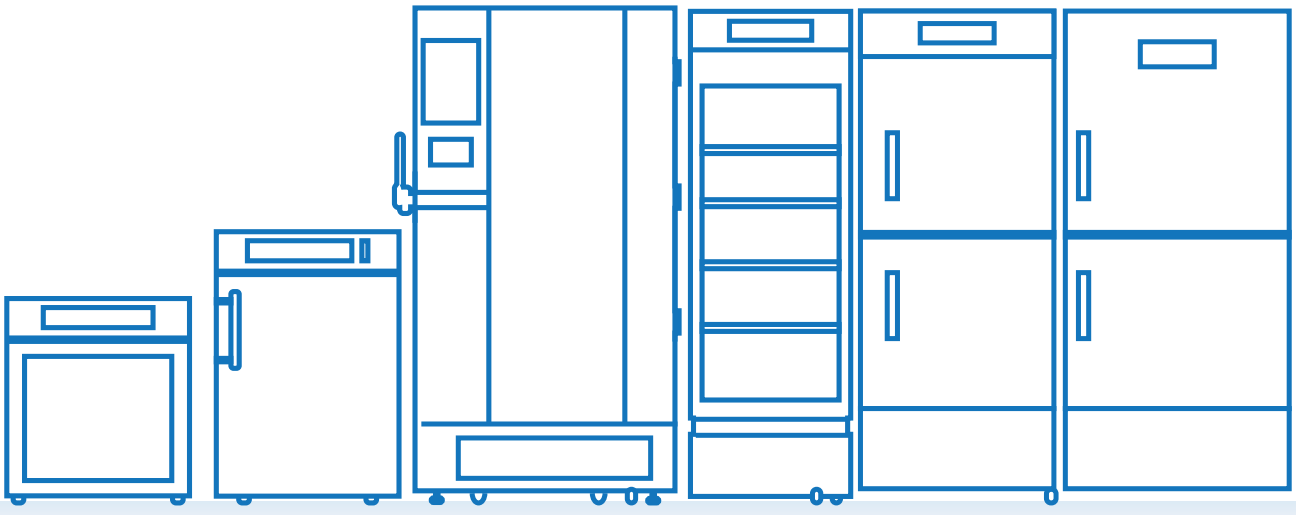
BLANCLABO
laboratory equipment

Midea Biomedical

Midea Biomedical

Catalogue

Science for life



Midea Group Profile

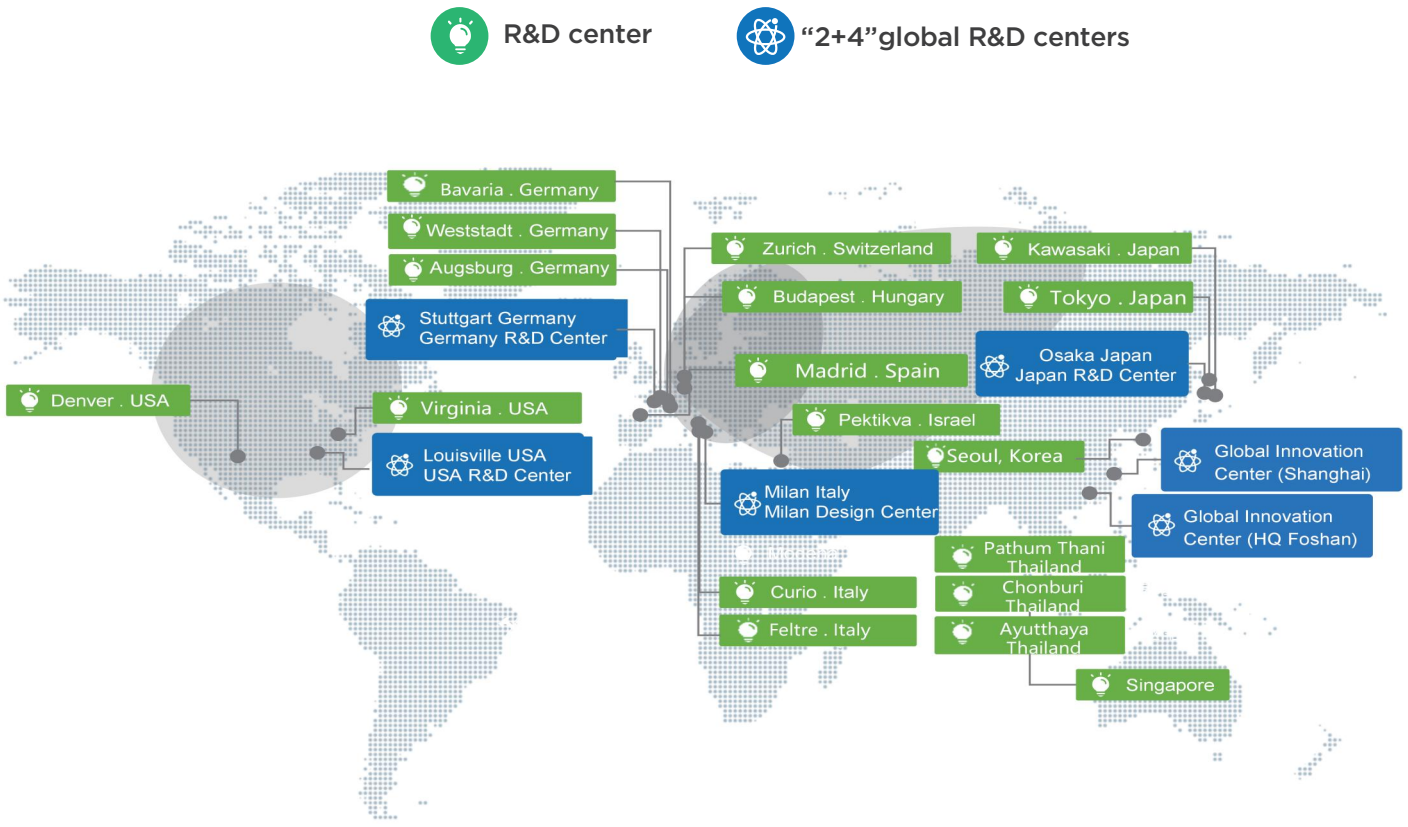
+$57.44B
Total Revenue (USD)

190,000+
Employees

246th
In the Fortune Global 500

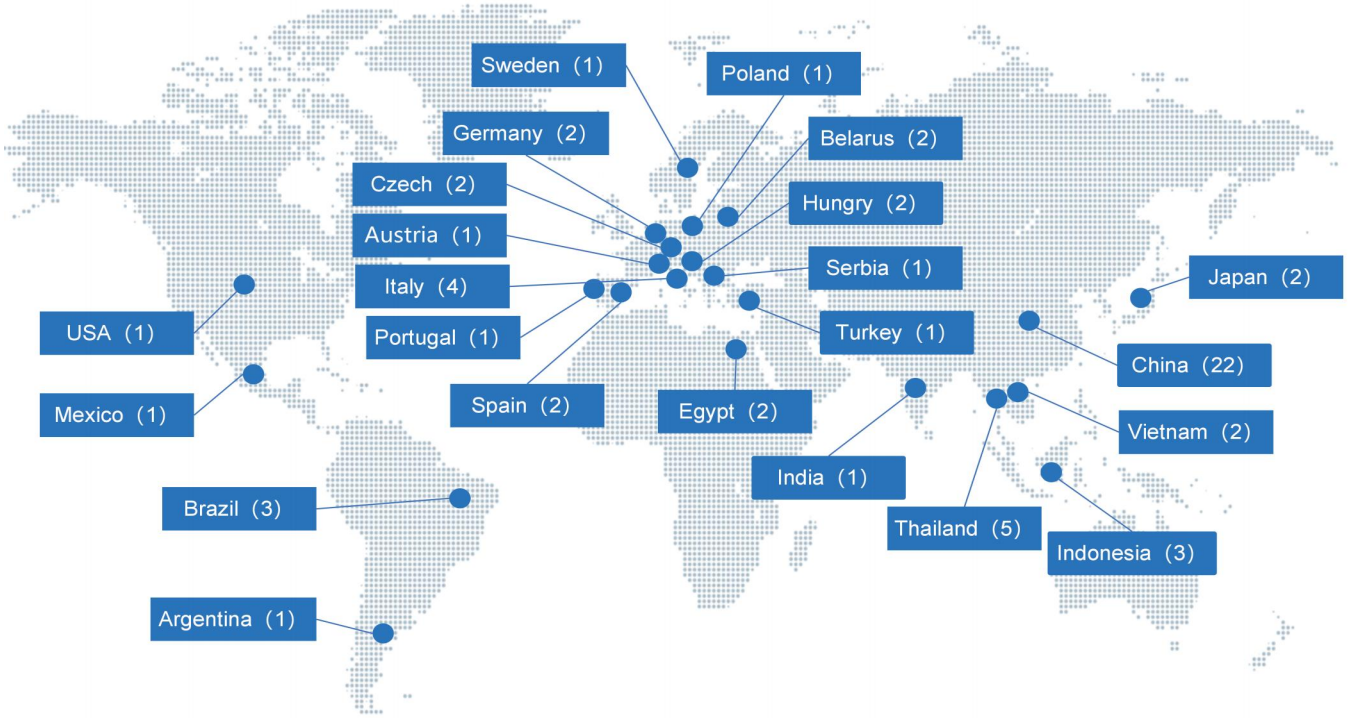


The layout of global R&D network



- Distributed across 12 countries

The layout of global production



- **Distributed across 13 countries, 44 overseas production centers**

Midea will continue to go above and beyond to embrace the future, constantly exploring and inventing to meet the ever-changing demand of our customers and consumers.

Midea Biomedical Company

Midea Group entered the biomedical field and started to develop biomedical products since 2011. After 9 years of intensive cultivation in this professional field, Midea Biomedical Co., Ltd was established in 2020. As part of Midea Group, we are one of the most important manufacturers and suppliers of cryogenic storage equipment in China.

With our over 30 years experience and research achievement of refrigeration, we're now offering "professional, smarter and safer" cryogenic products, services and usage experiences. Midea biomedical product lineup includes but not limited to: ULT freezer, biomedical freezer, pharmacy refrigerator, blood bank refrigerator, ice-lined refrigerator and lab equipments.



With continued high investments in design & technology improvement, now 31% of our employees are from the R&D department. We're capable of providing integrated service & product solutions for Medical and Health Care, Biological Medicine, Disease Control System, Research Institute, Agricultural and Animal Husbandry, etc.

As a manufacturer of high-quality biomedical fridges and freezers, Midea stands for reliability and durability. Every appliance is tested intensively for quality and functionality during development process. Midea laboratory is TUV cooperated laboratory and has been recognized by UL witness test data program. We're always working to develop our appliances, optimize all components and process them properly to the last detail, so we can guarantee Midea quality with long durability of our appliances.







