Ultra low freezer

ULN 100

-40...-86°C



Standard equipment:

- RAL 7012 / RAL 7035 coated exterior
- Inside made of AISI 304 acid resistant steel
- 120 mm insulation
- Cascade cooling system
- Environmentally friendly refrigerant
- Solid door with double replaceable seal (additional seal attached to body)
- Right door handle
- Electronic temperature control with a 7-inch touchscreen on the door, with a built-in recording system for the unit's temperature and operating parameters
- Ability to change the temperature setting every 0.1k
- Side handle with integrated lock
- Visual and sound alarm for high and low temperature
- Open door alarm
- Dirty condenser coil alarm
- Faulty temperature sensor alarm
- Compressor failure alarm
- Power failure alarm
- Backup battery alarm
- External alarm output potential-free contact
- Shelf guides / horizontal supports
- 1 shelf of perforated sheet steel
- Adjustable shelf position
- 2 access ports Ø10mm
- 2 adjustable legs and 2 castors
- Automatic decompression valve
- Easy access to condenser cleaning

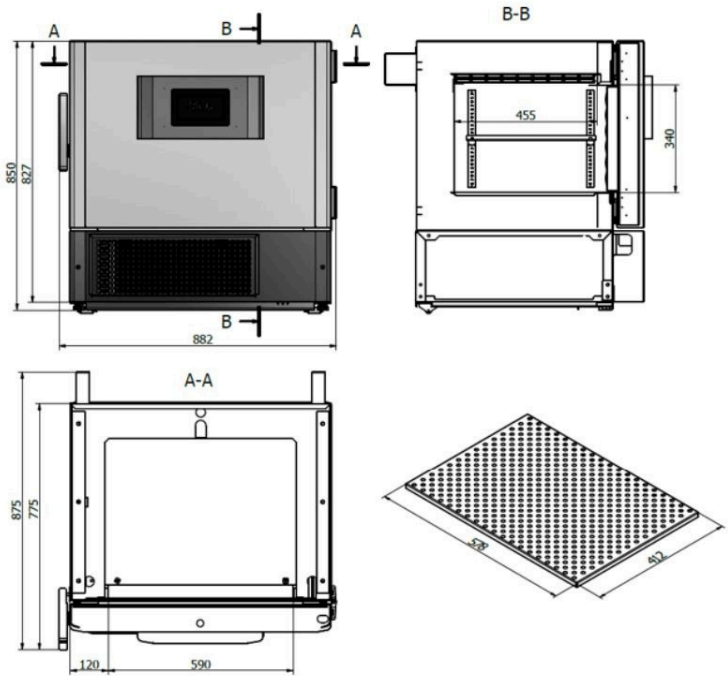
Optional equipment:

- Temperature sensor
- 4 swivel casters, 2 of which have brakes
- Additional shelf guides / horizontal supports
- Additional (perforated) shelves
- Left door handle
- Condenser filter
- Manual decompression valve

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Laboratory Technology

ULN 100

- Environmentally friendly refrigerant
- 2 access ports Ø10mm
- Electronic temperature control
- Alarm backup battery
- 2 adjustable feet and 2 castors
- Automatic decompression valve



Technical specifications:

	Width	Depth	Height
External dimensions [mm]	882	875 (775)	850
Internal dimensions [mm]	590	455	340
Cooling unit type	Internal		
Cooling type	Static		
Gross capacity	90 [liters]		
Net capacity	65 [liters]		
Weight	130 [kg]		
Max. load	50 [kg]		
Number of shelves	1		
Number of guides / horizontal supports	4		
Mogelijk aantal rekken	8		
Mogelijk aantal 50mm / 2"containers	72		
Max. shelf load	25 [kg]		
Temperature range	-40... -86 [°C]		
Ambient conditions	+25 [°C] op 60% HR		
Refrigerant	R290 / R1150		
Power	230/50 [V/Hz]		
Number of external doors	1		
Number of internal doors	-		
Daily energy consumption	13.8 [kWh/24h]		
Noise level	53 [db]		
Power rating	1100 [W]		
Rated current	4.7 [A]		
Time required to reach -80°C temperature	3 – 4 hours		

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