

Application, Rating, & Electrical Data

Application	Biomedical freezer
Storage Volume (L)	308/10.88
Temperature Range	-10°C ~ -25°C
Default Set Point	-25°C
Power	115~V/60Hz 220-240~V/50Hz 220-240~V/60Hz
Current	3A 1.18A 1.3A
Power Cord Length	1.7m
Certification	CE&UL
Door type	Solid door
Application Environment	Non-corrosive, non-flammable, non-explosive
Ambient Operating Temperature	10°C-32°C

Refrigeration

Refrigeration System	Direct cooling
Compressor	Hermetic, fix frequency
Condenser Type	Built in/Built in + micro channel condenser
Expansion Device	Capillary tube
Evaporator Type	Shelf evaporator
Defrost Method	Manual defrost
Refrigerant	R290

Controller / Configuration Settings

Display screen	LCD
Controller Type	Microprocessor
Security	Lockable door, protected settings
Control Sensor	NTC
Communication Ports	USB, Remote alarm contacts
Power Failure Alarm	Yes
High/Low Alarms	Yes, fully adjustable
Door Ajar Alarm	Yes
Download	Yes, via USB, PDF
Temperature Log	Yes, download via USB

Performance Characteristics (normal operating conditions)

Uniformity (°C)	≤3.5°C
Energy consumption (kWh/day)	1.2
Noise emission (dB)	64 46 48
Pull-down time to -25°C (min)	84 132 84

Typical Temperature Map

Fre	test 1	test 2	test 3	test 4	test 5	test 6	test 7	test 8	test 9
Avg	-23.86	-23.92	-23.84	-25.40	-25.32	-25.50	-25.78	-25.91	-25.35
Max	-22.40	-22.70	-22.70	-24.30	-24.30	-24.40	-24.90	-24.90	-24.60
Min	-25.60	-25.10	-25.00	-26.30	-26.30	-26.40	-26.90	-26.90	-26.20

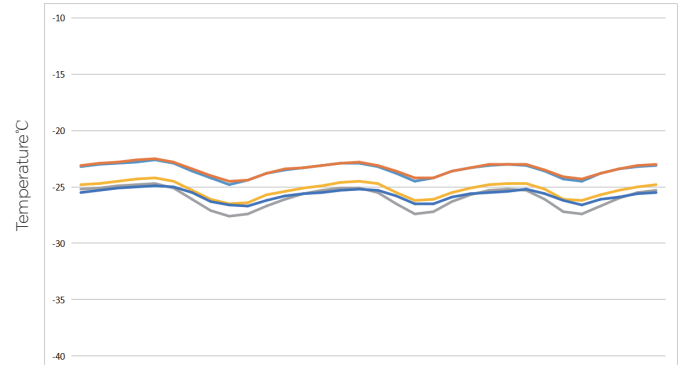
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Dimensions and Construction

Interior (w x h x d)mm	540*450*1277 mm
Exterior (w x h x d)	700*690*1920 mm
Access Port	2 Access Port- for external monitoring probe(s) (25 mm diameter)
shelf	7 18 kg max capacity
Wheels	4/Omni-directional
Net Weight	102 kg
Gross Weight	114 kg

All performance data from 308L biomedical freezer, 25 ambient, -25°C

Uniformity



Cooling Speed