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Midea Biomedical

Dual X Series
Midea -40°C to -86°C Ultra-low Temperature Freezer

Dual Cooling & Dual Guard

Dual Inverter

Energy-Saving & Low Noise

Flexvolt (100V-240V)

Super & Even Cooling



Midea Advanced Technologies for ULTs



Multi-layer Silicone Sealing Structure

Multi-layers silicone gaskets provide a tight seal between the inner doors and outer door, reducing heat exchange rate and retaining the inner temperature better when there is power failure.



Multi-level Alarms

Alarm functions include high, low temperature, sensor error, power failure, high ambient alarm, door open alarm etc.



Ingenious Handle Design

Ingenious handle design helps you easy to open and close door. Lockable handle safeguards your precious samples. Padlock can also be added for extra sample safety.



Stainless Steel Cabinet

Abrasive and corrosion resistance, easy clean.



VIP PLUS

VIP PLUS vacuum insulation provides up to 30% more storage capacity than a conventionally insulated freezer.



Relief Port

It allows users to re-open the main door quickly when entering, rust-proof, freeze-free.

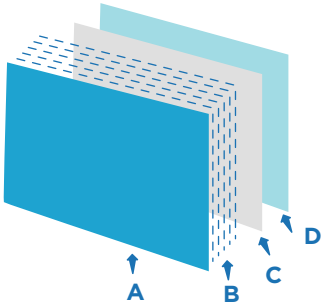


Filter Design

Tool-free removable filter design, easy and quick to clean the filter.

Midea Advanced Technologies for ULTs

Foaming



A: Stainless steel 304 liner 

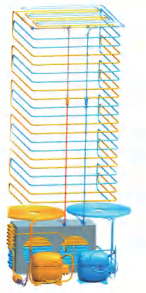
B: 90mm Insulation thickness 

C: VIP vacuum plate 

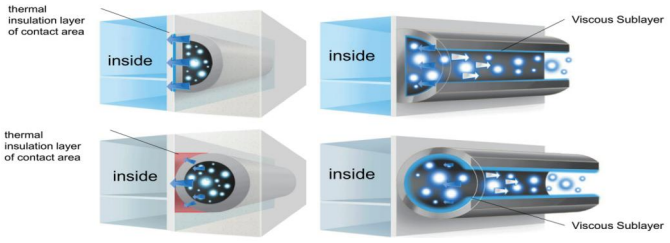
D: High quality steel plates with spraying 

Dual Cooling System

Midea Dual Cooling System offers the high level security storage. Two independent systems, in the case of an unexpected failure of one cooling circuit, can maintain the freezer's temperature below -80°C.



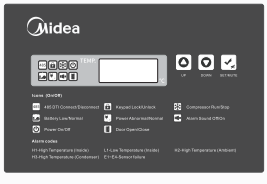
D-Shape Evaporator



Patented D-shape evaporating tube allows the larger heating exchange area.
The heating exchange rate increase up to 15%.
More space contact, faster pull down.

LED Display/LCD Display

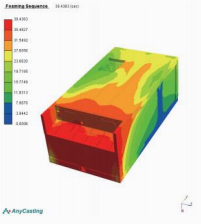
Alarm functions include high, low temperature, sensor error, power failure, high ambient alarm, door open alarm etc.



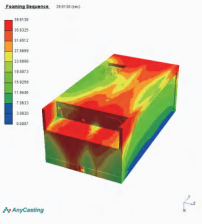


CFC-free Foaming Technology

Better insulation, more energy-saving.
More reasonable of the foaming layer design, higher space utilization rate.



Before Improvement



After Improvement

-40 to -86°C Ultra-low Temperature Freezer

Dual X Series

Scope of Application

Applicable for products and samples which require strict storage, biological products, electronics and special materials. Products are widely used in hospitals, CDC, scientific research institutions biomedical engineering institutes, agriculture/fishery companies.



MD-86L580BS

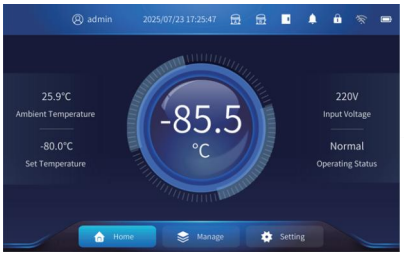


MD-86L720BS



MD-86L860BS

Product Advantages

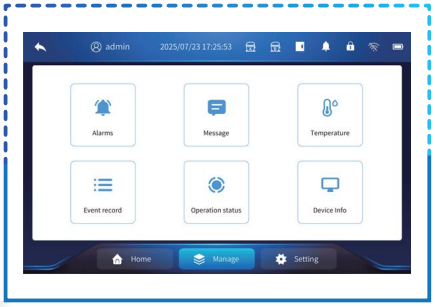


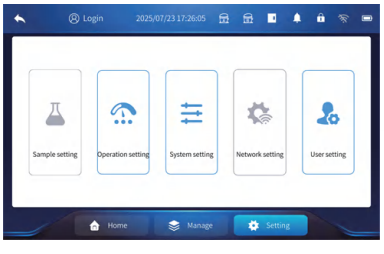
10.1” LCD Touch Screen

Midea's cold chain solutions offer unmatched convenience with a user-friendly 10.1" touch screen. Precise temperature control ensures optimal storage for sensitive samples.

Multi Visual Management

The Multi Visual system enables real-time monitoring of temperature and alarms, ensuring sample integrity and compliance. Easily access detailed data and trends for comprehensive management.





Convenient Settings

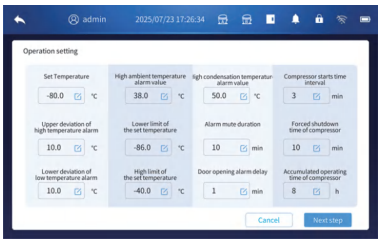
ULT Freezer simplifies lab workflows with an intuitive touch screen for easy parameter configuration, ensuring efficient sample management and user-friendly operation.

-40 to -86°C Ultra-low Temperature Freezer

Dual X Series

Precise Sample Safety

The 10.1" Touch Screen ensures precise control and monitoring of temperature settings, safeguarding samples from fluctuations and environmental changes for maximum security.



Key Features

Dual Cooling and Dual Guard

Through dual-system, two independent cooling systems operate collaboratively to maintain uninterrupted performance even if one encounters issues, while shared operational loads minimize individual strain, collectively extending the system's overall durability and service life.

Super and Even Cooling

Achieves -80°C in just 3.5 hours from ambient (25°C), faster than the industry standard of 6 hours, while also enhancing temperature uniformity to ±3°C.

Flex Voltage Technology

Equipped with advanced inverter technology, Dual X ULT Freezers intelligently adjusts to voltage fluctuations, maintaining -86°C stability even in regions with erratic grids.

Energy Saving and Low Noise

Advanced energy-efficient technology reduces power consumption while maintaining high performance. Optimized design minimizes noise, making it a comfortable environment for users.

Product Parameters

Model	Temperature Range(°C)	Volume (L/Cu.Ft)	External Dimensions (w*d*h)(mm)	Interior Dimensions (w*d*h)(mm)	Shelf/ Inner Door	Compressor Type	Certificates
MD-86L580BS	-40--86	580/20.48	885*995*1980	595*720*1310	3/4	Inverter*2	CE,UL, Energy Star
MD-86L720BS	-40--86	720/25.43	1030*995*1980	740*720*1310	3/4	Inverter*2	CE,UL, Energy Star
MD-86L860BS	-40--86	860/30.37	1175*995*1980	885*720*1310	3/4	Inverter*2	CE,UL, Energy Star

-40 to -86°C Ultra-low Temperature

Lab Guard Series

Scope of Application

The Lab-Guard ULT freezer can be used for the storage and protection of temperature sensitive samples , vaccines, longitudinal study samples, important medical research samples, valuable pharmaceutical products, clinical trial samples.



MD-86L108



MD-86L358



MD-86L458



MD-86L568



MD-86L718



MD-86L838

Key Features

Optimized Refrigeration System

High-efficiency refrigeration system with rapid cooling capabilities;
ECO-friendly and energy-efficient refrigerants;
D+ evaporator tubes offer larger heat exchange area, higher refrigerant flow, and faster cooling.

Multi-dimensional Insulation Technology

Advanced CFC-free foaming technology;
Vacuum insulation panels (VIP);
Silicone sealing strip, meeting requirements for lower temperature conditions.

Multiple Protections

Standard lockable door, ensuring secure storage;
Standard USB, export temperature data as needed, ensuring traceable and secure storage;
Multiple alarm functions, safeguarding sample safety.

Humanized Design

304 stainless steel inner lining, wear-resistant and anti-corrosive (excluding MD-86L108,MD86L358);
LED display screen, clear and precise guidance;
Innovative M-shaped door handle design, ergonomically designed for convenience;
Easily removable dust filter cover, facilitating regular cleaning of the filter.

Product Parameters

Model	Temperature Range(°C)	Volume (L/Cu.Ft)	External Dimensions (w*d*h)(mm)	Interior Dimensions (w*d*h)(mm)	Compressor Type	Certificates
MD-86L108	-40--86	108/3.81	955*675*815	440*435*590	Fixed frequency*1	CE,UL, FDA list
MD-86L358	-40--86	358/12.64	795*885*1855	450*583*1326	Fixed frequency*1	CE, UL,FDA list
MD-86L458	-40--86	458/16.17	885*855*1980	595*580*1310	Fixed frequency*1	CE,UL,FDA list
MD-86L568	-40--86	568/20.06	885*995*1980	595*720*1310	Fixed frequency*2	CE
MD-86L718	-40--86	718/25.36	1030*995*1980	740*720*1310	Fixed frequency*2	CE
MD-86L838	-40--86	838/29.59	1175*995*1980	885*720*1310	Inverter*2	CE,UL, FDA list

Optional Accessories

UPS Backup

Emergency power backup for continuous refrigeration during grid failure.



Voltage Stabilizer

Ensures constant power supply to refrigeration systems in unstable grid areas.



Chart Recorder

Rotary chart recorder for cold chain monitoring circular chart temperature recorder.



Printer

On-demand printing of realtime chamber temperature data.



IoT Data Logger

Access your data anytime via IoT;
View temperatures & alerts in our mobile app;
Get automatic email notifications;
Receive critical alerts on your phone.



LN2 Backup System

Maintains stable temperatures -80°C during power outages.



CO2 Backup System

Maintains stable temperatures -65°C during power outages.



