

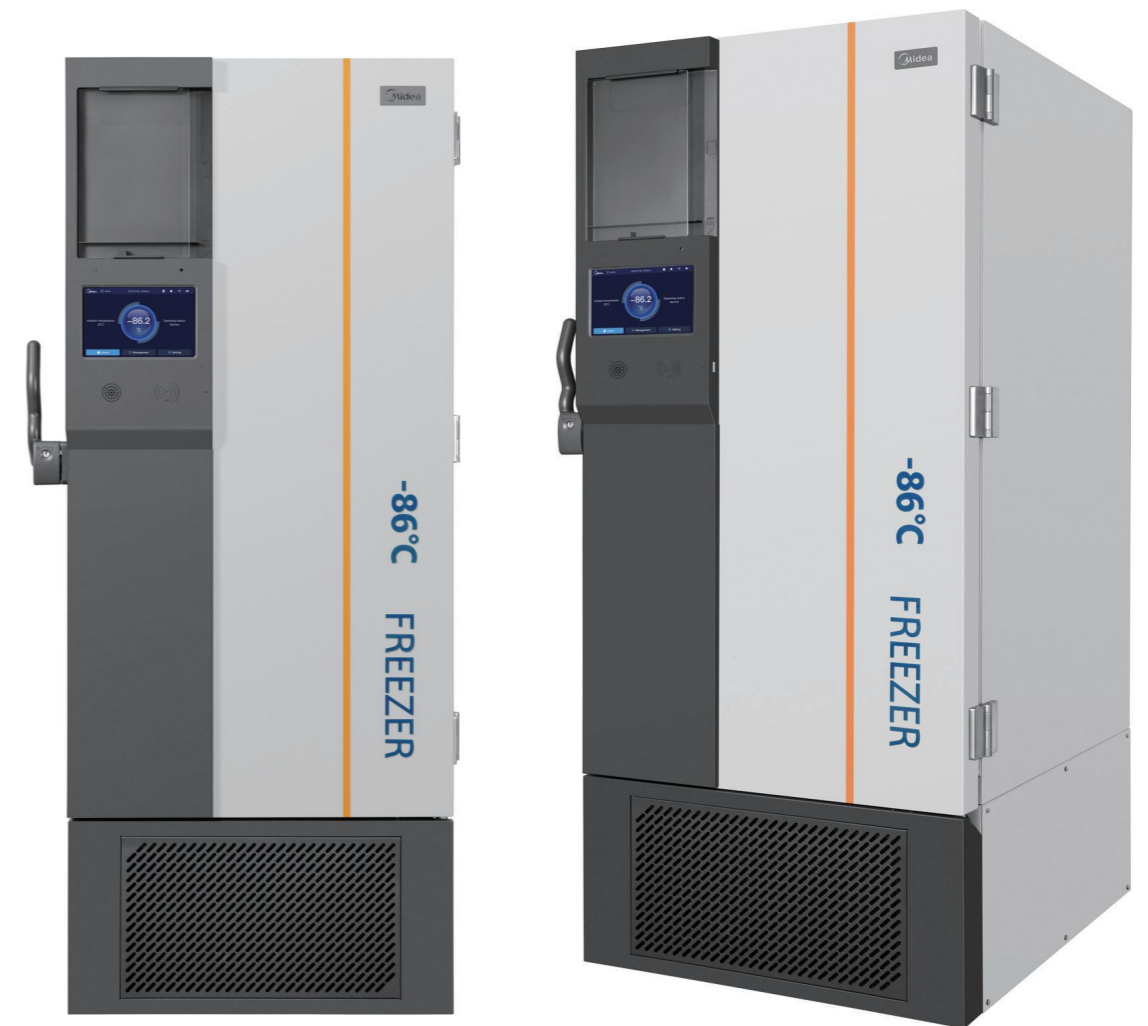
Smart-Inverter ULT Freezer



Smart-Inverter ULT Freezer

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-86L568BS

MD-86L708BS

Smart-Inverter ULT Freezer

Smarter by Design

Midea Smart-Inverter ULT Freezer are designed to be energy saving. The control system automatically tunes the speed of the compressors to optimize the operation.



