

With the smallest footprint, this unit is perfect for storing biomedical content in a room with limited space. The unit can be place on a table for easy access in your work environment.







DIMENSIONS	VALU
Outer Dimension HxWxD	672x595x64
Inner Dimension HxWxD	481x475x49
Weight Gross/Net, kg	50 / 4
Material inner cabinet	AE
Material outer cabinet	Painted Ste
Insulation thickness	5
Insulation type	Polyurethane with Cyclopentan
Air distribution	Dynami
Mobility	Standard: Adjustable Feet - Option: Castor
Refrigerant, Type / gram	R600a/3
Variable Speed Compressor	Yes - Adaptive Cooling Technolog
Number of probes	1 0
CONTROLLER	VALU
Controller	i-Care, Touch scree
Controller language	EN, DE, F
USB Connection	Ye
Logging	Data, Alarms & Even
Temperature graph	Ye
High/Low temp. Alarm	Ye
Open door alarm	Ye
Probe failure alarm	Ye
Power failure alarm	Ye
STORAGE	VALU
Volume, Gross/Net, L	90 /7
Shelves, Full/Half	1/
Shelf material	Perforated Al
FEATURES	VALU
Lock	Ye
LED light	Ye
Battery Backup for Controller, 24h	Ye
Safety Thermostat	Ye
Porthole	Yes - Ø 20 mr
Dry Contact	Ye
Reference bottle	Ye
Door	Soli
Door Features	Automatic: Closure < 90° - Hold Closure > 90
Door Reversibility	Ye

1

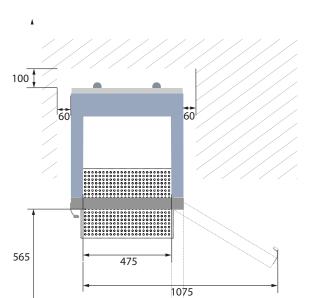


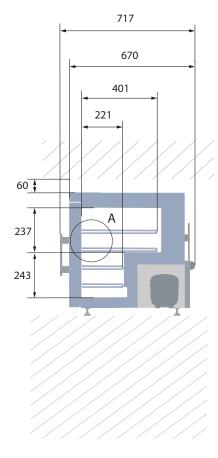
With the smallest footprint, this unit is perfect for storing biomedical content in a room with limited space. The unit can be place on a table for easy access in your work environment.

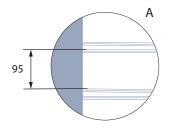
Voltage/Frequency	Voltage/Hz	230V/50-60H
Max Ambient	°C	35%
Max Humidity	% rh	75
PERFORMANCE	UNIT	VALUI
All data in RT20°C		
Temperature Range	°C	2 to 2
Uniformity in performance - difference between top and bottom	°C	+/- 0,
Pull down time	Minutes	28 min to 6°
Hold over time	Minutes	61 min to 10°
Noise	dB	4
Energy 24 hours	kWh/24h	0,290 kWh/24h set 5°
Energy year	kWh/year	105,9kWh/y set 5°
Instant Power Consumption	kW	PD 0,064/Stable 0,02
Heat Rejection	W	4
U-Value	W/m^2 K	0,5
COOLING COMPONENTS		VALUI
Refrigerant/Amount (gram)		
Number of compressors	200	R600a/39g
Varibel speed compressor	pcs Yes/No	
Internal air distribution (type of)	162/110	Ye
Evaporator Fan	Yes/No/Variable	Mono Air Strear Ye
Condenser Fan	Yes/No/Variable	
Number of probes	pes	N
Defrost	Yes/No	Yes - automati
5011000	103/110	res - dutomati
FEATURES		VALUI
Safety thermostat	y/n/optional	Ye
Lock	y/n	Ye
LED light	y/n	Ye
Battery Back Up For Controller	y/n/optional	Yes - 24
Porthole	y/n-Ømm	Yes - Ø 20mr
Dry contact	y/n	Yes 2201111
Castors	y/n/optional	Option
Door	glass/solid	Soli
Reference Bottle	y/n/optional	
Door closure	y/n/optional	Ye
Door reversibility	y/n	Ye
•		Ye
Automatic Hold 90°C	y/n	Ye
Vacum ventil + VIP (Vacum panel)	y/n	No

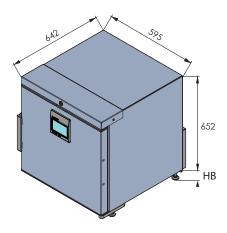


With the smallest footprint, this unit is perfect for storing biomedical content in a room with limited space. The unit can be place on a table for easy access in your work environment.





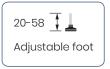




All measurements in mm.

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

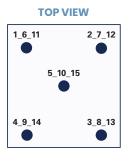






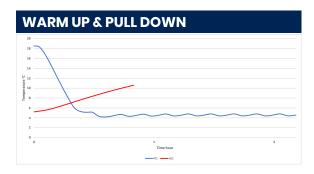
With the smallest footprint, this unit is perfect for storing biomedical content in a room with limited space. The unit can be place on a table for easy access in your work environment.

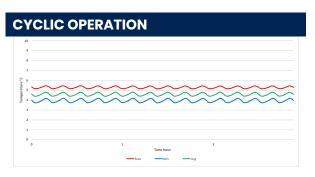
SENSOR POSITION



MODEL	R-90I
Test type	15-point test
Test enviroment	Controlled conditions, empty cabinet
Ambient temperature	20°C
Humidity	60%
Set-point	5°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

SENSOR TEMPERATURE															
Sensor position	Pl	P2	Р3	P4	P5	P6	P7	Р8	Р9	P10	PII	P12	P13	P14	P15
Max	5,7	5,5	5,1	5,6	5,5	4,2	4,7	4,5	5	4,6	5	5	5,1	5,6	4,7
Avg.	5,3	5,3	5,2	5,5	5,1	3,7	4,2	3,9	4,5	4,2	4,5	4,4	4,3	4,8	3,8
Min.	5,1	5,1	5,1	5,4	4,9	3,5	4	3,7	4,2	4	4,2	4,2	3,9	4,5	3,4





TYPICAL PERFORMANCE IN AMBIENT 20°C - EMPTY CABINET				
Avg. cabinet temperature	4,6℃			
Uniformity	+/- 0,6°C			
Stability in avg.	0,3°C			
1 min. door open recovery to 6°C avg. temperature	∢ min.			
Cycle rate on/off	5,5 / 10,2 min.			
Duty cycle	34,7%			
Energy consumption	0,29 kWh/day			
Pull down time to 6°C avg. temperature	28 min.			
Hold over time from 5°C to 10°C	61 min.			
Sample temperature does not exceed	8°C			
Heat rejection	40 W			