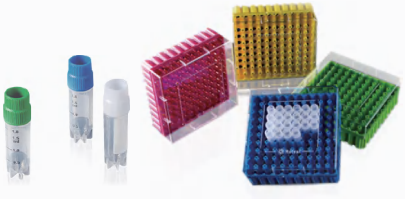
Freezer Rack

Constructed with cryogenically resistant 304 stainless steel for durability and safety.



Cryo Box and Cryovial

Cryo Box: -90°C ~121°C, solvent-resistant, fits 0.5/1.0/2.0ml vials, multi-color ID.



-25/-30/-40°C Biomedical Freezer

Scope of Application

Midea biomedical freezers, suitable for storing vaccines, biological materials, biological products, that require special temperature preservation, can be widely used in hospitals, pharmacies, pharmaceutical factories, university laboratories, factories, etc.



MD-25/40L106



MD-25L308



MD-25L518



MD-30/40L850B



MD-40L308



MD-40L518

Product Advantages



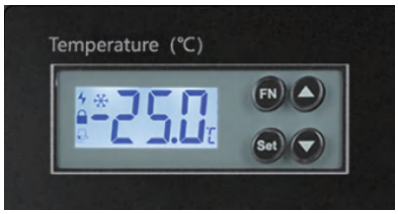
CFC Free Foaming Technology

Stronger sealing and better insulation.

PCM Inner Liner

Multi layer HIPS drawer
Easy to clean and corrosion-resistant, flexible and convenient to use.





Temperature LCD Display

Accurate temperature control, with a display accuracy of 0.1 °C.

Lockable Door

Sample storage is more secure.



-25/-30/-40°C Biomedical Freezer

Key Features

Accurate Temperature Control, Safe and Reliable

Microprocessor temperature control, the temperature inside the freezer can be adjusted from -10°C to -25°C/-10°C to -30°C/-20°C to -40°C;
Equipped with a comprehensive alarm system, with buzzer sound and flashing light alarm functions;
Multiple alarm functions, which can achieve high and low temperature alarms, sensor failure alarms, etc.

Efficient Refrigeration and Full Effect Insulation

CFC free foam insulation technology, double sealed door design, can effectively maintain the temperature inside the freezer;
Efficient refrigeration system;
Optimized evaporator pipeline design ensures effective flow of the refrigerant and excellent temperature uniformity inside the freezer.

Humanized Design

PCM inner liner, multi-layer HIPS drawers, easy to clean and corrosion-resistant, flexible and convenient to use (except for MD-30/40L850B);
Lockable door design;
LCD temperature display, easy to observe, clear and intuitive;
Standard USB interface and backup battery for easy recording and saving of operational data.

Product Parameters

Model	Temperature Range(°C)	Volume (L/Cu.Ft)	External Dimensions (w*d*h)(mm)	Interior Dimensions (w*d*h)(mm)	Certification
MD-25L106	-10--25	106/3.74	600*610*815	455*460*595	CE, UL, FDA list
MD-25L308	-10--25	308/10.88	700*690*1920	540*450*1277	CE, UL, FDA list
MD-25L518	-10--25	518/18.29	866*811*1920	Top: 680*620*650 Bottom: 680*620*650	CE,UL, FDA list
MD-30L850B	-10--30	850/30.02	1175*995*1980	885*720*1310	CE
MD-40L106	-20--40	106/3.74	600*610*815	455*460*595	CE, UL, FDA list
MD-40L308	-20--40	308/10.88	700*690*1920	540*450*1277	CE,UL, FDA list
MD-40L518	-20--40	518/18.29	866*811*1920	Top: 680*620*650 Bottom: 680*620*650	CE,UL, FDA list
MD-40L850B	-20--40	850/30.02	1175*995*1980	885*720*1310	CE

-25/-40°C Biomedical Freezer



MD-25W368

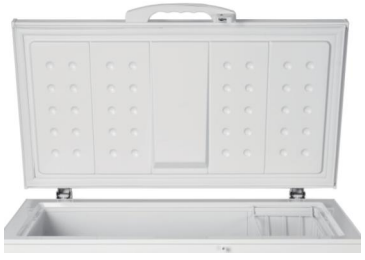


MD-40W368



MD-25W568

Product Advantages



CFC Free Foaming Technology

Super insulation to maintain stable chamber temperature

Sturdy and Durable

Simple and elegant, easy to clean and resistant to corrosion





Lockable Door

Perfect alarm systems & lockable door

Precise LCD Display

Microprocessor temperature control,
temperature accuracy 0.1°C



-25/-40°C Biomedical Freezer

Key Features

Precise Temperature Control, Safe and Reliable

Microprocessor temperature control, chamber temperature -10°C--25°C/-20°C--40°C adjustable;
Multiple alarm functions, including high and low temperature alarm, sensor failure alarm, and power failure alarm;
Multiple protection functions to ensure stable operation of the refrigeration system when sensor faults occur;
Standard USB port for recording chamber temperature.

Humanized Design

PCM steel plate interior liner, easy to clean and corrosion-resistant;
Lockable door design, prevents unauthorized opening;
LCD display, convenient for observation, clear and intuitive;
Back-up battery included, which can continue to record the chamber temperature.

High-efficiency Cooling & Super Energy-saving

Foaming technology, maintaining stable chamber temperature;
Optimized refrigeration system;
Hydrocarbon refrigeration, environment friendly.

Product Parameters

Model	Temperature Range(°C)	Volume (L/Cu.Ft)	External Dimensions (w*d*h)(mm)	Interior Dimensions (w*d*h)(mm)	Certification
MD-25W368	-10--25	368/13	1255*745*853	870*550*648 230*550*428	CE
MD-25W568	-10--25	568/20.06	1870*745*865	1479*550*625 230*550*405	/
MD-40W368	-20--40	368/13	1255*745*853	870*550*648 230*550*428	/

Ice-lined Refrigerator

Scope of Application

Midea Biomedical Ice-Lined Refrigerator is specifically designed to secure safety and potency of sensitive vaccines which need to be cooled at a controlled and stable temperature. Equipped with a solar-powered display panel, rated for a wide ambient range of 5-43°C, this refrigerator is appropriate for unstable electricity supply regions.



MBC-180

Key Features

Refrigeration System

High quality compressor;
Optimized dual-layer cooling structure;
Eco-Cool R600a refrigerant.

Temperature Control

Maintain 2°C-8°C for 73hrs at 43°C, 120hrs at 32°C during power outage;
Equipped with digital solar powered temperature display to measure controlled inside temperature range from 2°C-8°C.

International Compliance

PQS-compliant DLO1 & EM01 with M2M interface;
Meet the A-level PQS requirements for anti-freezing protection.

Product Parameters

Model	MBC-180	Exterior dimensions (W*D*H) mm	1115*740*910
Cabinet type	Chest	Holdover time at 43°C	73
Temperature range(°C)	2°C-8°C	Holdover time at 32°C	120
Gross volume (L/Cu.Ft)	180/6.36	Noise level(dB(A))	35
Vaccine storage capacity (L/Cu.Ft)	154/5.44	Freeze protection level	A
Interior dimensions (W*D*H) mm	370*635*840	Certification	CE/PQS

2~8°C
Pharmacy Refrigerator



2~8°C Pharmacy Refrigerator

Scope of Application

Midea pharmacy refrigerators, suitable to store vaccines, medicines and laboratory products at 2°C to 8°C, and can be widely used in pharmacies, pharmaceutical factories, hospitals, CDC, clinics, laboratories, etc.

2~8°C Pharmacy Refrigerator Product Portfolio



MC-5L42



MC-5L126



MC-5L216



MC-5L316B



MC-5L316



MC-5L416



MC-5L606



MC-5L756



MC-5L1006



MC-5L1366B

Product Advantages



Dual Display Temp. and Humidity

Dual display of temperature and humidity (MC-5L216 and above models) to accurately monitor the inner chamber status.

Top Cooling

Patented forced-air cooling system plus built-in air duct, ensure inner temperature uniformity of ±1°C



2~8°C Pharmacy Refrigerator

Key Features

Precise Temperature Control

Microprocessor control, digital display with 0.1°C accuracy;
Patented forced-air cooling system plus built-in air duct, ensure inner temperature uniformity of ±1°C;
Hermetically sealed compressor, forced-air circulation with auto defrost to ensure a cabinet temperature between 2°C~8°C.

Security System

Mechanical lock ensures safe and secure product storage;
Multiple alarms: high/low temperature, high ambient temperature, door ajar, power failure, low battery, sensor error, communication error and remote alarm contacts;
Built-in battery, continuously showing the real-time chamber temperature after power off;
Optional RS485 communication port.

HC Refrigeration System

Eco-friendly hydrocarbon refrigerant (R600a) and CFC-free polyurethane insulation for reduced global warming potential;
Equipped with high-efficiency inverter compressor (MC-5L416 and above models) to ensure high cooling performance with lower energy consumption and noise level.

Humanized design

Low-E glass door with electric heating function (except for MC-5L42), effectively preventing condensation;
Adjustable plastic-coated wire shelves for improved circulation and flexible storage;
Energy efficient interior LED lighting;
Easy to check the min/max temperature;
25mm probe access port to accept user- provided monitoring equipment;
Self-closing door function (except for MC-5L42);
4 universal casters with 2 leveling feet (MC-5L416 and above models);
Standard USB port to conveniently record and export cabinet temperature and alarm data.
Unique humidity range maintain between 35% and 75%, to keep vaccine and pharmacy stored in a better cabinet environment (MC-5L216, MC-5L1366B optional).

Product Parameters

Model	Temperature Range(°C)	Cabinet type	Volume (L/Cu.Ft)	Interior Dimensions (W*D*H) mm	Exterior Dimensions (W*D*H) mm	Certification
MC-5L42	2-8	Upright single glass door	42/1.48	380*300*410	450*459*569.5	CE,UL,Energy Star, NSF456
MC-5L126	2-8	Upright single glass door	126/4.45	505*467*620	595*615*810	CE,UL,Energy Star,NSF456, DIN 13277(Optional)
MC-5L216	2-8	Upright single glass door	216/7.63	497*440*1150	595*597*1452	CE
MC-5L316	2-8	Upright single glass door	316/11.16	500*464*1343	595*603*1920	CE,UL,Energy Star, NSF456,FDA list
MC-5L316B	2-8	Upright single glass door	316/11.16	500*464*1343	595*603*1920	CE
MC-5L416	2-8	Upright single glass door	416/14.70	595*514*1343	690*653*1920	CE,UL,FDA list, DIN 13277(Optional)
MC-5L416C	2-8	Upright single solid door	416/14.70	595*514*1343	690*653*1920	CE,DIN13277 (Optional)
MC-5L606	2-8	Upright single glass door	606/21.40	660*590*1560	760*825*1925	CE,UL,FDA list
MC-5L756	2-8	Upright double glass door	756/26.70	880*634*1354	970*808*1920	CE,UL,FDA list
MC-5L1006	2-8	Upright double glass door	1006/35.53	1130*634*1354	1220*808*1920	CE,UL,FDA list
MC-5L1006C	2-8	Upright double solid door	1006/35.53	1130*634*1354	1220*808*1920	CE
MC-5L1366B	2-8	Upright double glass door	1366/48.24	1410*660*1540	1500*895*1925	CE,UL

4°C Blood Bank Refrigerator

Scope of Application

The Midea Blood Bank Refrigerator provides safe and reliable storage for blood products. With precise temperature control and efficiency cooling, it ensures optimal preservation. Equipped with advanced features, it provides a secure and user-friendly solution for medical facilities. The perfect choice for safe and blood storage.



