

Product data

ULT Freezers



Data



Construction		ULTF-37i
Outer Dimensions, HxWxD		631x630x675
Inner Dimensions, HxWxD		433x439x271
Weight Gross/Net, kg		70 / 59
Material Inner Cabinet		Stainless Steel
Material Outer Cabinet		Painted Steel
Insulation Thickness, mm		80
Insulation Type		Polyurethane with Cyclopentane
Air Distribution		N/A
Mobility		Standard: Adjustable Feet Option: Castors
Refrigerant, Type / gram		Nature R2 / 96
Variable Speed Compressor		Yes - Adaptive Cooling Technology
Internal Air Distribution		Static
Number of Probes		2
Storage		
Volume, Gross/net, L		37 / 37
Shelf		1 / 1
Cryobox "2 capacity		33
2 ml vials capacity		3.300
Inner lids		No
Performance & Operation		
Temperature Range, C°		-20 to -86
Voltage, V		110 / 220
Frequency, Hz		50 / 60
Max Ambient, °C		43
Max Humidity, °C		65
Noise, dB		46
Energy Consumption, kWh / 24h		3,2
Instant Power Consumption		PD 0,550 / Stable 0,030
Heat Rejection		306
K-Value		0,19
Defrost		Manual



Construction		ULTF-C74i	ULTF-C198i	ULTF-C296i	ULTF-C383i
Outer Dimensions, HxWxD		921x550x550	831x920x608	831x1260x608	831x1560x608
Inner Dimensions, HxWxD		450x390x390	624x760x440	624x1100x440	624x1400x440
Weight Gross/Net, kg		73 / 50	80 / 63	100 / 78	112 / 86
Material Inner Cabinet		Painted Steel	Painted Steel	Painted Steel	Painted Steel
Material Outer Cabinet		Painted Steel	Painted Steel	Painted Steel	Painted Steel
Insulation Thickness, mm		80	80	80	80
Insulation Type		Polyurethane with Cyclopentane	Polyurethane with Cyclopentane	Polyurethane with Cyclopentane	Polyurethane with Cyclopentane
Air Distribution		N/A	N/A	N/A	N/A
Mobility		Standard: 4xCasters with brakes	Standard: 4xCasters with brakes	Standard: 4xCasters with brakes	Standard: 4xCasters with brakes
Refrigerant, Type / gram		Nature R2 / 121	Nature R2 / 90	Nature R2 / 143	Nature R2 / 161
Variable Speed Compressor		No	No	No	No
Internal Air Distribution		Static	Static	Static	Static
Number of Probes		1	1	1	1
Storage					
Volume, Gross/net, L		74 / 71	198 / 189	296 / 284	383 / 368
Shelf		N/A	N/A	N/A	N/A
Cryobox "2 capacity		40	117	216	282
2 ml vials capacity		4.000	11.700	21.600	28.200
Inner lids		Yes	Yes	Yes	Yes
Performance & Operation					
Temperature Range, C°		-20 to -86	-20 to -86	-20 to -86	-20 to -86
Voltage, V		220	220	220	220
Frequency, Hz		50	50	50	50
Max Ambient, °C		30	25	25	25
Max Humidity, °C		65	65	65	65
Noise, dB		54	55	55	55
Energy Consumption, kWh / 24h		5,3	5,9	9,8	9,9
Instant Power Consumption		PD 0,540 / Stable 0,340	PD 0,370 / Stable 0,300	PD 0,710 / Stable 0,520	PD 0,810 / Stable 0,532
Heat Rejection		370	375	642	670
K-Value		0,19	0,2	0,2	0,2
Defrost		Manual	Manual	Manual	Manual

Shared Abilities

Features	
Lock	Yes
LED Light	Yes
Battery Backup for Controller, 48h	Yes
VIP (Vacuum Insulated Panel)	Yes
Perimeter Heater	Electric
Porthole	Yes - Ø 20mm
Dry Contact	Yes
Vacuum Valve	Yes
Door	Solid
Door Reversibility	No

Controller & Alarms	
Controller	i-Care, Touch screen
Controller language	EN, DE, FR
USB Connection	Yes
Logging	Data, Alarms & Events
Temperature Graph	Yes
High/Low Temp. Alarm	Yes
Open Door Alarm	Yes
Probe Failure Alarm	Yes
Power Failure Alarm	Yes

Features	
Lock	Yes
LED Light	No
Battery Backup for Controller, 48h	Yes
VIP (Vacuum Insulated Panel)	No
Perimeter Heater	No
Porthole	Yes - Ø 12,5mm
Dry Contact	Yes
Vacuum Valve	No
Door	Solid
Door Reversibility	N/A

Controller & Alarms	
Controller	i-Care, Touch screen
Controller language	EN, DE, FR
USB Connection	Yes
Logging	Data, Alarms & Events
Temperature Graph	Yes
High/Low Temp. Alarm	Yes
Open Door Alarm	No
Probe Failure Alarm	Yes
Power Failure Alarm	Yes