Smart-Inverter Technology

Variable speed compressors that work together to regulate temperature, the compressors will work based on the loads and inter change fluctuation. The control system automatically tunes the speed of the compressors to optimize the operation.



Low Energy Consumption

Smart-Inverter freezer coupled with environmentally safe and friendly hydrocarbon refrigeration system, allows the freezers to operate at a low level of energy consumption.



High Temperature Stability

The innovative control algorithm balances the effects of temperature loss with the unique frequency conversion refrigeration system, ensuring the cabinet temperature stability.



Active ECO Technology

Midea active ECO technology can significantly reduce energy consumption and maintain good interior temperature uniformity at the same time.

Smart-Inverter ULT Freezer



MD-86L568BS

1 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.



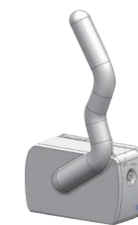
2 LCD Touch Screen

Visual management, real time display inner temperature, alarms, temperature curves and other data.



3 Ingenious Handle Design

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



4 Maximum Samples Storage

Optimized dimension design provides maximum inner space for 40,000.pcs 2ml vial.

5 USB Interface

Enables users to download historical temperature data for compliance/auditing purposes.

6 Relief Ports

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

Explore Touch Screen

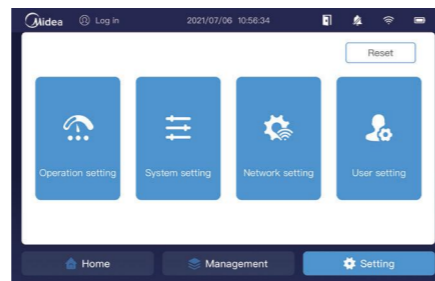


10.1" LCD Touch Screen

Global integrated Experience unparalleled convenience with midea easy-to-use interface, featuring a state-of-the-art 10.1" TFT Touch Screen. Take command of precise temperature control effortlessly, ensuring optimal storage conditions for even the most sensitive materials. cold chain solutions supplier

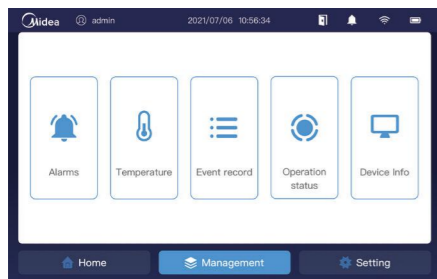
Multi Visual management

Immerse yourself in comprehensive visual management with Multi Visual system, empowering you to monitor temperature, and alarms in real-time. Effortlessly ensure sample integrity and regulatory compliance as you access detailed data and trends with ease.



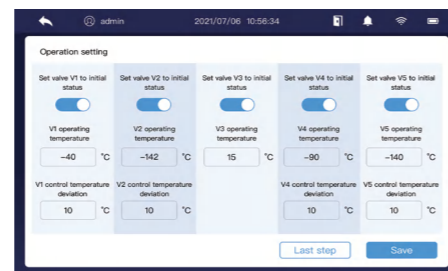
Convenience settings

Simplify your laboratory workflow with ULT Freezer's convenient settings feature. Effortlessly configure parameters using the large, intuitive touchscreen interface, streamlining operation for users of all levels, ensuring efficient management of your valuable samples. Whether adjusting temperature thresholds or setting alarms.



