



Product Type	ULT (230V)
Color code handle / Color code housing	RAL 9003 / RAL 9003
MEASURES	
Interior volume [L]	477
Net weight of the unit (empty) [kg]	247
Permitted load [kg]	200
Permitted load of individual compatment (kg)	50
Wall clearance back [mm]	100
Wall clearance sidewise [mm]	250
Mobility	4 wheels, 2 w. lock
INTERNAL DIMENSIONS	
Interior width [mm]	606
Interior height [mm]	1300
Interior depth [mm]	608
DOORS	
Inner doors	2
Unit doors	
HOUSING DIMENSIONS NOT INCL. FITTINGS AND CONN	FCTIONS
Width net [mm]	826
Height net [mm]	1966
Depth net [mm]	938
PERFORMANCE DATA TEMPERATURE	
Temperature range [°C] Temperature variation at -80 °C [±K]	-9040
Temperature fluctuation at -80 °C [±K]	2.5
Cooling down time (min) from 22 °C to -80 °C	1,5
Warm-up time during power failure from -80 °C /-122 °F to -60 °C /-76 °F [min]	360
	230
ELECTRICAL DATA	
Rated Voltage [V]	230
Power frequency [Hz]	50
Nominal power [kW] Unit fuse [A]	1,6
Unit fuse [A] Power plug standard	
	2m C13 CEE 7/7
Phase (Nominal voltage)	]~

