

+2°C +20°c

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	VALUE
Outer Dimension HxWxD	672x595x642
Inner Dimension HxWxD	481x475x495
Weight Gross/Net, kg	52 / 42
Material inner cabinet	ABS
Material outer cabinet	Painted Stee
Insulation thickness	50
Insulation type	Polyurethane with Cyclopentane
Air distribution	Dynamic
Mobility	Standard: Adjustable Feet - Option: Castors
Refrigerant, Type / gram	R600a / 39
Variable Speed Compressor	Yes - Adaptive Cooling Technology
Number of probes	
CONTROLLER	VALUE
Controller	i-Care, Touch screer
Controller language	EN, DE, FF
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
STORAGE	VALUE
Volume, Gross/Net, L	90 / 76
Shelves, Full/Half	1/1
Shelf material	Perforated Alu
FEATURES	VALUE
Lock	Yes
LED light	Yes
Battery Backup for Controller, 24h	Yes
Safety Thermostat	Yes
Porthole	Yes - Ø 20 mm
Dry Contact	Yes
Reference bottle	Yes
Door	Glass
Door Features	Automatic: Closure < 90° - Hold Closure > 90°
Door Reversibility	Yes

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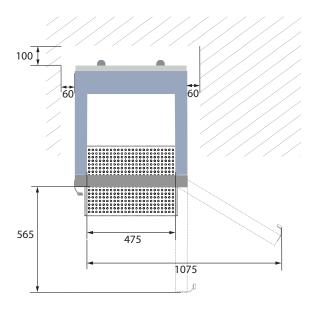


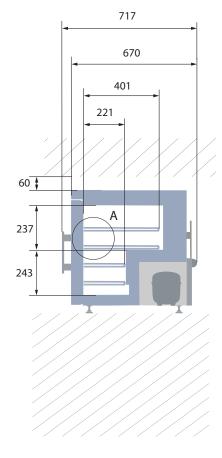
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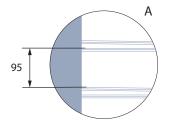
Voltage/Frequency	Voltage/Hz	230V/50-60H
Max Ambient	°C	32°C
Max Humidity	% rh	65%
max numary	76 111	03%
PERFORMANCE	UNIT	VALUE
All data in RT20°C		
Temperature Range	°C	2 to 2
Uniformity in performance - difference between top and bottom	°C	+/- 1,:
Pull down time	Minutes	40 min to 6°0
Hold over time	Minutes	75 min to 10°0
Noise	dB	4
Energy 24 hours	kWh/24h	0,336 kWh/24h set 5°0
Energy year	kWh/year	122,6kWh/y set 5°0
Instant Power Consumption	kW	PD 0,068/Stable 0,028
Heat Rejection	W	50,000/31000/61000
U-Value	W/m^2 K	0.69
	,	0,0
ACCUMO COMPONENTO		
COOLING COMPONENTS		VALUE
Refrigerant/Amount (gram)		R600a/39g
Number of compressors	pcs	
Varibel speed compressor	Yes/No	Ye
Internal air distribution (type of)		Mono Air Strean
Evaporator Fan	Yes/No/Variable	Ye
Condenser Fan	Yes/No/Variable	No
Number of probes	pcs	
Defrost	Yes/No	Yes - automatic
FEATURES		VALUE
Safety thermostat	y/n/optional	
Lock	y/n	Ye
		Ye
LED light	y/n	Ye
Battery Back Up For Controller	y/n/optional	Yes - 24
Porthole	y/n - Ømm	Yes - Ø 20mn
Dry contact	y/n	Ye
Castors	y/n/optional	Optiono
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	Yes
Vacum ventil + VIP (Vacum panel)	y/n	
Tabani Tondi Tar (Tabani)	y111	No

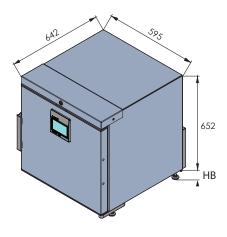


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All measurements in mm.

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

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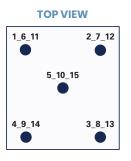






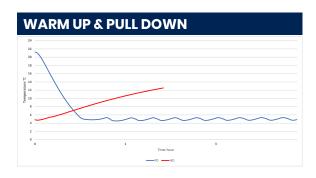
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SENSOR POSITION



MODEL	R-90I GLASS
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

SENSO	R TEM	IPERA	TURE	_	_	_	_	_	_	_	_	_	_	_	_
Sensor position	P1	P2	Р3	P4	P5	Р6	P7	P8	Р9	P10	P11	P12	P13	P14	P15
Max	4,6	4,7	4,8	5	4,9	5,3	5,2	5	5,1	5,2	5,9	6	6	6,6	6,5
Avg.	4,1	4,2	4,1	4,1	4,3	5,2	5	4,8	4,9	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





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 - Normal mode	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				