MXY-206

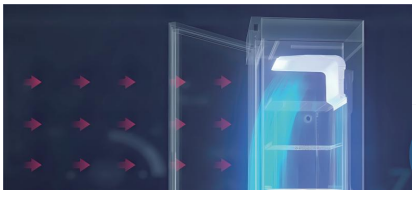


MXY-558



MXY-1306

Product Advantages



Top Cooling

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

Stainless Steel Sliding Drawers

Stainless Steel Sliding Drawers for Convenient Blood Storage and Retrieval.





LED Interior Lighting

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

Inverter Compressor

Improve cooling performance, reduce energy consumption by 15%; Decrease noise level, 20% higher cooling ability; Interior temperature variation within 2°C.



4°C Blood Bank Refrigerator

Key Features

Multiple Alarm

Complete sound and light alarm system for high/low temperatures, power outages, door opening, sensor failures, and low battery power.

Over 45-degree Hovering Function

Easy export of data on USB, automatic door closing, and over 45-degree hovering function.

CFC Free Foaming Technology

CFC free foaming technology for more uniform density, better insulation and more energy-saving design.

Humanized Design

Humanized design with safety lock, multi-layers gaskets for better temperature insulation, cable port, and anti-condensation door.

Product Parameters

Model	Temp. Range	Capacity (L/Cu.ft)	Bloodbags (400ml)	Dimensions (W*D*H)(mm)	Certification
MXY-206	4°C	206/ 7.27	152	595*680*1620	CE
MXY-558	4°C	558/19.7	336	760*825*1925	CE
MXY-1306	4°C	1306/46.1	642	1500*895*1925	CE

Combined Refrigerator & Freezer



Combined Refrigerator & Freezer

Scope of Application

Used for storing vaccines, frozen biological materials, biologics, that require special temperature preservation, suitable for hospitals, pharmacies, pharmaceutical factories, university laboratories, factories, etc.



MCD-25L350



MCD-40L350



MCD-25L506



MCD-40L506

Product Advantages



CFC Free Foaming Agent, Three-Dimensional Insulation

Stronger sealing, better insulation.

Multiple Alarm Functions

Improved audible-visual alarms, with multiple alarms including sensor fault alarms.





Dual System

The upper and lower chambers use dual independent cooling systems, which can independently control the temperature of the upper and lower chambers.

Advanced Microchannel Condenser & Brand Compressor

High-efficiency cooling, energy-saving. Super heat transfer performance.



Combined Refrigerator & Freezer

Key Features

Temperature Control

Refrigerator and freezer that can be individually controlled; temperature of refrigerator is 2°C~8°C, freezer can adjust from -10°C~-25°C/-10°C~-40°C;
Microprocessor control with LED display, temperature accuracy 0.1°C;
The refrigeration chamber adopts curtain uniform cooling technology.

Security System

Perfect alarm systems: buzzer alarming with light flashing;
High and low temperature alarm, power failure, sensor failure alarm, etc;
Lockable door for sample storage.

Humanized Design

Equipped with standard test ports;
Levelling feet + universal wheel;
USB port automatically saves temperature data;
Facilitating the connection of external cold chain monitoring equipment;
Environmentally friendly CFC free foaming agent, better insulation effect, foam layer design more rational, higher space utilization.

Product Details

Model	Temperature Range(°C)	Volume (L/Cu.Ft)	External Dimensions (w*d*h)(mm)	Interior Dimensions (w*d*h)(mm)	Certification
MCD-25L350	R: 2~8 F:-10~-25	R: 206/7.27 F: 144/5.09	695*655*1920	R:600*505*690 F:540*480*560	CE,UL,NSF456,FDA list
MCD-25L506	R: 2~8 F: -10~-25	R: 247/8.72 F: 259/9.15	866*811*1920	R:680*596*630 F:680*620*650	CE, UL,FDA list
MCD-40L350	R: 2~8 F: -10~-40	R: 206/7.27 F: 144/5.09	695*655*1920	R:600*505*690 F:540*480*560	CE, UL,FDA list
MCD-40L506	R: 2~8 F: -10~-40	R: 247/8.72 F: 259/9.15	866*811*1920	R:680*596*630 F:680*620*650	CE,UL,FDA list

-86°C ULT Freezer Specifications

Dual X Series

Item	Model	MD-86L580BS	MD-86L720BS	MD-86L860BS
Technical Data	Working Conditions	+10°C-+32°C		
	Cabinet Type	Upright		
	Cooling Type/Defrost Mode	Direct Cooling/Manual		
	Compressor	SECOP/Inverter*2		
	Refrigerant Gas	HC (CFC free)		
	Noise Level (dB(A))	46		
Controller	Controller	Microprocessor		
	Display	Touch Screen		
Performance	Temperature Range	-40°C~-86°C		
	Accuracy (°C)	0.1		
	Cooling Performance	-86℃		
Electrical Data	Power Supply (V/Hz)	100-240~/50/60		
	Operation Power (W)	360	450	495
	Electrical Current (A)@220V	6.5		7
Dimensions	Capacity (L)	580	720	860
	Net/Gross Weight (kg)	288/331	320/370	344/403
	Interior Dimension (W*D*H)mm	595*720*1310	740*720*1310	885*720*1310
	Exterior Dimension (W*D*H)mm	885*995*1980	1030*995*1980	1175*995*1980
	Packing Dimension (W*D*H)mm	980*1145*2155	1125*1145*2155	1270*1145*2155
	Cabinet Width (mm) (without handle and hinge)	775	920	1065
	Container Load (20'/40'/40'H)	12/24/24	10/20/20	8/18/18
Material	Out Door	Powder Coated Cold Rolled Steel		
	Inner Doors	Foaming Door Powder Coated Cold Rolled Steel		
	Interior	SUS 304		
	Exterior	Powder Coated Cold Rolled Steel		
	Shelf	SUS 304		
Functions	High/Low Temperature Alarm	Y		
	Hot Condenser Alarm	Y		
	Power Failure Alarm	Y		
	Abnormal Voltage Alarm	Y		
	Sensor Error Alarm	Y		
	Low Battery Alarm	Y		
	High Ambient Temperature Alarm	Y		
	Door Ajar Alarm	Y		
	System Failure Alarm	Y		
	Communication Failure Alarm	Y		
	Start-up Delay	Y		
Accessories	Caster	4		
	Leveling Feet	2		
	Door Lock	Standard		
	Porthole (Qty/Diameter)	2/25mm (rear side)		
	Inner Doors	4		
	Shelves Qty	3 (Adjustable)		
	Freezer Racks Quantity (2" boxes)	5*5/16	5*5/20	5*5/24
	Capacity (2" boxes)	400	500	600
	USB Interface	Standard		
	Remote Alarm Contact	Standard		
	5V Power Supply Port	Standard		
	Printer/Chart Recorder	Optional		
	RS 485 Port	Optional		
	Power Failure Backup System (alarm)	17h		
	CO_2 Backup System	Optional		
	LN_2 Backup System	Optional		

-86°C ULT Freezer Specifications

Dual Guard Series

Item	Model	MD-86L458S			MD-86L568BS
Technical Data	Working Conditions	+10°C-+32°C			
	Cabinet Type	Upright			
	Cooling Type/Defrost Mode	Direct Cooling/Manual			
	Compressor	SECOP*Fixed Frequency*1			SECOP/Inverter*2
	Refrigerant Gas	HC (CFC free)			
	Noise Level (dB(A))	46			
Controller	Controller	Microprocessor			
	Display	Touch Screen			
Performance	Temperature Range	-40°C~-86°C			
	Accuracy (°C)	0.1			
	Cooling Performance	-86°C			
Electrical Data	Power Supply (V/Hz)	220-240~/50	115~/60	220-240~/60	220-240~/50/60
	Operation Power (W)	765	900	765	360
	Electrical Current (A)	5.9	10	5.9	6.5
Dimensions	Capacity (L)	458			568
	Net/Gross Weight (kg)	237/292	234/289	237/292	288/331
	Interior Dimension (W*D*H)mm	595*580*1310			595*720*1310
	Exterior Dimension (W*D*H)mm	885*855*1980			885*995*1980
	Packing Dimension (W*D*H)mm	980*1000*2155			980*1145*2155
	Cabinet Width (mm) (without handle and hinge)	775			
	Container Load (20'/40'/40'H)	12/24/24			
Material	Out Door	Powder Coated Cold Rolled Steel			
	Interior	SUS 304			
	Exterior	Powder Coated Cold Rolled Steel			
	Inner Doors	Foaming Door Powder Coated Cold Rolled Steel			
	Shelf	SUS 304			
Functions	High/Low Temperature Alarm	Y			
	Hot Condenser Alarm	Y			
	Power Failure Alarm	Y			
	Sensor Error Alarm	Y			
	Low Battery Alarm	Y			
	High Ambient Temperature Alarm	Y			
	Door Ajar Alarm	Y			
	Communication Failure Alarm	Y			
	Start-up Delay	Y			
Accessories	Caster	4			
	Leveling Feet	2			
	Door Lock	Standard			
	Porthole (Qty/Diameter)	2/25mm (rear side)			
	Inner Doors	4			
	Shelves Qty	3 (Adjustable)			
	Freezer Racks Quantity (2" boxes)	5*4/16			5*5/16
	Capacity (2" boxes)	320			400
	USB Interface	Standard			
	Remote Alarm Contact	Standard			
	5V Power Supply Port	Standard			
	Printer/Chart Recorder	Optional			
	RS 485 Port	Optional			
	Power Failure Backup System (alarm)	10h			
	CO_2 Backup System	Optional			
	LN_2 Backup System	Optional			