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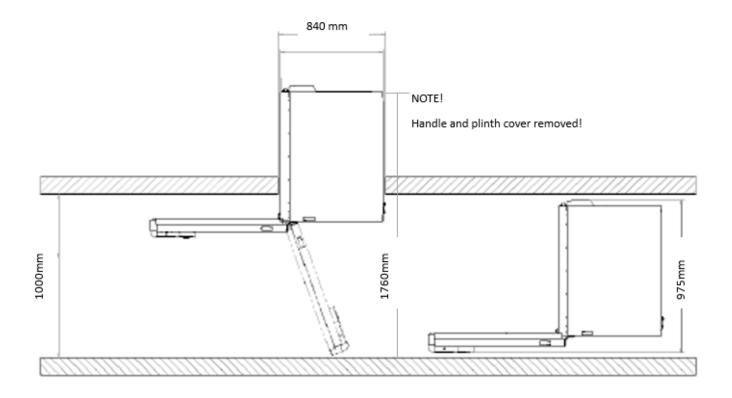
iound-pressure level [dB(A)]         .OAD-VARIANTS         ireezer racks per compartment         ryoboxes, 50 mm         FEATURES         Warm system, batterybacked         istandi         istano		
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Interseer racks per compartment	Ind-pressure level [dB(A)]	4
Interseer racks per compartment		
Cryoboxes, 50 mm       ::::::::::::::::::::::::::::::::::::	AD-VARIANTS	
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Name system, batterybacked       standation         ioam filled conpartmen door       standation         stattery back- up system (CO2)       standation         shipping pallet (extra specified pallet)       option(no additional article number only on requered on the standation	roboxes, 50 mm	35:
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shipping pallet (extra specified pallet)       option(no additional article number only on requered on the respective on the respecting the respective on the respective on the respective	ım filled conpartmen door	standard
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FIXTURES         Shelves included/max. no. of shelves         ACCESSORIES         Sm power cable         C 13 BS 1363 British plug - 5023-02         C 13 CEE 7/7 European plug - 5023-02         C 13 CEE 7/7 European plug - 5023-02         C 13 CEE 7/7 European plug - 5023-02         C 13 type 13 Swiss plug - 5023-02         Sthelf - For temperature range - 40 °C to - 60 °C, 3 provided in set, ncluding shelf supports         Shelf, Incl. shelf supports, stainless steel         WLAN kit, wireless connection between ULT units and APT-COM4, INS or customer solution.         STANDARDS & APPROVALS	pping pallet (extra specified pallet)	option(no additional article numbers
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Sm power cable       C 13 BS 1363 British plug - 5023-02         C 13 CEE 7/7 European plug - 5023-02         C 13 CEE 7/7 European plug - 5023-02         C 13 type 13 Swiss plug - 5023-02         Delcing kit consisting of de-icing tray, wiper and scraper         Srid shelf - For temperature range -40 °C to -60 °C, 3 provided in set, ncluding shelf supports         Shelf, Incl. shelf supports, stainless steel         VLAN kit, wireless connection between ULT units and APT-COM4, IMS or customer solution.	lves included/max. no. of shelves	3/1:
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Sim power cable       C 13 CEE 7/7 European plug - 5023-02         C 13 CEE 7/7 European plug - 5023-02       C 13 type 13 Swiss plug - 5023-02         Delecing kit consisting of de-icing tray, wiper and scraper       8012-18         Srid shelf - For temperature range - 40 °C to - 60 °C, 3 provided in set, ncluding shelf supports       8012-18         Schelf, Incl. shelf supports, stainless steel       8012-18         WLAN kit, wireless connection between ULT units and APT-COM4, IMS or customer solution.       8012-22	CCESSORIES	
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Delicing kit consisting of de-icing tray, wiper and scraper       8012-19         Brid shelf - For temperature range -40 °C to -60 °C, 3 provided in set, ncluding shelf supports       8012-19         Schelf, Incl. shelf supports, stainless steel       8012-19         VLAN kit, wireless connection between ULT units and APT-COM4, IMS or customer solution.       8012-22	5m power cable	C 13 CEE 7/7 European plug – 5023-028
Srid shelf - For temperature range - 40 °C to - 60 °C, 3 provided in set,       8012-13         Including shelf supports       8012-13         Shelf, Incl. shelf supports, stainless steel       8012-13         WLAN kit, wireless connection between ULT units and APT-COM4,       8012-23         IMS or customer solution.       8012-23		C 13 type 13 Swiss plug – 5023-0284
Including shelf supports     8012-1       Shelf, Incl. shelf supports, stainless steel     8012-1       VLAN kit, wireless connection between ULT units and APT-COM4,     8012-2       IMS or customer solution.     8012-2	cing kit consisting of de-icing tray, wiper and scraper	8012-1900
Shelf, Incl. shelf supports, stainless steel       8012-1         WLAN kit, wireless connection between ULT units and APT-COM4,       8012-2         IMS or customer solution.       8012-2		8012-1903
IMS or customer solution.	e steel stee	8012-190
STANDARDS & APPROVALS		8012-226
	S or customer solution.	0012 220
normy Star contified (2rd part)	ANDARDS & APPROVALS	
	ergy Star certified (3rd part)	ye
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Applied voluntarily: EN61010-1, EN61010-2-11 if wished, this could also be listed in the CE DoC)	plied voluntarily: EN61010-1, EN61010-2-11 vished, this could also be listed in the CE DoC)	
		ye
RoHS Directive (EN IEC 63000:2018)	IS Directive (EN IEC 63000:2018)	
	npliant with DIN 13277	Only partly. ULTs are validated referring to DIN DIN 12880; 2007-09
Din 12880, 2007		
ABORATORY TEST MEASUREMENTS	BORATORY TEST MEASUREMENTS	
		360 mir
		47dB/
		250 mir
	1	2,51
•	nperature variation	2,0
inergy consumption 7,9 kW/2	•	1,5

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SELLING POINTS	
Lowest energy consumption in its class	7,9
Environmentally-friendly refrigerants	R290/R170
Thermal insulation with unique long-life VIPs	vacuum insulation panels
Rust proof interior	Stainless steel 1.4016 grade
Individual safety concept	option
Temperature range [°C]	-90 °C to -40 °C
Compressor cooling	cascade
Innovative door gasket	reduce ice built-up
Detachable inner doors	stainless steel
Zero-voltage alarm contact	in-house alarm system
Internal data logger	USB read out
Ethernet interface	yes
Access ports	2x Ø28mm rear
Shipping pallet	without forklift
Packaging	Recyclable
Powder-coating	Solvent free



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