

LAARMANN®

Innovators in Solids

Drying Oven LM-HAD 2500/5000/10000

High Quality hot air cabinets
with 2.5, 5.0, or 10.0m³

- Superior transportability by Flat Pack Design for cabinets and trolleys
- Optimized air ventilation
- Programmable digital control
- Wide range of accessories
- Ease of installation



Well proven, high moisture reduction drying ovens with 2.2, 5 or 10m³

LAARMANN offer various standard sizes of well proven electrically heated ovens that have been specifically designed to withstand the corrosive environment inherently created within them by the combination of high temperature, moisture and often chemically active atmosphere created by the drying process. Each is supplied as standard with one or more wheeled trolleys incorporating a number of heavy duty wire mesh racks on which the samples to be dried are placed.

Moisture within the cabinet is prevented from passing through the internal walls to corrode the cabinet's framework by a combination of the use of "blind" stainless steel rivets and specific sealing of all internal joints. Robust refrigeration style handles are fitted to the cabinet door/s which allow external and internal operation.

Method of operation

A stainless steel fan assembly is integrated in to the cabinet in a manner which assures the moving air within it is constantly recirculated over the electric heating elements and is evenly distributed within the cabinet. Manually adjustable inlet and outlet vents are provided to allow the air flow through the cabinet to be controlled for optimum drying performance. Each oven is supplied as standard with digital temperature controls incorporating automatic over temperature control with separate thermo- couple and mechanical thermostat circuit

High operator convenience and maximum safety

The cabinet is easy to clean. The cabinet has a robust refrigeration style handle for ergonomic closing of the door. The trolleys with industrial castor wheels ensures the convenient filling of the cabinets. The heating parameters are programmable via an external digital display.



Advantages of the LM-HAD Series

The special **LAARMANN Flat-Pack-Design** allows the effortless transport and installation of the high capacity cabinets and trolleys. And subsequently reduces transportation and handling costs. The ovens and trolleys are easily assembled on site. This avoids having to break through walls, often necessary for other vendors, during installation.

Features and benefits

- Solidly constructed welded steel frame of heavy gauge rectangular hollow section steel tube clad internally with grade 304 stainless steel and externally with zinc anneal sheeting.
- Accoustic Noise Reduction vibration damping composite material.



- External surfaces of the cabinet are powder coated
- The cabinet is designed for optimized air circulation
- The floor of the cabinet is of 5mm steel plate
- Digital programmable control unit



- Large diameter, heavy duty industrial castor wheels are fitted to assure the trolley can be readily rolled in and out of the cabinet



- Trolleys with heavy duty wire mesh racks





Drill core



Ferroniobium



Ferro-tungsten



Ferrotitanium



Applications

- Soil samples
- Drill core
- Mineral samples
- Heating up of drums
- Agriculture samples

Accessories

A wide range of sample vessels made from stainless steel are available.



Details Drying Ovens LM-HAD

Model	LM-HAD 2500	LM-HAD 5000	LM-HAD 10000
Internal volume	2.5 m ³	5.0 m ³	10.0 m ³
No. of trolleys	1 x 6 shelves	2 x 9 shelves	4 x 9 shelves
Electrical requirements	3x400V, 50Hz	3x400V, 50Hz	3x400V, 50Hz
Power	12 KW	12 KW	24 KW
Fan	0.37kW, 3 x 400V, 50 Hz	0.37kW, 3 x 400V, 50 Hz	0.37kW, 3 x 400V, 50 Hz

LAARMANN

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