-86°C ULT Freezer Specifications

Dual Guard Series

Item	Model	MD-86L708BS	MD-86L818BS
Technical Data	Working Conditions	+10°C-+32°C	
	Cabinet Type	Upright	
	Cooling Type/Defrost Mode	Direct Cooling/Manual	
	Compressor	SECOP/Inverter*2	
	Refrigerant Gas	HC (CFC free)	
	Noise Level (dB(A))	49	51
Controller	Controller	Microprocessor	
	Display	Touch Screen	
Performance	Temperature Range	-40°C--86°C	
	Accuracy (°C)	0.1	
	Cooling Performance	-86°C	
Electrical Data	Power Supply (V/Hz)	220-240-/50/60	
	Operation Power (W)	720	
	Electrical Current (A)	8.2	9.5
Dimensions	Capacity (L)	718	838
	Net/Gross Weight (kg)	305/368	332/401
	Interior Dimension (W*D*H)mm	740*720*1310	885*720*1310
	Exterior Dimension (W*D*H)mm	1030*995*1980	1175*995*1980
	Packing Dimension (W*D*H)mm	1125*1145*2155	1270*1145*2155
	Cabinet Width (mm) (without handle and hinge)	920	1065
	Container Load (20'/40'/40'H)	10/20/20	8/18/18
Material	Out Door	Powder Coated Cold Rolled Steel	
	Interior	SUS 304	
	Exterior	Powder Coated Cold Rolled Steel	
	Inner Doors	Foaming Door Powder Coated Cold Rolled Steel	
	Shelf	SUS 304	
Functions	High/Low Temperature Alarm	Y	
	Hot Condenser Alarm	Y	
	Power Failure Alarm	Y	
	Sensor Error Alarm	Y	
	Low Battery Alarm	Y	
	High Ambient Temperature Alarm	Y	
	Door Ajar Alarm	Y	
	Communication Failure Alarm	Y	
	Start-up Delay	Y	
Accessories	Caster	4	
	Leveling Feet	2	
	Door Lock	Standard	
	Porthole (Qty/Diameter)	2/25mm (rear side)	
	Inner Doors	4	
	Shelves Qty	3 (Adjustable)	
	Freezer Racks Quantity (2" boxes)	5*5/20	5*5/24
	Capacity (2" boxes)	500	600
	USB Interface	Standard	
	Remote Alarm Contact	Standard	
	5V Power Supply Port	Standard	
	Printer/Chart Recorder	Optional	
	RS 485 Port	Optional	
	Power Failure Backup System (alarm)	10h	
	CO_2 Backup System	Optional	
	LN_2 Backup System	Optional	

-86°C ULT Freezer Specifications

Lab Guard Series

Item	Model	MD-86L108			MD-86L358		
Technical Data	Working Conditions	+10°C-+32°C					
	Cabinet Type	Upright					
	Cooling Type/Defrost Mode	Direct Cooling/Manual					
	Compressor	SECOP*Fixed Frequency*1					
	Refrigerant Gas	HC (CFC free)					
	Noise Level (dB(A))	45	46	45	50		
Controller	Controller	Microprocessor					
	Display	LED					
Performance	Temperature Range	-40°C~-86°C					
	Accuracy (°C)	0.1					
	Cooling Performance	-86°C					
Electrical Data	Power Supply (V/Hz)	220-240~/50	115~/60	220-240~/60	220-240~/50	115~/60	220-240~/60
	Operation Power (W)	420	470	420	610	670	610
	Electrical Current (A)	4.9	8	3.3	5.3	8.5	5.3
Dimensions	Capacity (L)	108			358		
	Net/Gross Weight (kg)	113/141			160/206		
	Interior Dimension (W*D*H)mm	440*435*590			450*583*1326		
	Exterior Dimension (W*D*H)mm	955*675*815			795*885*1855		
	Packing Dimension (W*D*H)mm	1040*775*995			885*1030*2035		
	Cabinet Width (mm) (without handle and hinge)	955			690		
	Container Load (20'/40'/40'H)	14/30/30			12/26/26		
Material	Out Door	Powder Coated Cold Rolled Steel					
	Interior	PCM (Pre-coated Steel)					
	Exterior	Powder Coated Cold Rolled Steel					
	Inner Doors	Foaming Door Powder Coated Cold Rolled Steel					
	Shelf	SUS 304					
Functions	High/Low Temperature Alarm	Y					
	Hot Condenser Alarm	Y					
	Power Failure Alarm	Y					
	Sensor Error Alarm	Y					
	Low Battery Alarm	Y					
	High Ambient Temperature Alarm	Y					
	Door Ajar Alarm	Y					
	Communication Failure Alarm	Y					
	Recorder Fault Alarm	Y					
	Recording Is Not Started Alarm	Y					
	Start-up Delay	Y					
Accessories	Caster	2			4		
	Leveling Feet	2			4		
	Door Lock	Standard					
	Porthole (Qty/Diameter)	1/25mm (rear side)			2/25mm (rear side)		
	Inner Doors	2					
	Shelves Qty	1 (Adjustable)			3 (Adjustable)		
	Freezer Racks Quantity (2" boxes)	5*3/6			5*4/12		
	Capacity (2" boxes)	90			240		
	USB Interface	Standard					
	Remote Alarm Contact	Standard					
	5V Power Supply Port	Standard					
	Printer/Chart Recorder	Optional					
	RS 485 Port	Optional					
	Power Failure Backup System (alarm)	44h			16h		
	CO_2 Backup System	Optional					
	LN_2 Backup System	Optional					

-86°C ULT Freezer Specifications

Lab Guard Series

Item	Model	MD-86L458			MD-86L568	
Technical Data	Working Conditions	+10°C-+32°C				
	Cabinet Type	Upright				
	Cooling Type/Defrost Mode	Direct Cooling/Manual				
	Compressor	SECOP*Fixed Frequency*1			SECOP*Fixed Frequency*2	
	Refrigerant Gas	HC (CFC free)				
	Noise Level (dB(A))	46			54	54
Controller	Controller	Microprocessor				
	Display	LED				
Performance	Temperature Range	-40°C--86°C				
	Accuracy (°C)	0.1				
	Cooling Performance	-86°C				
Electrical Data	Power Supply (V/Hz)	220-240-/50	115-/60	220-240-/60	220-240-/50	220-240-/60
	Operation Power (W)	765	900	765	1520	1350
	Electrical Current (A)	5.9	10	5.9	12	10.6
Dimensions	Capacity (L)	458			568	
	Net/Gross Weight (kg)	237/292	234/289	234/289	286/342	283/339
	Interior Dimension (W*D*H)mm	595*580*1310			595*720*1310	
	Exterior Dimension (W*D*H)mm	885*855*1980			885*995*1980	
	Packing Dimension (W*D*H)mm	980*1000*2155			980*1145*2155	
	Cabinet Width (mm) (without handle and hinge)	775				
	Container Load (20'/40'/40'H)	12/24/24				
Material	Out Door	Powder Coated Cold Rolled Steel				
	Interior	SUS 304				
	Exterior	Powder Coated Cold Rolled Steel				
	Inner Doors	Foaming Door Powder Coated Cold Rolled Steel			Foaming Door Powder Coated Cold Rolled Steel	
	Shelf	SUS 304				
Functions	High/Low Temperature Alarm	Y				
	Hot Condenser Alarm	Y				
	Power Failure Alarm	Y				
	Sensor Error Alarm	Y				
	Low Battery Alarm	Y				
	High Ambient Temperature Alarm	Y				
	Door Ajar Alarm	Y				
	Communication Failure Alarm	Y				
	Recorder Fault Alarm	Y				
	Recording Is Not Started Alarm	Y				
	Start-up Delay	Y				
Accessories	Caster	4				
	Leveling Feet	2				
	Door Lock	Standard				
	Porthole (Qty/Diameter)	2/25mm (rear side)				
	Inner Doors	4				
	Shelves Qty	3 (Adjustable)				
	Freezer Racks Quantity (2" boxes)	5*4/16			5*5/16	
	Capacity (2" boxes)	320			400	
	USB Interface	Standard				
	Remote Alarm Contact	Standard				
	5V Power Supply Port	Standard				
	Printer/Chart Recorder	Optional				
	RS 485 Port	Optional				
	Power Failure Backup System (alarm)	44h				
	CO_2 Backup System	Optional				
	LN_2 Backup System	Optional				

-86°C ULT Freezer Specifications

Lab Guard Series

Item	Model	MD-86L718	MD-86L838	
Technical Data	Working Conditions	+10°C-+32°C		
	Cabinet Type	Upright		
	Cooling Type/Defrost Mode	Direct Cooling/Manual		
	Compressor	SECOP*Fixed Frequency*2	SECOP/Inverter*2	
	Refrigerant Gas	HC (CFC free)		
	Noise Level (dB(A))	49	51	
Controller	Controller	Microprocessor	Microprocessor	
	Display	LED	LED	
Performance	Temperature Range	-40°C--86°C		
	Accuracy (°C)	0.1		
	Cooling Performance	-86°C		
Electrical Data	Power Supply (V/Hz)	220-240-/50	220-240-/50	220-/60
	Operation Power (W)	1300	720	
	Electrical Current (A)	12	9.5	
Dimensions	Capacity (L)	718	838	
	Net/Gross Weight (kg)	305/368	305/368	302/365
	Interior Dimension (W*D*H)mm	740*720*1310	885*720*1310	
	Exterior Dimension (W*D*H)mm	1030*995*1980	1175*995*1980	
	Packing Dimension (W*D*H)mm	1125*1145*2155	1270*1145*2155	
	Cabinet Width (mm) (without handle and hinge)	920	1065	
	Container Load (20'/40'/40'H)	10/20/20	8/18/18	
Material	Out Door	Powder Coated Cold Rolled Steel		
	Interior	SUS 304		
	Exterior	Powder Coated Cold Rolled Steel		
	Inner Doors	Foaming Door Powder Coated Cold Rolled Steel		
	Shelf	SUS 304		
Functions	High/Low Temperature Alarm	Y		
	Hot Condenser Alarm	Y		
	Power Failure Alarm	Y		
	Sensor Error Alarm	Y		
	Low Battery Alarm	Y		
	High Ambient Temperature Alarm	Y		
	Door Ajar Alarm	Y		
	Communication Failure Alarm	Y		
	Recorder Fault Alarm	Y		
	Recording Is Not Started Alarm	Y		
	Start-up Delay	Y		
Accessories	Caster	4		
	Leveling Feet	2		
	Door Lock	Standard		
	Porthole (Qty/Diameter)	2/25mm (rear side)		
	Inner Doors	4		
	Shelves Qty	3 (Adjustable)		
	Freezer Racks Quantity (2" boxes)	5*5/20	5*5/24	
	Capacity (2" boxes)	500	600	
	USB Interface	Standard		
	Remote Alarm Contact	Standard		
	5V Power Supply Port	Standard		
	Printer/Chart Recorder	Optional		
	RS 485 Port	Optional		
	Power Failure Backup System (alarm)	44h		
	CO_2 Backup System	Optional		
	LN_2 Backup System	Optional		

