

## Lindberg/Blue M Stabil-Therm Mechanical Convection Ovens

These mechanical convection horizontal airflow ovens are designed to meet the most critical laboratory requirements. The Lindberg/Blue M Stabil-Therm design has been proven the world over for over forty years in all types of laboratories and research facilities.

### features

- mechanically forced airflow
- quality construction
- variable temperature control
- stainless steel construction



OV-474A-3 interior view



OV-472A-3

### benefits

- provides precise chamber uniformity
- durable, rugged performance
- allows multiple temperature setpoints
- resists corrosion

...on the leading edge of temperature technology



Moldatherm Box Furnace



Waterbath



1200 C Box Furnace



Mechanical Convection Oven



1200 C Tube Furnace  
and Controller

## construction and applications

These ovens are quality constructed, and built for dependable service. Popular among analytical laboratories involving general chemical work including baking, drying, conditioning, preheating, and other utility jobs. They are also ideal for processing lightweight small components in limited quantities. Excess temperature protection is included as standard, making these ovens ideal for heating rare or costly samples.

All models utilize stainless steel interior. Ovens feature stainless steel or durable enameled exterior. All six sides of oven are insulated with at least 2 inches of fiberglass to provide temperature uniformity of  $\pm 1\text{C}$ . The double wall oven door, also stainless steel, is fully insulated to reduce heat loss and improve temperature uniformity.

A fresh air intake and exhaust vent, both with an adjustable cover, are included with the oven. Shelves and brackets are designed for maximum airflow. Two adjustable stainless steel wire shelves are included for all models with stainless exteriors. Two adjustable nickel plated steel shelves are included with all models featuring enameled steel exteriors. All models are UL listed.

## specifications **CAUTION: Ovens not suitable for hazardous vapors.**

Model	Chamber dim. WxDxH, in., (mm)	Overall dim. WxDxH, in., (mm)	Watts	Volts 60 Hz,* 1 ph.	Ext. finish	Shipping wt. lbs., (kg)	Ft <sup>3</sup> Cap.
OV-472A-5	13 x 12 x 12 (330)x(305)x(305)	22 x 21 x 29 (550)x(530)x(730)	1000	120	Enamel	90 (40)	1
OV-490A-3	19 x 15 x 18 (483)x(381)x(457)	29 x 24 x 37 (730)x(605)x(930)	1600	120	Enamel	162 (72)	3
OV-500C-3	19 x 15 x 18 (483)x(381)x(457)	29 x 24 x 37 (730)x(605)x(930)	1600	120	Enamel	160 (72)	3
OV-475A-3	13 x 12 x 12 (330)x(305)x(305)	22 x 21 x 29 (550)x(530)x(730)	1000	120	Stainless	85 (38)	1
OV-510A-3	19 x 15 x 18 (483)x(381)x(457)	29 x 24 x 37 (730)x(605)x(930)	1600	120	Stainless	155 (70)	3
OV-520C-3	19 x 15 x 18 (483)x(381)x(457)	29 x 24 x 37 (730)x(605)x(930)	1600	240	Stainless	155 (70)	3

\*Ovens may be retrofitted to operate in 50 Hz. Please contact Lindberg/Blue M.

## optional accessories

Model Number	Double Glass Observation Panel (60P)	Automatic Shut-off Timer/ Automatic Program Timer	Extra Shelves and Brackets
OV-475A-3	GPA-101	C12A-1/24 Hour Time Cycle C12A-3/7 Day Time Cycle	M04-C1231
OV-510A-3	GPA-101	C12A-1/24 Hour Time Cycle C12A-3/7 Day Time Cycle	M04-C1231
OV-520C-3	GPA-101	C12A-1/24 Hour Time Cycle C12A-3/7 Day Time Cycle	M04-C1247
OV-472A-3	GPA-100	C12A-1/24 Hour Time Cycle C12A-3/7 Day Time Cycle	M04-A2051
OV-490A-3	GPA-100	C12A-1/24 Hour Time Cycle C12A-3/7 Day Time Cycle	M04-A2067
OV-500C-3	GPA-100	C12A-1/24 Hour Time Cycle C12A-3/7 Day Time Cycle	M04-A2067

**Lead-In Ports:** POR-300S Stainless tube with adjustable stainless cover. Installed in rear, right, left walls, or in door. 3" O.D., 2<sup>7</sup>/<sub>8</sub>" I.D.

**3 Wire Cord and Plug:** E07A-2 (OV-490A-3, OV-510A-3)  
E07A-4 (OV-500C-3, OV-520C-3)

Autoformer for operation on 208/240 Volt (a 25% reduction in element power will result).  
Optional cabinet type floor stands are available for all units.



## Standard Pro-Tronix II™ Digital Control

The Pro-Tronix II™ control features an LED display, setpoints adjustable to  $\pm 1\text{C}$  of resolution, completely electronic main temperature control, and an independent overtemperature alarm (OTA). Control panel is durable and easy to operate.

**LINDBERG/BLUE M**

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All specifications are subject to change without notice. All dimensions are approximate.

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