LYOTRADE · COMPACT

AMARU 5

Up to 10 kg per batch on 5 trays, 0.8 m² of tray area, in a 1.5 m² footprint. Fully automatic drying cycle with a new Pfeiffer vacuum pump, automatic defrost in about 25 minutes and an average draw of 1.13 kWh per hour.



BATCH CAPACITY	AVG. ENERGY USE	SHELF AREA
10 kg	1.13 kWh / h	0.8 m²

APPLICATIONS: Freeze-Dryers for Fruit and Vegetables · Freeze-Dryers for Pet Food Production · Freeze-Drying for Nutraceuticals & Supplements

CE marked · Built in EU

Why choose the AMARU 5

- **For producers short on floor space**: food, nutraceutical and pet-food producers who need capacity without the floor area.
- **Automatic cycle, new Pfeiffer pump**: the machine runs its own drying algorithm: load it, start it and leave it. A second unit can be stacked later (AMARU 5 Double) on the same footprint.
- **Up to 10 kg per batch**: 5 trays, 0.8 m² of tray area, 1.5 m² footprint.
- **Running cost and options**: about 27 kWh per 24 h, defrost in under 30 minutes, ISO-valve protection and a menu in five languages, the only machines in our range with one. Options: Deheater and the Viktor ozone decontaminator.

CAPACITY & OUTPUT

Batch capacity (fresh load)	**10 kg**
Ice condenser capacity	**15 kg**
Total shelf area	**0.8 m²**
Shelves	**5**
Trays	**5**
Shelf spacing	**50 mm**
Tray size	**33 × 49 × 2 cm**

PROCESS & CYCLE

Shelf temperature range	**Automatic cycle (no shelf setpoint) °C**
Min. condenser temperature	**-40 °C**
Defrosting	**Automatic (≈25 min)**
Defrost time	**25 min**

VACUUM & REFRIGERATION

Vacuum pump type	**Oil-sealed rotary vane (new Pfeiffer)**
Refrigeration type	**Air-cooled**

CONTROL & MONITORING

Control system	**4.3" touchscreen**
Menu language	**En, es, pt, de, cz (more languages on request)**
Data logging & recipes	**36 recipe slots; no data logging**
Remote monitoring	**No**

BUILD

Chamber material	**AISI 304 stainless steel**
Shelf material	**Stainless steel**
Body color options	**Ruby Red (powder-coated)**

POWER & FOOTPRINT

Power supply	**230 V / 1~ / 50 Hz**
Connected load	**3 kW**
Energy consumption (avg)	**1.13 kWh/h**
External dimensions (W × D × H)	**1220 × 795 × 840 mm**
Net weight	**approx. 175 kg**

WARRANTY & SERVICE

Warranty	**12 months (extendable by a further 12 months)**

Recommended accessories

AMARU Deheater	Fits: AMARU 5, AMARU 7, AMARU 5 Double and AMARU 7 Double
AMARU High Base Stand	Fits: all AMARU models
AMARU Low Base Stand	Fits: all AMARU models
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.

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.