-25/-30/-40°C Biomedical Freezer Specifications

Upright Series

Item	Model	MD-25L106			MD-40L106		
Technical Data	Working Conditions	+10°C-+32°C					
	Cabinet Type	Upright					
	Cooling Type/Defrost Mode	Direct Cooling/Manual					
	Refrigerant Gas	R600a	R290	R600a	R290		
	Noise Level (dB(A))	43	50	40	51	50	51
Controller	Controller	Microprocessor					
	Display	LCD					
Performance	Temperature Range	-10°C--25°C			-20°C--40°C		
	Accuracy (°C)	0.1					
	Cooling Performance	-25°C			-40°C		
Electrical Data	Power Supply (V/Hz)	220-240-/50	115-/60	220-240-/60	220-240-/50	115-/60	220-240-/60
	Rated Power (W)	115	220	115	230	220	230
	Electrical Current (A)	0.7	2.5	0.7	2.2	2.5	2.2
Dimensions	Capacity (L)	106					
	Net/Gross Weight (kg)	39/44	43/48	40/50	43/48		
	Interior Dimension (W*D*H)mm	455*460*595					
	Exterior Dimension (W*D*H)mm	600*610*815					
	Packing Dimension (W*D*H)mm	665*675*890					
	Container Load (20'/40'/40'H)	48/108/108					
Material	Out Door	PCM (Pre-coated Steel)					
	Interior	PCM (Pre-coated Steel)					
	Exterior	PCM (Pre-coated Steel)					
Functions	High/Low Temperature Alarm	Y					
	Power Failure Alarm	Y					
	Hot Condenser Alarm	N					
	Sensor Error Alarm	Y					
	Low Battery Alarm	N					
	High Ambient Temperature Alarm	Y					
	Door Ajar Alarm	Y					
	Communication failure alarm	N					
	Recorder fault alarm	N					
	Recording is not started alarm	N					
Accessories	Caster	/					
	Leveling Feet	4					
	Door Lock	Standard					
	Porthole (Qty/Diameter mm)	1/25mm (right side)					
	USB Interface	Standard					
	Remote Alarm Contact	Standard					
	Printer/Chart Recorder	N					
	RS 485 Port	Optional					
	Power Failure Backup System (alarm)	20h					

-25/-30/-40°C Biomedical Freezer Specifications

Upright Series

Item	Model	MD-25L308			MD-40L308		
Technical Data	Working Conditions	+10°C-+32°C					
	Cabinet Type	Upright					
	Cooling Type/Defrost Mode	Direct Cooling/Manual					
	Refrigerant Gas	R290					
	Noise Level (dB(A))	46	60	48	52	60	48
Controller	Controller	Microprocessor					
	Display	LCD					
Performance	Temperature Range	-10°C--25°C			-20°C~-40°C		
	Accuracy (°C)	0.1					
	Cooling Performance	-25°C			-40°C		
Electrical Data	Power Supply (V/Hz)	220-240-/50	115-/60	220-240-/60	220-240-/50	115-/60	220-240-/60
	Rated Power (W)	210	280	260	295	280	260
	Electrical Current (A)	1.18	3	1.3	2.9	3	1.3
Dimensions	Capacity (L)	308			308		
	Net/Gross Weight (kg)	100/112	102/114	102/114	102/114		
	Interior Dimension (W*D*H)mm	540*450*1277					
	Exterior Dimension (W*D*H)mm	700*690*1920					
	Packing Dimension (W*D*H)mm	755*715*2035					
	Container Load (20'/40'/40'H)	24/48/48					
Material	Out Door	PCM (Pre-coated Steel)					
	Interior	PCM (Pre-coated Steel)					
	Exterior	PCM (Pre-coated Steel)					
Functions	High/Low Temperature Alarm	Y					
	Power Failure Alarm	Y					
	Hot Condenser Alarm	N					
	Sensor Error Alarm	Y					
	Low Battery Alarm	N					
	High Ambient Temperature Alarm	Y					
	Door Ajar Alarm	Y					
	Communication failure alarm	N					
	Recorder fault alarm	N					
	Recording is not started alarm	N					
Accessories	Caster	4					
	Leveling Feet	2					
	Door Lock	Standard					
	Porthole (Qty/Diameter mm)	1/25mm (right side)					
	USB Interface	Standard					
	Remote Alarm Contact	Standard					
	Printer/Chart Recorder	N					
	RS 485 Port	Optional					
	Power Failure Backup System (alarm)	20h					

-25/-30/-40°C Biomedical Freezer Specifications

Upright Series

Item	Model	MD-25L518			MD-40L518		
Technical Data	Working Conditions	+10°C-+32°C					
	Cabinet Type	Upright					
	Cooling Type/Defrost Mode	Direct Cooling/Manual					
	Refrigerant Gas	R290					
	Noise Level (dB(A))	58	65	54	58	65	54
Controller	Controller	Microprocessor					
	Display	LED					
Performance	Temperature Range	-10°C--25°C			-20°C--40°C		
	Accuracy (°C)	0.1					
	Cooling Performance	-25°C			-40°C		
Electrical Data	Power Supply (V/Hz)	220-240-/50	115-/60	220-240-/60	220-240-/50	115-/60	220-240-/60
	Rated Power (W)	450					
	Electrical Current (A)	5	5.1	4	5	5.1	4
Dimensions	Capacity (L)	518					
	Net/Gross Weight (kg)	149/170					
	Interior Dimension (W*D*H)mm	Top Room: 680*620*650 Bottom Room: 680*620*650					
	Exterior Dimension (W*D*H)mm	866*811*1920					
	Packing Dimension (W*D*H)mm	905*835*2040					
	Container Load (20'/40'/40'H)	14/28/28					
Material	Out Door	Powder Coated Cold Rolled Steel					
	Interior	PCM (Pre-coated Steel)					
	Exterior	PCM (Pre-coated Steel)					
Functions	High/Low Temperature Alarm	Y					
	Power Failure Alarm	Y					
	Hot Condenser Alarm	N					
	Sensor Error Alarm	Y					
	Low Battery Alarm	Y					
	High Ambient Temperature Alarm	Y					
	Door Ajar Alarm	Y					
	Communication failure alarm	Y					
	Recorder fault alarm	Y					
	Recording is not started alarm	Y					
Accessories	Caster	4					
	Leveling Feet	2					
	Door Lock	Standard					
	Porthole (Qty/Diameter mm)	2/25mm (right side)					
	USB Interface	Standard					
	Remote Alarm Contact	Standard					
	Printer/Chart Recorder	Optional					
	RS 485 Port	Optional					
	Power Failure Backup System (alarm)	16h					

-25/-30/-40°C Biomedical Freezer Specifications

Upright Series

Item	Model	MD-30L850B	MD-40L850B
Technical Data	Working Conditions	+10°C-+32°C	
	Cabinet Type	Upright	
	Cooling Type/Defrost Mode	Direct Cooling/Manual	
	Refrigerant Gas	R290	
	Noise Level (dB(A))	65	
Controller	Controller	Microprocessor	
	Display	LED	
Performance	Temperature Range	-10°C--30°C	-20°C--40°C
	Accuracy (°C)	0.1	
	Cooling Performance	-30°C	-40°C
Electrical Data	Power Supply (V/Hz)	220-240-/50/60	
	Rated Power (W)	700	
	Electrical Current (A)	3.3	
Dimensions	Capacity (L)	850	
	Net/Gross Weight (kg)	239/308	
	Interior Dimension (W*D*H)mm	885*720*1310	
	Exterior Dimension (W*D*H)mm	1175*995*1980	
	Packing Dimension (W*D*H)mm	1270*1145*2155	
	Container Load (20'/40'/40'H)	8/18/18	
Material	Out Door	Powder Coated Cold Rolled Steel	
	Interior	SUS 304	
	Exterior	Powder Coated Cold Rolled Steel	
Functions	High/Low Temperature Alarm	Y	
	Power Failure Alarm	Y	
	Hot Condenser Alarm	Y	
	Sensor Error Alarm	Y	
	Low Battery Alarm	Y	
	High Ambient Temperature Alarm	Y	
	Door Ajar Alarm	Y	
	Communication failure alarm	Y	
	Recorder fault alarm	Y	
	Recording is not started alarm	Y	
Accessories	Caster	4	
	Leveling Feet	2	
	Door Lock	Standard	
	Porthole (Qty/Diameter mm)	2/25mm (right side)	
	USB Interface	Standard	
	Remote Alarm Contact	Standard	
	Printer/Chart Recorder	Optional	
	RS 485 Port	Optional	
	Power Failure Backup System (alarm)	44h	

-25/-30/-40°C Biomedical Freezer Specifications

Chest Series

Item	Model	MD-25W368	MD-25W568	MD-40W368
Technical Data	Working Conditions	+10°C-+32°C		
	Cabinet Type	Chest		
	Cooling Type/Defrost Mode	Direct Cooling/Manual		
	Refrigerant Gas	R290		
	Noise Level (dB(A))	48	58	48
Controller	Controller	Microprocessor		
	Display	LCD		
Performance	Temperature Range	-10°C--25°C		-20°C--40°C
	Accuracy (°C)	0.1		
	Cooling Performance	-25°C		-40°C
Electrical Data	Power Supply (V/Hz)	220-240~/50		
	Rated Power (W)	350	400	450
	Electrical Current (A)	1.1	2	2.5
Dimensions	Capacity (L)	368	568	368
	Net/Gross Weight (kg)	50/57	75/88	55/62
	Interior Dimension (W*D*H)mm	870*550*648 230*550*428	1479*550*625 230*550*405	870*550*648 230*550*428
	Exterior Dimension (W*D*H)mm	1255*745*853	1870*745*865	1255*745*853
	Packing Dimension (W*D*H)mm	1340*800*920	1955*815*915	1340*800*920
	Container Load (40'H)	77	50	77
Material	Out Door	PCM (Pre-coated Steel)		
	Interior	PCM (Pre-coated Steel)		
	Exterior	PCM (Pre-coated Steel)		
Functions	High/Low Temperature Alarm	Y		
	Power Failure Alarm	Y		
	Sensor Error Alarm	Y		
Accessories	Caster	4	6 (two breakers)	4
	Door Lock	Standard		
	USB Interface	Standard		
	Power Failure Backup System (alarm)	24h		

