

LEOSMAK · COMPACT

LEO-007

Up to 7 kg per batch capacity. The LEO-007 Compact Freeze Dryer offers reliable small-batch performance with intuitive controls, remote monitoring, and efficient energy use.



BATCH CAPACITY

7 kg

AVG. ENERGY USE

1.2 kWh / h

SHELF AREA

0.61 m²

APPLICATIONS

Freeze-Drying for Fruits & Vegetables

Freeze-Drying for Nutraceuticals & Supplements

CE marked

Built in EU

Why choose the LEO-007

- ✓ **Small-batch production & R&D** — for small producers who want to freeze and dry in one machine.
- ✓ **Freezes in the chamber** — radiant freezing and heating shelves — no separate blast freezer needed. Recipes scale straight up to industrial LEO units.
- ✓ **Up to 7 kg per batch** — small-scale production runs.
- ✓ **Energy-efficient, easy to run** — low power draw, Auto mode for common products, full manual control for complex recipes.

CAPACITY & OUTPUT

Batch capacity (fresh load)	7 kg
Ice condenser capacity	10 kg
Total shelf area	0.61 m²
Number of shelves	5
Number of trays	5
Tray size	GN 2/3, 2-4 cm

PROCESS & CYCLE

Shelf temperature range	-40 to +70 °C
Min. condenser temperature	-40 °C
Defrosting	Automatic (≈3 h)
Defrost time	3 h

VACUUM & REFRIGERATION

Vacuum pump type	Oil-sealed (oil-free option)
Refrigeration type	Air-cooled
Refrigerant	R-452B

CONTROL & MONITORING

Control system	LCD touchscreen + Wi-Fi
Menu language	English
Data logging & recipes	Wi-Fi app monitoring
Remote monitoring	Yes

BUILD

Chamber material	AISI 304 stainless steel
Shelf material	Stainless steel
Body color options	Jet Black, Traffic White, Stainless Steel, Other RAL

POWER & FOOTPRINT

Power supply	220-240 V / 1~ / 50 Hz
Connected load	3.5 kW
Energy consumption (avg)	1.2 kWh/h
External dimensions (W × D × H)	600 × 720 × 910 mm
Net weight	117 kg

WARRANTY & SERVICE

Warranty	24 months (extendable to 36)
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Recommended accessories

6× Stainless steel tray GN 2/3 20 mm for LEO-007 Fits: LEO-007

6× Stainless steel tray GN 2/3 40 mm for LEO-007 Fits: LEO-007

AMARU Mineral oil for vacuum pump 10 L Fits: All

AMARU Mineral oil for vacuum pump 20 L Fits: All

AMARU Viktor – Ozone decontaminator

More accessories are available in our online store — follow the QR code.



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Scan for live specifications, current pricing and to request a quotation.