

Forced Air Drying Oven LD-LFDO-B14

Labodam Equipment Ltd.

info@labodam.com | www.labodam.com

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Overview

Labodam Forced Air Drying Oven is designed for controlled heating, drying and thermal processing of laboratory materials in applications requiring a large-capacity chamber. Its forced-convection circulation system distributes heated air throughout the chamber to support consistent processing of samples and materials across multiple shelf levels. The series is available in five chamber capacities, allowing laboratories and industrial facilities to select a configuration according to processing volume and workspace requirements.

Features:

- Forced-convection air circulation to promote effective heat distribution throughout the chamber
- PID-based temperature regulation for controlled heating operation
- PT100 sensing arrangement for temperature monitoring
- Digital LCD interface for convenient viewing of operating conditions
- Programmable waiting/timing function to support scheduled drying cycles
- Configurable shelf arrangement to accommodate different sample loads
- Over-temperature protection with automatic power cut-off
- Optional programmed temperature controller, additional shelves, RS485 interface, printer and top- or side-mounted test hole

Applications:

Suitable for drying, heating, moisture removal and thermal conditioning of laboratory glassware, instruments, materials and samples in research, pharmaceutical, industrial and quality-control laboratories. The large chamber options are intended for facilities processing substantial sample quantities or larger batches.

Specifications:

Timer	0–9999 min, with timing-wait function
Display	Digital LCD
Capacity	3070 L
Controller	PID
Net weight	700 kg
Gross weight	800 kg
Power supply	380 V, 50/60 Hz
Safety device	One-key over-temperature power-off protection
Circulation mode	Forced air convection

Power consumption	15000 W
Temperature range	RT + 10°C to 300°C
Temperature sensor	PT100
External body material	Galvanized sheet with electrostatic spray coating
Temperature resolution	0.1°C
Temperature uniformity	±3%
Temperature fluctuation	±1°C
Internal chamber material	Iron sheet / stainless steel
Shelves (standard / maximum)	2 / 18
Package dimensions (W × D × H)	1870 × 1620 × 2230 mm
External dimensions (W × D × H)	1750 × 1400 × 1900 mm
Internal dimensions (W × D × H)	1600 × 1200 × 1600 mm