



TPS[™]
Thermal Product Solutions

»»Blue M

Stacked Ovens

STL-05 Stacked Ovens

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 343°C (650°F)
- Uniformity: +/-1% of setpoint
- Control Accuracy: +0.5°C
- Resolution: +/-0.1°C



Condensed Specifications	
Model	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
Electrical Service	
208 VAC 1 Ph 60 Hz Line current (per oven)	4.2 kW 25 Amps
208 VAC 1 Ph 60 Hz Line current (per oven)	6.0 kW 29 Amps
208 VAC 3 Ph 60 Hz Line current (per oven)	9.0 kW 27 Amps
240 VAC 3 Ph 60 Hz Line current (per oven)	12.0 kW 31 Amps
480 VAC 3 Ph 60 Hz Line current (per oven)	12.0 kW 16 Amps

All specifications are subject to change without notice.

▶ 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 over-temperature protection
- All stainless steel exterior construction
- Special control systems
- Door interlocks
- Class 1000 clean room assembly and packaging
- 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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Empty chamber performance at rated voltage



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THERMAL PRODUCT SOLUTIONS

»» Blue M »» Gruenberg »» Lindberg/MPH »» Tenney