Hz Line current (per ph)(per oven)	4.2 kW 25 Amps
208 VAC 1 Ph 50/60 Hz Line current (per ph)(per oven)	6.0 kW 29 Amps
208 VAC 3 Ph 50/60 Hz Line current (per ph)(per oven)	9.0 kW 27 Amps
240 VAC 3 Ph 50/60 Hz Line current (per ph)(per oven)	12.0 kW 31 Amps
480 VAC 3 Ph 50/60 Hz Line current (per ph)(per oven)	12.0 kW 16 Amps

▶ STL-05 Oven Options

- 24-hour, 7-day digital process timer
- Circular or strip chart recorder
- RS232/RS485 communications converter
- Light tower
- Emergency power off switch (EMO)
- Spec View data acquisition software
- NIST traceable certificate of calibration
- Dry box oven with N2 gas system

▶ Engineered Oven Options

- Lead-in pipes
- Redundant overtemperature protection
- All stainless steel exterior construction
- Special control systems
- Door interlocks
- Class 1000 clean room assembly and packaging
- Standard air model
- Customer specified options as factory proposed and authorized
- Reverse door hinges
- 5-point thermocouple survey
- Temp. deviation alarms
- Filtered process air/atmosphere intake
- N2 low flow switch alarm
- N2 low pressure switch alarm

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- Resolution: ±0.1°C

Empty chamber performance at rated voltage

Specifications & Product Information is subject to change without notice.

Images for reference only. Options and accessories may not be included with all models.



Gruenberg, Blue M, Tenney

Mailing Address: P.O. Box 150 | White Deer, PA 17887-0150 | USA |

Phone: (570) 538-7200 | Fax: (570) 538-7380

Physical Address: 2821 Old Route 15 | New Columbia, PA 17856-9396

TPSinfo@tps.spx.com