EXEAT · COMMERCIAL

LIO 280

Up to 24 kg per batch on 8 stainless-steel trays, 2.8 m² of shelf area. CE-certified, European-made. The entry version of the LIO 280, for validating products and producing smaller volumes. Oil-sealed vacuum pump as standard, oil-free scroll pump optional.



BATCH CAPACITY	AVG. ENERGY USE	SHELF AREA
24 kg	3.59 kWh / h	2.8 m²

APPLICATIONS Freeze-Dryers for Fruit and Vegetables · Freeze-Drying for Nutraceuticals & Supplements · Freeze Dryers for Candy and Confectionery · Freeze-Drying for Ready Meals & Snacks

CE marked · Built in EU

Why choose the LIO 280

- **For established production**: the largest LIO, for producers running regular commercial batches.
- **Three versions, two pumps**: Base, L or Pro, each with an oil-sealed or oil-free scroll vacuum pump. Choose capacity and maintenance level to fit the budget.
- **Up to 24 kg fresh load**: 8 trays, 2.8 m² of shelf area.
- **Controlled drying**: shelf-temperature control and deep vacuum give the same texture and rehydration batch after batch. AISI 304 stainless steel, 12-month warranty, heavy-duty wheels as standard.

CAPACITY & OUTPUT

Batch capacity (fresh load)	**24 kg**
Ice condenser capacity	**48 kg**
Total shelf area	**2.8 m²**
Shelves	**8**
Trays	**8**
Shelf spacing	**58 mm**
Tray size	**39 × 91 cm**

PROCESS & CYCLE

Shelf temperature range	**-35 to +60 °C (recipe)**
Min. condenser temperature	**-43 °C**
Defrosting	**Manual (heated)**
Defrost time	**3 h**

VACUUM & REFRIGERATION

Vacuum pump	**Oil-sealed (oil-free scroll option)**
Refrigeration	**Air-cooled**
Refrigerant	**R290 (natural refrigerant, GWP 3)**

CONTROL & MONITORING

Control system	**PLC touchscreen**
Menu language	**English**
Data logging & recipes	**USB CSV export + recipes**
Remote monitoring	**No**

BUILD

Chamber / shelf material	**AISI 304 stainless steel**
Mobility	**Heavy-duty wheels (standard)**

POWER & FOOTPRINT

Power supply	**400 V / 3~ / 50 Hz**
Connected load	**4.24 kW**
Energy consumption (avg)	**3.59 kWh/h**
External dimensions (W×D×H)	**850 × 1050 × 1275 mm**
Net weight	**340 kg**

WARRANTY & SERVICE

Warranty	**12 months**

Recommended accessories

Tray for LIO 280 (39×91 cm)	Fits: LIO 280 series
AMARU Mineral oil for vacuum pump 10 L	Fits: all models
AMARU Mineral oil for vacuum pump 20 L	Fits: all models
AMARU Viktor – Ozone decontaminator	Fits: all models
Leosmak High-Performance Vacuum Pump Oil	Fits: all Leosmak models

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

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

Specifications are provided by the manufacturer and are subject to change without notice. Figures are for planning purposes; confirmed values are provided per quotation. Metric units.