2-8°C Pharmacy Refrigerator Specifications

Dura Series

Item	Model	MC-5L42		MC-5L126		
Technical Data	Climate Class	N				
	Cabinet Type	Upright				
	Cooling Type/Defrost Mode	Forced Air Cooling/Auto				
	Compressor Type	Fixed Frequency				
	Refrigerant Gas	R600a				
	Noise Level (dB(A))	45				
Controller	Controller	Microprocessor				
	Display	LED				
Performance	Top Cooling Technology	N				
	Temperature Range	2°C-8°C				
	Accuracy (°C)	0.1				
	Fluctuation (°C)	≤3		≤2		
	Uniformity (°C)	±1				
Electrical Data	Sensor Type	NTC				
	Power Supply (V/Hz)	220-240~/50	115~/60	220-240~/50	115~/60	220-240~/60
	Rated Power (W)	100	150	100	160	120
	Electrical Current (A)	0.75	1.5	1	2	1
Dimensions	Capacity (L)	42		126		
	Net/Gross Weight (kg)	23/25		43/48		
	Interior Dimension (W*D*H)mm	380*300*410		505*467*620		
	Exterior Dimension (W*D*H)mm	450*459*569.5		595*615*810		
	Packing Dimension (W*D*H)mm	515*515*605		665*675*890		
	Container Load (20'/40'/40'H)	120/264/352		48/102/102		
Material	Out Door	LOW-E Glass Door		Electrical Heating Glass Door		
	Interior	HIPS (Polystyrene)		PCM (Pre-coated Steel)		
	Exterior	PCM (Pre-coated Steel)				
	Shelves Material	Steel Wire, Coated With Plastic				
Functions	High/Low Temperature Alarm	Y				
	Power Failure Alarm	Y				
	Sensor Error Alarm	Y				
	Low Battery Alarm	Y		N		
	High Ambient Temperature Alarm	Y				
	Door Ajar Alarm	Y				
	Communication Failure Alarm	Y		N		
	Recorder Fault Alarm	Y		N		
	Recording Is Not Started Alarm	Y		N		
	Max And Min Temperature Check	Y				
	Dual Display (temperature & humidity)	N				
Accessories	Inner Light	LED Light				
	Caster	/				
	Leveling Feet	4				
	Door Lock	Standard				
	Shelves/Drawers	1/1		3/-		
	Porthole (Qty/Diameter mm)	1/25mm (right side)				
	USB Interface	Standard				
	Remote Alarm Contact	Standard				
	Printer	N				
	RS 485 Port	Optional				
	Power Failure Backup System (alarm)	16h		20h		

2-8°C Pharmacy Refrigerator Specifications

Dura Series

Item	Model	MC-5L316B	MC-5L316		
Technical Data	Climate Class	N			
	Cabinet Type	Upright			
	Cooling Type/Defrost Mode	Forced Air Cooling/Auto			
	Compressor Type	Fixed Frequency			
	Refrigerant Gas	R600a			
	Noise Level (dB(A))	45	52	60	52
Controller	Controller	Microprocessor			
	Display	LED			
Performance	Top Cooling Technology	Y			
	Temperature Range	2°C~8°C			
	Accuracy (°C)	0.1			
	Fluctuation (°C)	≤2			
	Uniformity (°C)	±1			
Electrical Data	Sensor Type	NTC			
	Power Supply (V/Hz)	220-240~/50	220-240~/50	115~/60	220-240~/60
	Rated Power (W)	190	190	190	190
	Electrical Current (A)	1.5	1.5	2.5	1.5
Dimensions	Capacity (L)	316	316		
	Net/Gross Weight (kg)	68/76	72/81	72/81	72/81
	Interior Dimension (W*D*H)mm	500*464*1343			
	Exterior Dimension (W*D*H)mm	595*603*1920			
	Packing Dimension (W*D*H)mm	660*665*2025			
	Container Load (20'/40'/40'H)	24/51 /51			
Material	Out Door	Electrical Heating Glass Door			
	Interior	HIPS (Polystyrene)			
	Exterior	PCM (Pre-coated Steel)			
	Shelves Material	Steel Wire, Coated With Plastic			
Functions	High/Low Temperature Alarm	Y			
	Power Failure Alarm	N	Y		
	Sensor Error Alarm	Y			
	Low Battery Alarm	N	Y		
	High Ambient Temperature Alarm	Y			
	Door Ajar Alarm	Y			
	Communication Failure Alarm	N	Y		
	Recorder Fault Alarm	N	Y		
	Recording Is Not Started Alarm	N	Y		
	Max And Min Temperature Check	Y			
	Dual Display (temperature & humidity)	N	Y		
Accessories	Inner Light	LED Light			
	Caster	4			
	Leveling Feet	/			
	Door Lock	Standard			
	Shelves/Drawers	5/-			
	Porthole (Qty/Diameter mm)	1/25mm (right side)			
	USB Interface	N	Standard		
	Remote Alarm Contact	N	Standard		
	Printer	N	Optional		
	RS 485 Port	N	Optional		
	Power Failure Backup System (alarm)	N	16h		

2-8°C Pharmacy Refrigerator Specifications

Dura Pro Series

Item	Model	MC-5L416		MC-5L416C
Technical Data	Climate Class	N		
	Cabinet Type	Upright		
	Cooling Type/Defrost Mode	Forced Air Cooling/Auto		
	Compressor Type	Inverter		
	Refrigerant Gas	R600a		
	Noise Level (dB(A))	55	60	55
Controller	Controller	Microprocessor		
	Display	LED		
Performance	Top Cooling Technology	Y		
	Temperature Range	2°C-8°C		
	Accuracy (°C)	0.1		
	Fluctuation (°C)	≤2		
	Uniformity (°C)	±1		
Electrical Data	Sensor Type	NTC		
	Power Supply (V/Hz)	220-240~/50/60	115~/60	220-240~/50/60
	Rated Power (W)	260	260	260
	Electrical Current (A)	1.7	3	1.7
Dimensions	Capacity (L)	416		416
	Net/Gross Weight (kg)	88/97		77/86
	Interior Dimension (W*D*H)mm	595*514*1343		
	Exterior Dimension (W*D*H)mm	690*653*1920		
	Packing Dimension (W*D*H)mm	755*715*2025		
	Container Load (20'/40'/40'H)	1 4/32/32		
Material	Out Door	Electrical Heating Glass Door		Solid Door(Foaming)
	Interior	HIPS (Polystyrene)		
	Exterior	PCM (Pre-coated Steel)		
	Shelves Material	Steel Wire, Coated With Plastic		
Functions	High/Low Temperature Alarm	Y		
	Power Failure Alarm	Y		
	Sensor Error Alarm	Y		
	Low Battery Alarm	Y		
	High Ambient Temperature Alarm	Y		
	Door Ajar Alarm	Y		
	Communication Failure Alarm	Y		
	Recorder Fault Alarm	Y		
	Recording Is Not Started Alarm	Y		
	Max And Min Temperature Check	Y		
	Dual Display (temperature & humidity)	Y		
Accessories	Inner Light	LED Light		
	Caster	4		
	Leveling Feet	2		
	Door Lock	Standard		
	Shelves/Drawers	5/-		
	Porthole (Qty/Diameter mm)	1/25mm (right side)		
	USB Interface	Standard		
	Remote Alarm Contact	Standard		
	Printer	Optional		
	RS 485 Port	Optional		
	Power Failure Backup System (alarm)	16h		

2-8°C Pharmacy Refrigerator Specifications

Dura Pro Series

Item	Model	MC-5L606		MC-5L756	
Technical Data	Climate Class	N			
	Cabinet Type	Upright			
	Cooling Type/Defrost Mode	Forced Air Cooling/Auto			
	Compressor Type	Inverter			
	Refrigerant Gas	R600a			
	Noise Level (dB(A))	55		58	
Controller	Controller	Microprocessor			
	Display	LED			
Performance	Top Cooling Technology	Y			
	Temperature Range	2°C-8°C			
	Accuracy (°C)	0.1			
	Fluctuation (°C)	≤2			
	Uniformity (°C)	±1			
Electrical Data	Sensor Type	NTC			
	Power Supply (V/Hz)	220-240~/50/60	115~/60	220-240~/50/60	115~/60
	Rated Power (W)	360	360	320	320
	Electrical Current (A)	2.2	4	2	3.6
Dimensions	Capacity (L)	606		756	
	Net/Gross Weight (kg)	116/138		140/161	
	Interior Dimension (W*D*H)mm	660*590*1560		880*634*1354	
	Exterior Dimension (W*D*H)mm	760*825*1925		970*808*1920	
	Packing Dimension (W*D*H)mm	830*835*2085		1050*835*2085	
	Container Load (20'/40'/40'H)	12/28/28			
Material	Out Door	Electrical Heating Glass Door			
	Interior	PCM (Pre-coated Steel)			
	Exterior	PCM (Pre-coated Steel)			
	Shelves Material	Steel Wire, Coated With Plastic			
Functions	High/Low Temperature Alarm	Y			
	Power Failure Alarm	Y			
	Sensor Error Alarm	Y			
	Low Battery Alarm	Y			
	High Ambient Temperature Alarm	Y			
	Door Ajar Alarm	Y			
	Communication Failure Alarm	Y			
	Recorder Fault Alarm	Y			
	Recording Is Not Started Alarm	Y			
	Max And Min Temperature Check	Y			
	Dual Display (temperature & humidity)	Y			
Accessories	Inner Light	LED Light			
	Caster	4			
	Leveling Feet	2			
	Door Lock	Standard			
	Shelves/Drawers	6/-		10/-	
	Porthole (Qty/Diameter mm)	1/25mm (right side)			
	USB Interface	Standard			
	Remote Alarm Contact	Standard			
	Printer	Optional			
	RS 485 Port	Optional			
	Power Failure Backup System (alarm)	16h			

