

ULUF 450

THE ULUF -86°C SERIES IS PRODUCED WITH THE TRUE AND ORIGINAL SINGLE COMPRESSOR TECHNOLOGY AND OFFERS THE GREATEST TEMPERATURE STABILITY WORLDWIDE!



ADVANTAGES OF THE ULUF SERIES

- Highly reliable, top performance freezer
- *DIRECT COOLING FOR HIGHER TEMPERATURE UNIFORMITY (+/-2°C)
- *EXCELLENT TEMPERATURE STABILITY (+/-2°C)
- Fast pull down time signifies an efficient refrigeration system
- Fast recovery time ensures integrity of stored samples
- Long hold-over time in case of power cut
- Filterless construction - makes cleaning unnecessary
- Energy-efficiency – low energy consumption resulting in lower operating cost in the long run
- Environment-friendly – use of agents and technologies that aren't harmful to the environment (100% HCFC / CFC free)
- Quality components – for a robust and long-lasting freezer
- Low noise operation – for a safe and pleasant working environment inside the lab
- Low heat dissipation – you save on your air conditioning due to lower heat dissipation
- Insulated inner doors – to prevent cold air leakage
- Ergonomically correct height of cabinets
- Heated door frame / heated vacuum valve - for easy door opening
- Magnetic door gasket - for tight closure to prevent cold lose
- Easy to service – easily accessible and replaceable components for convenient field servicing & maintenance

*at setpoint -86°C

CONTROLLER FEATURES

- Micro processor controller with digital display
- Approx. 72 hours battery back up for alarms, loggings and temperature display in case of power cut
- Prepared for GSM alarm
- Prepared for connection of 2 additional probes
- Auto cycle in case of probe failure
- Ambient temperature display
- Direct download of logged data on USB memory stick
- Direct upload of new software via USB memory stick
- 3-level password protected
- Battery level indication
- Display text available in different languages
- Temperature graph

ALARM FEATURES

- Visual and acoustic alarm
- Adjustable high/low temp. alarm
- Power failure alarm
- Probe failure alarm
- Instrument failure alarm
- Open door alarm
- Contact for remote alarm
- Shows all alarms

DATA LOGGING FEATURES

- Integrated data logger
- RS485/RS232 interface
- Integrated memory for 20 years

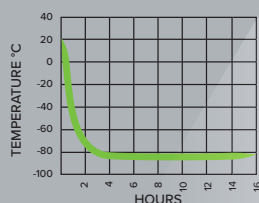
MODEL	ULUF 450
Item Code	DAI 1408
Dimensions exterior WxDxH (mm)	720x885x2089
Capacity (L)	413
Temperature range (°C)	-86/-40
Power supply (V)	230
Frequency (Hz)	50/60

We reserve the right to change specifications without notice.
Subject to confirmation, availability and errors.



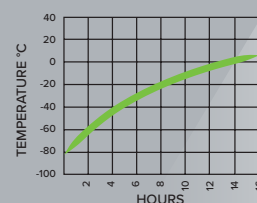
PERFORMANCE

PULL DOWN / HOLD OVER TIME



PERFORMANCE

PULL DOWN / HOLD OVER TIME



TECHNICAL SPECIFICATIONS

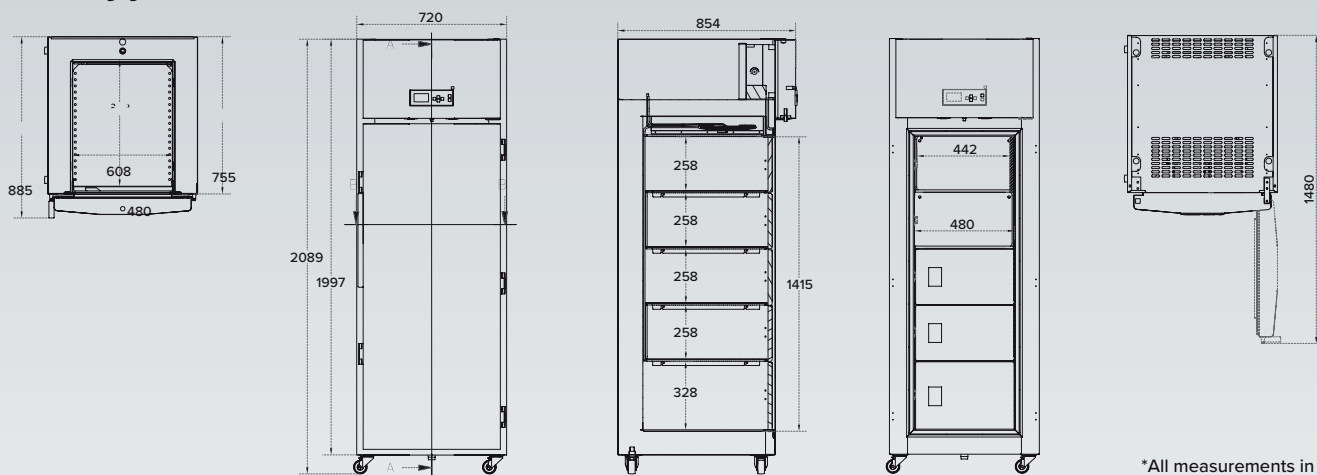
Insulation (mm)	120
Insulation type	Polyurethane foam
Max. ambient temperature at -86°C	25
Power consumption (kWh/24h)	12
Current (A)	4,2 amp
No. of compressors	1
Max. shelf load (kg)	25
Power (Watt)	800
Castors / with brake in front	Yes
Insulated inner doors	5
Lighting	Yes
Lock	Yes
Inner liner material	Stainless steel
Cabinet material	Varnished steel
Colour (exterior)	White
Refrigerant	EP88
Weight (kg)	193
Shipping weight with wooden packaging (kg)	250
Shipping dimensions with wooden packaging WxDxH (mm)	840x1040x2310

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All measurements in mm

ACCESSORIES

- CO² Backup
- GSM Alarm Module
- Chart Recorder
- SVS Voltage stabilizers
- Cryo gloves
- Water cooled
- Racks and Boxes

MAIN DIMENSION FOR ULUF 450



*All measurements in mm

Arctiko A/S

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