



Refrigerators +2°C to +20°C



ATEX



Construction	R-90i	R-138i	R-427i
Outer Dimensions, HxWxD	672x595x642	825x595x642	2002x595x642
Inner Dimensions, HxWxD	481x475x495	676x475x495	1827x475x495
Weight Gross/Net, kg	50 / 40	56 / 45	88 / 74
Material Inner Cabinet	ABS	ABS	ABS
Material Outer Cabinet	Painted Steel	Painted Steel	Painted Steel
Insulation Thickness, mm	50	50	50
Insulation Type	Polyurethane with Cyclopentane	Polyurethane with Cyclopentane	Polyurethane with Cyclopentane
Air Distribution	Dynamic	Dynamic	Dynamic
Mobility	Standard: Adjustable Feet Option: Castors	Standard: Adjustable Feet Option: Castors	Standard: Adjustable Feet Option: Castors
Refrigerant, Type / gram	R600a / 39	R600a / 47	R600a / 60
Variable Speed Compressor	Yes - Adaptive Cooling Technology	Yes - Adaptive Cooling Technology	Yes - Adaptive Cooling Technology
Number of Probes	4	4	4
Storage			
Volume, Gross/net, L	90 / 76	138 / 117	427 / 361
Shelves, Full/half	1 / 1	2 / 1	5 / 1
Shelf material	Perforated Alu	Perforated Alu	Perforated Alu
Max Loading pr. Shelf, kg	20	20	20
Performance & Operation			
Temperature Range, C°	+2 to +20	+2 to +20	+2 to +20
Voltage, V	220	220	220
Frequency, Hz	50 / 60	50 / 60	50 / 60
Max Ambient, °C	35	35	35
Max Humidity, °C	75	75	75
Noise, dB	46	44	40
Energy Consumption, kWh / 24h	0,2	0,3	0,4
Instant Power Consumption	PD 0,065 / Stable 0,025	PD 0,080 / Stable 0,025	PD 0,075 / Stable 0,025
Heat Rejection	40	46	61
K-Value	0,58	0,59	0,44
Defrost	Automatic	Automatic	Automatic

Shared Abilities

Features	
Lock	Yes
LED Light	Yes
Battery Backup for Controller, 48h	Yes
Safety Thermostat	Yes
Porthole	Yes - Ø 20mm
Dry Contact	Yes
Reference bottle	Yes
Door	Standard: Solid Option: Glass
Door Features	Automatic: Closure < 90° Hold > 90°
Door Reversibility	Yes

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



Freezers -5°C to -25°C



ATEX



Protection for storage
CEC II 3G nA IIB T6

Construction	F-90i	F-138i	F-427i
Outer Dimensions, HxWxD	672x595x642	825x595x642	2002x595x642
Inner Dimensions, HxWxD	481x475x495	676x475x495	1827x475x495
Weight Gross/Net, kg	54 / 43	60 / 49	99 / 88
Material Inner Cabinet	ABS	ABS	ABS
Material Outer Cabinet	Painted Steel	Painted Steel	Painted Steel
Insulation Thickness, mm	50	50	50
Insulation Type	Polyurethane with Cyclopentane	Polyurethane with Cyclopentane	Polyurethane with Cyclopentane
Air Distribution	Dynamic	Dynamic	Dynamic
Mobility	Standard: Adjustable Feet Option: Castors	Standard: Adjustable Feet Option: Castors	Standard: Adjustable Feet Option: Castors
Refrigerant, Type / gram	R600a / 38	R600a / 43	R290 / 80
Variable Speed Compressor	Yes - Adaptive Cooling Technology	Yes - Adaptive Cooling Technology	Yes - Adaptive Cooling Technology
Number of Probes	2	2	2
Storage			
Volume, Gross/net, L	90 / 76	138 / 117	427 / 335
Shelves, Full/half	1 / 1	2 / 1	5 / 1
Shelf material	Perforated Alu	Perforated Alu	Perforated Alu
Max Loading pr. Shelf, kg	20	20	20
Performance & Operation			
Temperature Range, C°	-5 to -25	-5 to -25	-5 to -25
Voltage, V	220	220	220
Frequency, Hz	50 / 60	50 / 60	50 / 60
Max Ambient, °C	35	35	30
Max Humidity, °C	65	65	65
Noise, dB	40	45	50
Energy Consumption, kWh / 24h	1,1	1,4	3,7
Instant Power Consumption	PD 0,120 / Stable 0,046	PD 0,120 / Stable 0,052	PD 0,220 / Stable 0,150
Heat Rejection	110	120	260
K-Value	0,59	0,59	0,44
Defrost	Automatic	Automatic	Automatic

Shared Abilities

Features	
Lock	Yes
LED Light	Yes
Battery Backup for Controller, 48h	Yes
No-Frost System™	Yes
Perimeter Heater	Hot gas
Porthole	Yes - Ø 20mm
Dry Contact	Yes
Reference bottle	No
Door	Standard: Solid
Door Features	Automatic: Closure < 90° Hold > 90°
Door Reversibility	Yes

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



ULT Freezers -20°C to -86°C



ATEX



Protection for storage
CC©II 3G nA IIB T6

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

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



Chest ULT -20°C to -86°C



ATEX



Protection for storage
CC©II 3G nA IIB T6

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	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