



MXY-558



Precise Temp. Control

$\pm 1^{\circ}\text{C}$ Uniformity & $\leq 2^{\circ}\text{C}$ Fluctuation.



Multiple Alarms

Complete Sound and Light Alarm System for High/Low Temperatures, Power Outages, Door Opening, Sensor Failures, and Low Battery Power.



Energy-Saving & Low Noise

1.6kW*h/24h Power Consumption & 50dB Low Noise.

Structure Features

LED Interior Lighting

The cabinet comes equipped with LED interior lighting and independent external light switches for easy access and visibility.

LED Display

Midea's unique dual display technology shows both temperature and humidity inside the unit.

USB Port

With a USB data recorder, you can easily record and analyze data.

Stainless Steel Sliding Drawers

Easy-to-Extract Stainless Steel Sliding Drawers for Convenient Blood Storage and Retrieval.

Top Cooling

Top Cooling technology boosts temperature variation performance by 40% and increases cooling efficiency by 15%, ensuring reliable and energy-efficient operation.

90-degree hovering function

Blood Bank Refrigerator automatic door closing function ensures secure and efficient operation, while the 90-degree hovering function provides easy access to blood bag.



Application, Rating, & Electrical Data

Application	Blood Bank Refrigerator
Storage Volume (L/Cu.Ft)	558/19.7
Temperature Range	2°C ~ 6°C
Default Set Point	4°C
Power	220-240-V /50/60Hz
Current	2A
Power Cord Length	1.7m
Certification	CE
Door type	Foamed glass door
Application Environment	Non-corrosive, non-flammable, non-explosive
Ambient Operating Temperature	16°C-32°C

Refrigeration

Refrigeration System	Forced-air/hydrocarbon Refrigerant
Compressor	Hermetic, variable speed
Condenser Type	Air cooling
Expansion Device	Capillary tube
Evaporator Type	Fin type
Defrost Method	Automatic
Refrigerant	R600a/52g

Controller / Configuration Settings

Display screen	LED
Controller Type	Microprocessor
Security	Lockable door, password protected settings
Control Sensor	NTC, stainless steel
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
Battery Back-up	Yes, 15 h
Protection	Antifreeze Protection

Performance Characteristics (normal operating conditions)

Uniformity (°C)	±1.0
Recovery to 6°C after 1 min door opening (min)	8.5
Energy consumption (kWh/day)	1.6
Noise emission (dB)	50
Heat rejection (BTU/hr)	341
Pull-down time to 6°C (min)	90

Typical Temperature Map

	test 1	test 2	test 3	test 4	test 5	test 6	test 7	test 8	test 9
Avg	4.10	4.00	4.10	4.00	4.10	3.50	3.50	3.90	4.20
Max	4.90	4.70	4.40	4.40	4.50	3.80	3.70	4.30	4.40
Min	3.90	3.80	3.50	3.60	3.70	3.30	3.40	3.80	3.90

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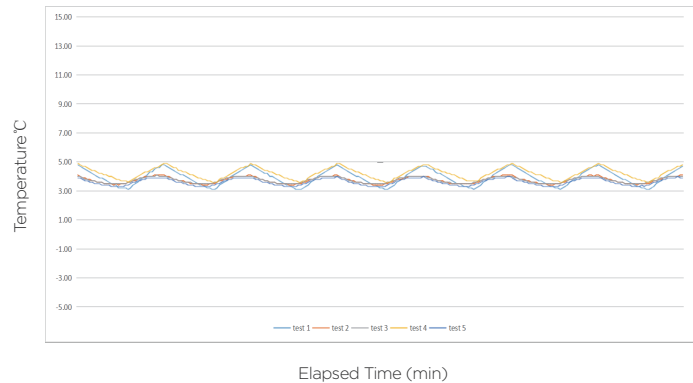


Dimensions and Construction

Interior (w*d*h)	660*590*1560 mm
Exterior (w*d*h)	760*825*1925 mm
Access Port	1 Access Port- for external monitoring probe(s) (25 mm diameter)
400ml Blood Bag	336
Wheels	4 Swivel Casters + 2 Leveling Feet
Net Weight	170 kg
Gross Weight	192 kg

All performance data from 558L Blood Bank Refrigerator, 25 ambient, 4°C

Uniformity



Cooling Speed

