



ULT-51i

ULT TECHNICAL SPECIFICATIONS

Multi voltage.



-20°C

-86°C



DIMENSIONS		VALUE
Dimension HxWxD (D incl. handle)		836x699x720 (790)
Dimension inner HxWxD		310x360x445
Weight Gross/Net, kg		108 / 82
Package weight		26
Packaging dimensions HxWxD		1011x739x824
Material inner cabinet		Stainless steel
Material outer cabinet		Painted Steel
Insulation type		Polyurethane with Cyclopentane
Insulation thickness		120
Type of packaging		Cardboard, EPS, PE, wood
Mobility		2 x adjustable feet, 2 x castors
FEATURES		VALUE
Lock		<input checked="" type="checkbox"/>
LED light		<input type="checkbox"/>
Battery backup		<input checked="" type="checkbox"/>
Porthole		<input checked="" type="checkbox"/>
Porthole size		20 mm
Dry contact		<input checked="" type="checkbox"/>
Door reversibility		<input type="checkbox"/>
Vacuum valve		<input checked="" type="checkbox"/>
VIP (Vacuum Insulated Panel)		<input checked="" type="checkbox"/>
STORAGE		VALUE
Capacity (L)		50
ALARMS		VALUE
High / Low temperature		<input checked="" type="checkbox"/>
Open door		<input checked="" type="checkbox"/>
Power failure		<input checked="" type="checkbox"/>
Probe failure		<input checked="" type="checkbox"/>
COOLING		VALUE
Refrigerant		Nature R
Noise		< 48
Voltage		230V
Frequenze		50/60 Hz
Temperature range		-20 / -86
Ambient condition		25 °C



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BIOMEDICAL

OPERATING CONDITIONS		
Voltage/Frequency	Voltage/Hz	230V, 50/60Hz
Max Ambient	°C	43
Max Humidity	% rh	65
PERFORMANCE	UNIT	VALUE
All data in RT25°C		
Temperature Range	°C	-20 to -86
Uniformity in performance - difference between top and bottom	°C	+/- 2,5
Pull down time	Minutes	90 min. to -75°C
Hold over time	Minutes	N/A
Noise	dB	< 48
Energy Consumption, kWh / 24h	kWh/24h	4,34 kWh/24h Set -80
Energy year	kWh/year	1584kWh/y set -80°C
Instant Power Consumption	kW	PD 0,600/Stable 0,280
Heat Rejection	W	N/A
U-Value	W/m ² K	N/A
COOLING COMPONENTS		VALUE
Refrigerant/Amount (gram)		Nature R 2/99gr
Number of compressors	pcs	1
Varibel speed compressor	Yes/No	Yes
Internal air distribution (type of)		Static
Evaporator Fan	Yes/No/Variable	No
Condenser Fan	Yes/No/Variable	Yes
Number of probes	pcs	2
Defrost	Yes/No	No
CONTROLLER		VALUE
Controller	y/n/optional	yes
Controller type		i-Care touch
USB Connection	y/n	yes
Data connection	USB	yes
Controller abilities		logging of data & alarms
Controller languages		EN, DE, FR
Temperature curve in controller	y/n	yes



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