



## **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: ±1% of setpoint
- Control Accuracy: +0.5°C
- Resolution: ±0.1°C



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<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

Additional voltages available. 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 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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Empty chamber performance at rated voltage