



ULTF-51i

ULT TECHNICAL SPECIFICATIONS

Multi voltage.



DIMENSIONS

Outer Dimensions HxWxD, mm	836x699x720
Depth incl. door handle	790
Inner Dimensions HxWxD, mm	310x360x445
Weight Gross/Net, kg	108 / 82
Material inner cabinet	Stainless steel
Material outer cabinet	Painted Steel
Packaging weight, kg	26
Packaging dimensions HxWxD, mm	1050x750x850
Insulation thickness	120
Insulation type	Polyurethane with Cyclopentane
Mobility	2 x adjustable feet, 2 x castors
Refrigerant, Type / gram	Nature R 2/99gr

FEATURES

Lock	<input checked="" type="checkbox"/>
LED light	<input type="checkbox"/>
Battery Backup for Controller, 24h	<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

Capacity (L)	50
--------------	----

ALARMS

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

Refrigerant	Nature R
Noise	< 48
Voltage	100-240 V
Frequency	50/60 Hz
Temperature range	-20 / -86
Ambient condition	25 °C



ULTF-51i

ULT TECHNICAL SPECIFICATIONS

Multi voltage.

BIOMEDICAL

Voltage/Frequency		
Voltage/Hz		100-240 V, 50/60Hz
Max Ambient		
°C		32
Max Humidity		
% rh		65
PERFORMANCE		
All data in RT20°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		200
U-Value		
W/m ² K		N/A
COOLING COMPONENTS		
Refrigerant/Amount (gram)		
		Nature R 2/99gr
Number of compressors		
pcs		1
Variable 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		
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

* Heat Rejection is defined as average power based on energy consumption, rounded up to nearest 50W.