2-8°C Pharmacy Refrigerator Specifications

Dura Pro Series

Item	Model	MC-5L1006		MC-5L1006C
Technical Data	Climate Class	N		
	Cabinet Type	Upright		
	Cooling Type/Defrost Mode	Forced Air Cooling/Auto		
	Compressor Type	Inverter		
	Refrigerant Gas	R600a		
	Noise Level (dB(A))	60		
Controller	Controller	Microprocessor		
	Display	LED		
Performance	Top Cooling Technology	Y		
	Temperature Range	2°C-8°C		
	Accuracy (°C)	0.1		
	Fluctuation (°C)	≤2		
	Uniformity (°C)	±1		
Electrical Data	Sensor Type	NTC		
	Power Supply (V/Hz)	220-240-/50/60	115-/60	220-240-/50/60
	Rated Power (W)	380	380	380
	Electrical Current (A)	2.4	4	2.4
Dimensions	Capacity (L)	1006		1006
	Net/Gross Weight (kg)	160/184		140/166
	Interior Dimension (W*D*H)mm	1130*634*1354		
	Exterior Dimension (W*D*H)mm	1220*808*1920		
	Packing Dimension (W*D*H)mm	1300*835*2085		
	Container Load (20'/40'/40'H)	6/1 8/1 8		
Material	Out Door	Electrical Heating Glass Door		Solid Door(Foaming)
	Interior	PCM (Pre-coated Steel)		
	Exterior	PCM (Pre-coated Steel)		
	Shelves Material	Steel Wire, Coated With Plastic		
Functions	High/Low Temperature Alarm	Y		
	Power Failure Alarm	Y		
	Sensor Error Alarm	Y		
	Low Battery Alarm	Y		
	High Ambient Temperature Alarm	Y		
	Door Ajar Alarm	Y		
	Communication Failure Alarm	Y		
	Recorder Fault Alarm	Y		
	Recording Is Not Started Alarm	Y		
	Max And Min Temperature Check	Y		
	Dual Display (temperature & humidity)	Y		
Accessories	Inner Light	LED Light		
	Caster	4		
	Leveling Feet	2		
	Door Lock	Standard		
	Shelves/Drawers	10/-		
	Porthole (Qty/Diameter mm)	1/25mm (right side)		
	USB Interface	Standard		
	Remote Alarm Contact	Standard		
	Printer	Optional		
	RS 485 Port	Optional		
	Power Failure Backup System (alarm)	16h		

2-8°C Pharmacy Refrigerator Specifications

Dual X Series

Item	Model	MC-5L1366B
Technical Data	Climate Class	N
	Cabinet Type	Upright
	Cooling Type/Defrost Mode	Forced Air Cooling/Auto
	Compressor	Inverter*2 (independent system)
	Refrigerant Gas	R600a
	Noise Level (dB(A))	35
Controller	Controller	Microprocessor
	Display	LED
Performance	Top Cooling Technology	Y
	Temperature Range	2°C-8°C
	Accuracy (°C)	0.1
	Fluctuation (°C)	≤3
	Uniformity (°C)	±1
Electrical Data	Sensor Type	NTC
	Power Supply (V/Hz)	220-240-/50/60
	Rated Power (W)	750
	Electrical Current (A)	4.7
Dimensions	Capacity (L)	1366
	Net/Gross Weight (kg)	227/271
	Interior Dimension (W*D*H)mm	1410*660*1540
	Exterior Dimension (W*D*H)mm	1500*895*1925
	Packing Dimension (W*D*H)mm	1570*885*2080
	Container Load (20'/40'/40'H)	6/18/18
Material	Out Door	Electrical Heating Glass Door
	Interior	SUS 304
	Exterior	PCM (Pre-coated Steel)
	Shelves Material	Steel Wire, Coated With Plastic
Functions	High/Low Temperature Alarm	Y
	Power Failure Alarm	Y
	Sensor Error Alarm	Y
	Low Battery Alarm	Y
	High Ambient Temperature Alarm	Y
	Door Ajar Alarm	Y
	Communication Failure Alarm	Y
	System Failure	Y
	Max and Min Temperature Check	Y
	Dual Display (temperature & humidity)	Y
Accessories	Inner Light	LED Light
	Caster	5
	Leveling Feet	2
	Door Lock	Standard
	Shelves/Drawers	12/-
	Porthole (Qty/Diameter mm)	2/25mm (right side)
	USB Interface	Standard
	Remote Alarm Contact	Standard
	Printer	N
	RS 485 Port	Optional
	Power Failure Backup System (alarm)	40h

4°C Blood Bank Refrigerator Specifications

Blood Bank Refrigerator

Item	Model	MXY-558
Technical Data	Climate Class	N (16°C-32°C)
	Cabinet Type	Upright
	Cooling Type/Defrost Mode	Forced Air Cooling/Auto
	Compressor Type	Inverter
	Refrigerant Gas	R600a
	Noise Level (dB(A))	50
Controller	Controller	Microprocessor
	Display	LED
Performance	Top Cooling Technology	Y
	Temperature Range	4°C
	Accuracy (°C)	0.1
	Fluctuation (°C)	≤2
	Uniformity (°C)	±1
Electrical Data	Sensor Type	NTC
	Power Supply (V/Hz)	220-240-/50/60
	Rated Power (W)	320
	Electrical Current (A)	2
Dimensions	Capacity (L)	558
	Net/Gross Weight (kg)	170/192
	Blood Storage Capacity (450ml Blood Bags)	336
	Interior Dimension (W*D*H)mm	660*590*1560
	Exterior Dimension (W*D*H)mm	760*825*1925
	Packing Dimension (W*D*H)mm	830*835*2085
	Container Load (20'/40'/40'H)	14/28/28
Material	Out Door	Solid Door With Galss Window (Foaming)
	Interior	SUS 304
	Exterior	PCM (Pre-coated Steel)
	Drawers Material	SUS 304
Functions	High/Low Temperature Alarm	Y
	Power Failure Alarm	Y
	Sensor Error Alarm	Y
	Low Battery Alarm	Y
	High Ambient Temperature Alarm	Y
	Door Ajar Alarm	Y
	Communication Failure Alarm	Y
	Recorder Fault Alarm	Y
	Recording Is Not Started Alarm	Y
	Max and Min Temperature Check	Y
	Dual Display (temperature & humidity)	Y
Accessories	Inner Light	LED Light
	Caster	4
	Leveling Feet	2
	Inner Doors	4
	Door Lock	Standard
	Shelves/Drawers	-/6
	Porthole (Qty/Diameter mm)	1/25mm (right side)
	USB Interface	Standard
	Remote Alarm Contact	Standard
	Printer	Optional
	RS 485 Port	Optional
	Power Failure Backup System (alarm)	16h

Combined Refrigerator & Freezer Specifications

Combined Series

Item	Model	MCD-25L350			MCD-40L350		
Technical Data	Working Conditions	+10°C-+32°C					
	Cabinet Type	Upright					
	Cooling Type	Top Room: Forced Air Cooling Bottom Room: Direct Cooling					
	Defrost Mode	Top Room: Auto Bottom Room: Manual					
	Refrigerant Gas	Fridge: R600a					
		Freezer: R600a			Freezer: R290		
	Noise Level (dB(A))	45			50		
Controller	Controller	Microprocessor			Microprocessor		
	Display	LED			LED		
Performance	Temperature Range	Fridge: 2°C~8°C			Fridge: 2°C~8°C		
		Freezer: -10°C~-25°C			Freezer: -10°C~-40°C		
	Accuracy (°C)	0.1					
Electrical Data	Power Supply (V/Hz)	220-240~/50	115~/60	220-240~/60	220-240~/50	115~/60	220-240~/60
	Rated Power (W)	160			350		
	Electrical Current (A)	1.8			3.2	3.8	2
Dimensions	Capacity (L)	Fridge: 206					
		Freezer: 144					
		Total Volume: 350					
	Net/Gross Weight (kg)	106/118	103/113	106/118	109/121		
	Interior Dimension (W*D*H)mm	Fridge: 600*505*690					
		Freezer: 540*480*560					
	Exterior Dimension (W*D*H)mm	695*655*1920					
	Packing Dimension (W*D*H)mm	755*715*2025					
	Container Load (20'/40'/40'H)	24/48/48					
Material	Out Door	Powder Coated Cold Rolled Steel					
	Interior	PCM (Pre-coated Steel)					
	Exterior	PCM (Pre-coated Steel)					
Functions	High/Low Temperature Alarm	Y					
	Power Failure Alarm	Y					
	Sensor Error Alarm	Y					
	Low Battery Alarm	Y					
	High Ambient Temperature Alarm	Y					
	Door Ajar Alarm	Y					
	Communication Failure Alarm	Y					
	Recorder Fault Alarm	Y					
	Recorder Is Not Started Alarm	Y					
	Closing One Room Separately	Y					
Accessories	Caster	4					
	Leveling Feet	2					
	Door Lock	Standard					
	Porthole (Qty/Diameter mm)	2/25mm (right side)					
	USB Interface	Standard					
	Remote Alarm Contact	Standard					
	Printer	Optional					
	RS 485 Port	Optional					
	Power Failure Backup System (alarm)	16h					

Combined Refrigerator & Freezer Specifications

Combined Series

Item	Model	MCD-25L506			MCD-40L506		
Technical Data	Working Conditions	+10°C-+32°C					
	Cabinet Type	Upright					
	Cooling Type	Top Room: Forced Air Cooling Bottom Room: Direct Cooling					
	Defrost Mode	Top Room: Auto Bottom Room: Manual					
	Refrigerant Gas	Fridge: R600a					
		Freezer: R290					
	Noise Level (dB(A))	50	58	48	50	58	48
Controller	Controller	Microprocessor					
	Display	LED					
Performance	Temperature Range	Fridge: 2°C-8°C					
		Freezer: -10°C--25°C			Freezer: -10°C--40°C		
	Accuracy (°C)	0.1					
Electrical Data	Power Supply (V/Hz)	220-240-/50	115-/60	220-240-/60	220-240-/50	115-/60	220-240-/60
	Rated Power (W)	340	320		340	320	
	Electrical Current (A)	3	4	2	3	4	2
Dimensions	Capacity (L)	Fridge:247					
		Freezer: 259					
		Total Volume: 506					
	Net/Gross Weight (kg)	141/163	140/163		141/163	140/163	
	Interior Dimension (W*D*H)mm	Fridge: 680*596*630					
		Freezer: 680*620*650					
	Exterior Dimension (W*D*H)mm	866*811*1920					
	Packing Dimension (W*D*H)mm	905*835*2040					
	Container Load (20'/40'/40'H)	14/28/28					
Material	Out Door	Powder Coated Cold Rolled Steel					
	Interior	PCM (Pre-coated Steel)					
	Exterior	PCM (Pre-coated Steel)					
Functions	High/Low Temperature Alarm	Y					
	Power Failure Alarm	Y					
	Sensor Error Alarm	Y					
	Low Battery Alarm	Y					
	High Ambient Temperature Alarm	Y					
	Door Ajar Alarm	Y					
	Communication Failure Alarm	Y					
	Recorder Fault Alarm	Y					
	Recorder Is Not Started Alarm	Y					
	Closing One Room Separately	Y					
Accessories	Caster	4					
	Leveling Feet	2					
	Door Lock	Standard					
	Porthole (Qty/Diameter mm)	2/25mm (right side)					
	USB Interface	Standard					
	Remote Alarm Contact	Standard					
	Printer	Optional					
	RS 485 Port	Optional					
	Power Failure Backup System (alarm)	16h					

The parameters may be different from specification sheet due to the products ugradation.

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