

-86°C Upright freezer ULT U100



- Optimal footprint, easily installable & movable
- Low cost of ownership
- Limited maintenance and on-site service
- Eco-friendly, HCFC-free Nature R refrigerant
- Efficient cyclopentane insulation
- ISO 9001, 14001 & 18001 OHSAS Certified

Specifications	
Technical	
Gross volume	93 litres
Net volume	91 litres
Temp. range	-60°C to -86°C
Temp. probes	1/PT 1000
Compressor	Embraco
Refrigerant	Nature R
Noise level	57 dB
Power consumption 24/h	6,2 kWh
Power consumption	2.263 kWh / year
Voltage	230 V
Frequency	50 Hz
Features	
Audible & visual alarm	YES
Castors	NO
Inner doors	NO
Defrost	Manual
Integrated lock	YES
Battery Backup	48h
USB	YES
Data connection	MODBUS
Digital controller	XW737K
Data logging	35.000 Entries
High/Low temperature alarm	YES
Adjustable shelves, stainless steel	2
Door vacuum release	Automatic
Porthole for external probe & CO2 backup	Ø12 mm
Prepared for external logging equipment	YES
Contact for remote alarm	YES
Material	
Inner	Stainless steel
Outer	Galvanized pre-coated steel
Dimensions	
Height	830 mm
Width	595 mm
Depth (incl. condenser)	630 mm
Depth (incl. condenser & handle)	690 mm
Net weight	60 kg
Internal dimensions	
Height	625/395 mm
Width	430 mm
Depth	425/205 mm
Insulation	80 mm
Insulationtype	PUR
Internal humidity	<5 %

ULT U100	
Product no.	N123001

Storage capacity. Rack				
Box height	No. of boxes	No. of racks	Total no. of boxes	Product no.
50 mm	74	1	74	N321700
75 mm	45	1	45	N321800
100 mm	33	1	33	N331400

Storage capacity. Rack with boxes and dividers			
Box height	Divider	No. of samples	Product no.
50 mm	9x9	5994	N322700
50 mm	10x10	7400	N322710
75 mm	9x9	3645	N322800
75 mm	10x10	4500	N322810
100 mm	9x9	2673	N332400
100 mm	10x10	3300	N332410

-86°C Upright freezer ULT U250



- Low cost of ownership
- Limited maintenance and on-site service
- Optimal footprint
- DUAL cooling single stage compressor system
- Efficient cyclopentane insulation
- Maintains -60°C with only 1 compressor running
- Eco-friendly, HCFC-free Nature R refrigerant
- ISO 9001, 14001 & 18001 OHSAS Certified

Specifications	
Technical	
Gross volume	253 litres
Net volume	221 litres
Temp. range	-60°C to -86°C
Temp. probes	1/PT 1000
Compressor	Secop DUAL
Refrigerant	Nature R
Noise level	64 dB
Power consumption 24/h	12,8 kWh
Power consumption	4.672 kWh / year
Voltage	230V
Frequency	50 Hz
Features	
Audible & visual alarm	YES
Castors with brakes	4
Inner doors	2
Defrost	Manual
Integrated lock	YES
Battery Backup	48h
USB	YES
Data connection	MODBUS
Digital controller with display	XW737K
Data logging	35.000 Entries
High/Low temperature alarm	YES
Adjustable shelves, stainless steel	5
Door vacuum release	Automatic
Porthole for external probe & CO2 backup	Ø12 mm
Prepared for external logging equipment	YES
Contact for remote alarm	YES
Material	
Inner	Stainless steel
Outer	Galvanized pre-coated steel
Dimensions	
Height (with castors)	2.055 mm
Width	600 mm
Depth (incl. condenser)	630 mm
Depth (incl. condenser & handle)	690 mm
Net weight	122 kg
Internal dimensions	
Height	1.420 mm
Width	435 mm
Depth	370 mm
Insulation	80 mm
Insulation type	PUR
Internal humidity	<5 %

ULT U250

Product no. N123002

Storage capacity				
Box height	No. of boxes	No. of racks	Total no. of boxes	Product no.
50 mm	4 x 2 = 8	3	24	N321200
	5 x 2 = 10	12	120	N321210
			= 144	
75 mm	2 x 2 = 4	3	12	N321300
	3 x 2 = 6	12	72	N321310
			= 84	
100 mm	2 x 2 = 4	15	60	N321400

-86°C Chest Freezers



Model	ULT C75	ULT C200	ULT C300	ULT C400
Technical				
Net volume	71 litres	189 litres	284 litres	368 litres
Temp. range	-60°C to -86°C	-60°C to -86°C	-60°C to -86°C	-60°C to -86°C
Temp. probe	1/PT 1000	1/PT 1000	1/PT 1000	1/PT 1000
Refrigerant	Nature R	Nature R	Nature R	Nature R
Inner lids	1	3	3	4
Power consumption 24/h	5,1 kWh	5,3 kWh	8,1 kWh	9,1 kWh
Voltage	230V	230V	230V	230V
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Compressor type	Single stage	Single stage	Single stage	Single stage
Features				
Audible and visual alarm	Yes	Yes	Yes	Yes
High/low alarm	Yes	Yes	Yes	Yes
Battery backup	48h	48h	48h	48h
Castors	4	4	4	4
Digital controller	XR30CX	XR30CX	XR30CX	XR30CX
Integrated lock	Yes	Yes	Yes	Yes
Porthole for external probe & CO2 backup	Ø12 mm	Ø12 mm	Ø12 mm	Ø12 mm
Outer dimensions				
Height	930 mm	890 mm	890 mm	890 mm
Width	555 mm	920 mm	1265 mm	1560 mm
Depth (incl. condenser)	580 mm	630 mm	630 mm	630 mm
Net weight	45 kg	65 kg	71 kg	80 kg
Product no.	N113001	N113002	N113003	N113004

Storage capacity	ULT C75	ULT C200	ULT C300	ULT C400
Box height	Total no. of boxes	Total no. of boxes	Total no. of boxes	Total no. of boxes
50 mm	40	117	216	282
75 mm	25	84	156	204
100 mm	20	54	99	129

- Personal freezer for easy access and daily use in laboratories, hospitals or anywhere scientific research and storage of sensitive samples is required – e.g. viruses, bacteria, cell preparations and tissue samples.
- Low power consumption, supreme stability, reliability, and long-term durability.
- Easy installation – the freezer has a small outer dimension and can go through all standard doors. This combined with low weight makes it very easy to install and move around.
- No maintenance is required besides defrosting and vacuum cleaning the compressor compartment.
- Service and repair – no regular service is required. In case of a failure, repair can be performed on-site by any trained freezer service engineer.