LEOSMAK · INDUSTRIAL

LEO-130

Up to 130 kg per batch on 36 GN 2/1 trays, 12.58 m² of shelf area. Industrial freeze dryer in AISI 304 stainless steel with an oil-free vacuum pump as standard, mobile-app control and remote adjustment during the cycle.



BATCH CAPACITY	AVG. ENERGY USE	SHELF AREA
130 kg	4 kWh / h	12.58 m²

APPLICATIONS: Freeze-Dryers for Fruit and Vegetables; Freeze-Dryers for Pet Food Production

CE marked · Built in EU

Why choose the LEO-130

- **Industrial production lines**: continuous large-scale output for food manufacturers.
- **Same recipe logic at industrial scale**: recipes proven on the compact LEO units run here unchanged, which lowers the risk of scaling up.
- **Up to 130 kg per batch**: 9 shelves, 36 trays, 12.58 m² of shelf area.
- **Connected, hygienic build**: stainless steel for hygiene and long service life, mobile-app control and real-time remote adjustment.

CAPACITY & OUTPUT

Batch capacity (fresh load)	**130 kg**
Ice condenser capacity	**220 kg**
Total shelf area	**12.58 m²**
Shelf size	**650 × 2150 mm**
Shelves	**9**
Trays	**36**
Shelf spacing	**50 mm**
Tray size	**GN 2/1, 2–4 cm**
Loading	**Cart**

PROCESS & CYCLE

Shelf temperature range	**-35 to +70 °C**
Min. condenser temperature	**-45 °C**
Defrosting	**Automatic, Fast Defreeze (standard)**
Defrost time	**≈60 min (depends on ice load)**
Sweets mode	**Yes, vacuum-drying mode for confectionery**

VACUUM & REFRIGERATION

Vacuum pump type	**Oil-free dry screw pump (standard)**
Refrigeration type	**Air-cooled**
Refrigerant	**R-448A**

CONTROL & MONITORING

Control system	**LCD touchscreen + Wi-Fi**
Menu language	**English**
Data logging & recipes	**Cloud admin panel: full cycle history, charts and data export · Wi-Fi app monitoring and notifications**
Remote monitoring	**Yes**

BUILD

Chamber material	**AISI 304 stainless steel**
Shelf material	**Stainless steel**
Observation	**Observation window**
Body color options	**Stainless steel**
Max. noise level	**65 dB(A) max. (DIN 45635)**
IP protection	**IP65 (DIN 60529)**

POWER & FOOTPRINT

Power supply	**400 V / 3~ / 50 Hz**
Connected load	**15 kW**
Nominal power	**12 kW**
Mains fuse	**25 A**
Energy consumption (avg)	**4 kWh/h**
External dimensions (W × D × H)	**1100 × 3500 × 2200 mm**
Net weight	**2000 kg**

WARRANTY & SERVICE

Warranty	**24 months (extendable to 36)**

Recommended accessories

36× Stainless steel tray GN 2/1 20 mm for LEO-130	Fits: LEO-130
36× Stainless steel tray GN 2/1 40 mm for LEO-130	Fits: LEO-130
LEO-130 Warranty extension – 3rd year	Fits: LEO-130
AMARU Mineral oil for vacuum pump 10 L	Fits: all models
AMARU Mineral oil for vacuum pump 20 L	Fits: all models

More accessories in our online store: scan the QR code.

+34 614 332 324 team@freeze-drying.tech freeze-drying.tech

Scan for current specifications and prices, or to request a quotation.