



Our upright design is a great choice when you need a storage solution for larger quantities.

DIMENSIONS	VALUE
Outer Dimensions HxWxD	2002x595x64:
Inner Dimensions HxWxD	1827x475x49
Weight Gross/Net, kg	99 / 8:
Material inner cabinet	AB
Material outer cabinet	Painted Stee
Insulation thickness	50
Insulation type	Polyurethane with Cyclopentane
Air distribution	Dynami
Mobility	Standard: Adjustable Feet - Option: Castor
Refrigerant, Type / gram	R290 / 8
Variable Speed Compressor	Yes - Adaptive Cooling Technolog
Number of probes	
CONTROLLER	VALUI
Controller	i-Care, Touch scree
Controller language	EN, DE, F
USB Connection	Ye
Logging	Data, Alarms & Event
Temperature graph	Ye
High/Low temp. Alarm	Ye
Open door alarm	Ye
Probe failure alarm	Ye
Power failure alarm	Ye
STORAGE	VALUI
Volume, Gross/Net, L	427 / 33
Shelves, Full/Half	5/
Shelf material	Perforated Al
FEATURES	VALUI
Lock	Ye
LED light	Ye
Battery Backup for Controller, 24h	Ye
No-Frost System™	Ye
Perimeter Heater	Hot ga
Porthole	Yes - Ø 20 mn
Dry Contact	Ye
Reference bottle	N
Door	Standard: Soli
Door Features	Automatic: Closure < 90° - Hold Closure > 90

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BIOMEDICAL

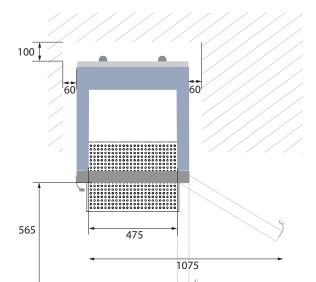
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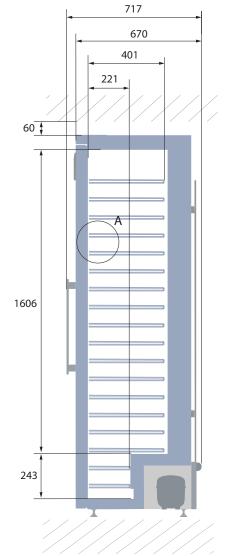
Voltage/Frequency	Voltage/Hz	230V/50-60
Max Ambient	°C	30
	-	
Max Humidity	% rh	6
PERFORMANCE	UNIT	VALU
All data in RT20°C		
emperature Range	°C	-5 to -
Iniformity in performance - difference between top and bottom	°C	+/- :
ull down time	Minutes	110 min to -20
old over time	Minutes	72 min to -10
loise	dB	
nergy Saving Mode	kWh/24h	3,181kWh/24h Set -
nergy Consumption, kWh / 24h	kWh/24h	3,773kWh/24h Set -
nergy year	kWh/year	1377kWh/y Set -:
nstant Power Consumption	kW	PD 0,220/Stable 0,
eat Rejection	W	1 2 0,220 0 0 0 0 0
I-Value	W/m^2 K	0
Refrigerant/Amount (gram) Number of compressors	pcs	R290/80
	pcs	
/aribel speed compressor	Yes/No	
nternal air distribution (type of)		Triple Air Stree
vaporator Fan	Yes/No/Variable	,
Condenser Fan	Yes/No/Variable	
Number of probes	pcs	
Defrost	Yes/No	Yes - automo
FEATURES		VALU
Safety thermostat	y/n/optional	
Lock	y/n	,
.ED light	y/n	\
Battery Back Up For Controller	y/n/optional	Yes - 2
Porthole	y/n - Ømm	Yes - Ø 20n
Dry contact	y/n	, ,
Castors	y/n/optional	Optio
Door	glass/solid	Sc
Reference Bottle	y/n/optional	
	y/n/optional	
Door closure	2.1	
Door reversibility	y/n	,
Automatic Hold 90°C	y/n	,
/acuum valve	y/n	\
/IP (Vacum panel)	y/n	

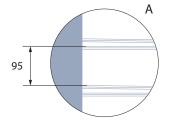


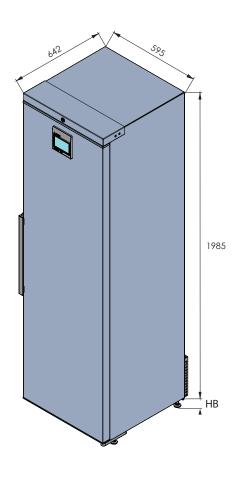
## F-427i BIOMEDICAL FREEZER

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All measurements in mm.

HB: Height of base (HB is adjustable when given value is xx-xx)





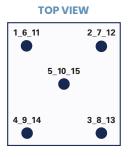


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## **SENSOR POSITION**

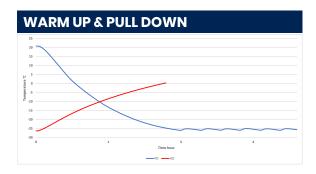
BIOMEDICAL

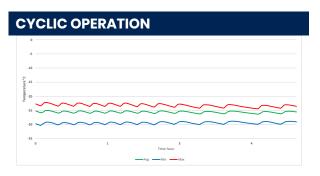
## 



MODEL	F-427I
Test type	15-point test
Test enviroment	Controlled conditions, empty cabinet
Ambient temperature	20°C
Humidity	60%
Set-point	-25°C
Sensor used	25gr tinned brass formed as a cylinder with a diameter of 15,2 mm
Installation	Appliance installed according to instruction manual conditions
Refrigerant	R600a

SENSO	R TEM	<b>IPERA</b>	TURE												
Sensor position	Pl	P2	Р3	P4	P5	P6	P7	Р8	Р9	P10	PII	P12	P13	P14	P15
Max	-22	-22,4	-22,9	-21,5	-22,6	-22,4	-23,5	-23,5	-22,4	-23,4	-22,6	-23,5	-23,6	-22,5	-23,5
Avg.	-22,9	-23,3	-24,1	-22,2	-23,2	-23,4	-24,3	-24,3	-23,5	-24,4	-23,6	-24,6	-24,7	-23,3	-24,6
Min.	-24	-24,6	-25,3	-23,1	-24	-24,6	-25,2	-25,3	-24,8	-25,5	-24,8	-25,9	-25,9	-24,4	-26





TYPICAL PERFORMANCE IN AMBIENT 20°C - EMPTY CABINET					
Avg. cabinet temperature	-25,6°C				
Uniformity	+/- 3,0°C				
Stability in avg.	0,6°C				
1 min. door open recovery to -20°C avg. temperature	15 min.				
Cycle rate on/off	19 / 3 min.				
Duty cycle	84%				
Energy consumption - Normal mode	3,7 kWh/day				
Energy consumption - Energy saving mode (-20)	3,1 kWh/day				
Pull down time to -20°C avg. temperature	110 min.				
Hold over time from -25°C to -10°C	72 min.				
Sample temperature does not exceed	-15°C				
Heat rejection	260				