

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.





Outer Dimensions HxWxD, mm	672x595x64	
Inner Dimensions HxWxD, mm	481x475x49	
Weight Gross/Net, kg		
Material inner cabinet	52/4	
	A	
Material outer cabinet	Painted Ste	
Packaging weight, kg		
Packaging dimensions HxWxD, mm	840x710x6	
Insulation thickness		
Insulation type	Polyurethane with Cyclopentar	
Air distribution	Dynami	
Mobility	Standard: Adjustable Feet - Option: Casto	
Refrigerant, Type / gram	R600a / 3	
Variable Speed Compressor	Yes - Adaptive Cooling Technolog	
Number of probes		
CONTROLLER		
Controller	i-Care, Touch scree	
Controller language	EN, DE, f	
USB Connection	Ye	
Logging	Data, Alarms & Even	
Temperature graph	Ye	
High/Low temp. Alarm	Y	
Open door alarm	Ye	
Probe failure alarm	Ye	
Power failure alarm	Y	
STORAGE		
Volume, Gross/Net, L	90 / 7	
Shelves, Full/Half	9077	
Shelf material	Perforated A	
FEATURES		
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	Glas	
Door Features	Automatic: Closure < 90° - Hold Closure > 90°	

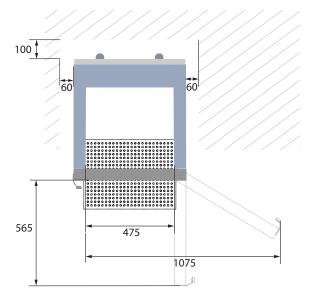


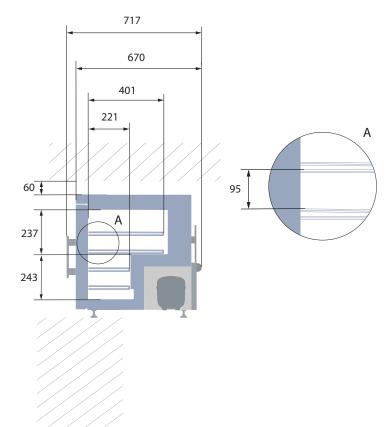
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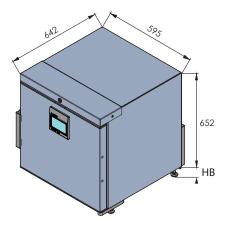
Voltage/Frequency	Voltage/Hz	230V/50-60H
Max Ambient	°C	35°0
Max Humidity	% rh	65
PERFORMANCE		
All data in RT20°C		
Temperature Range	°C	2 to 2
Uniformity in performance - difference between top and bottom	°C	+/- 1,
Pull down time	Minutes	40 min to 6%
Hold over time	Minutes	75 min to 10°
Noise	dB	4
Energy Consumption, kWh / 24h	kWh/24h	0,336 kWh/24h set 5%
Energy year	kWh/year	122,6kWh/y set 5°
Instant Power Consumption	kW	PD 0,068/Stable 0,02
Heat Rejection	W	5
U-Value	W/m^2 K	0,6
COOLING COMPONENTS		
Refrigerant/Amount (gram)		R600a/39ç
Number of compressors	pcs	
Variable speed compressor	Yes/No	Ye
Internal air distribution (type of)		Mono Air Strear
Evaporator Fan	Yes/No/Variable	Ye
Condenser Fan	Yes/No/Variable	٨
Number of probes	pcs	
Defrost	Yes/No	Yes - automat
FEATURES		
Safety thermostat	y/n/optional	Υe
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	Ye
Castors	y/n/optional	Option
Door	glass/solid	Glas
Reference bottle	y/n/optional	Ye
Door closure	y/n/optional	Ye
Door reversibility	y/n	Ye
Automatic Hold 90°C	y/n	Ye
Vacum ventil + VIP (Vacum panel)	y/n	N



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All measurements in mm.

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





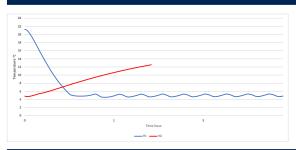


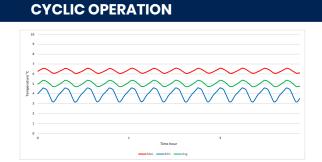


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### **SENSOR POSITION MODEL R-90I GLASS Test type** 15-point test **FRONT VIEW TOP VIEW Test environment** Controlled conditions, 2\_7\_12 empty cabinet 1\_6\_11 5 1 4 2 3 **Ambient temperature** 20°C **Humidity** 5\_10\_15 5°C 6 9 10 7 8 Set-point 25gr tinned brass formed as a Sensor used cylinder with a diameter of 15,2 4\_9\_14 3\_8\_13 15 11 14 12 13 Installation Appliance installed according to instruction manual conditions R600a Refrigerant **SENSOR TEMPERATURE** Sensor P1 **P2** Р3 P4 Р5 Р6 **P7** Р8 Р9 P10 P11 P12 P13 P14 P15 position 6 4,7 5 5,3 5,2 5 5,1 5.9 6 6,6 6,5 4,6 4.8 49 5,2 Max Avg. 4,1 4,2 4,1 4,1 4,3 5,2 5 4.8 4,9 5,7 5,9 5,8 6,3 6,2 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

### WARM UP & PULL DOWN





TYPICAL PERFORMANCE IN AMBIENT 20°C - EMPTY CABINET	
Avg. cabinet temperature	5°C
Uniformity	+/- 1,2°C
Stability in avg.	0,3°C
1 min. door open recovery to 6°C avg. temperature	10 min.
Cycle rate on/off	7,7 / 10 min.
Duty cycle	41,7%
Energy consumption	0,33 kWh/day
Pull down time to 6°C avg. temperature	40 min.
Hold over time from 5°C to 10°C	40 min.
Sample temperature does not exceed	8°C
Heat rejection	40 W