Precise Sample Safety

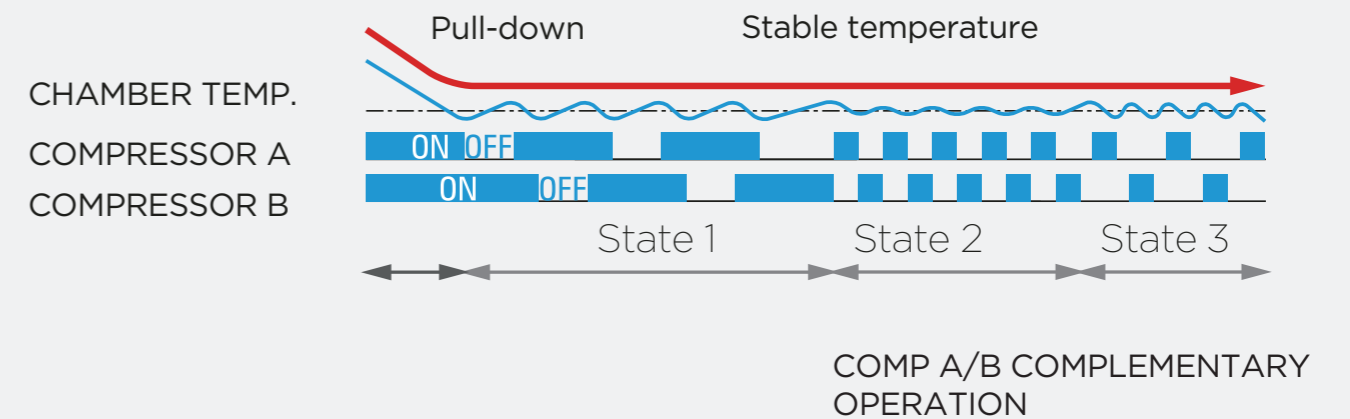
Ensure the utmost safety and security for samples with 10.1" TFT Touch Screen feature. Experience unparalleled control and visibility as you monitor and adjust temperature settings with precision. Rest easy knowing that your valuable samples are safeguarded against temperature fluctuations and environmental changes.



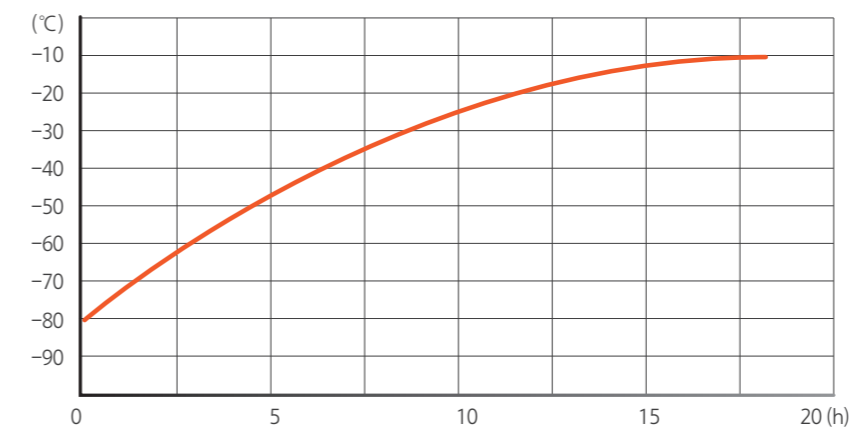
Discover Midea Active ECO Technology

Midea Active ECO Technology is applied to all Midea Dual Guard ULT freezer, which means all the products default to run in ECO mode. Based on ECO technology, the compressors performance based on the loads or temperature change.

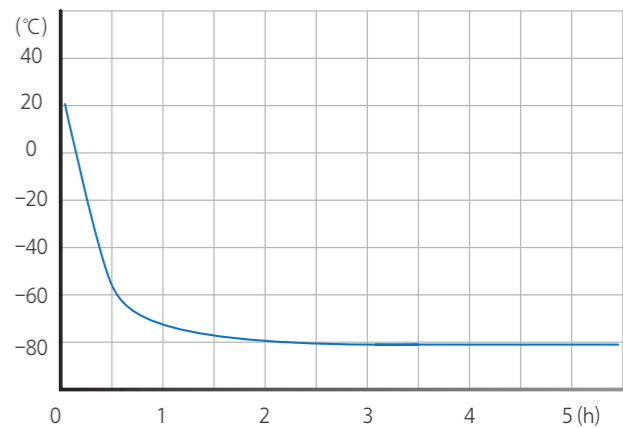
The control system automatically tunes the speed of the compressors to optimize the operation. So, Midea Active ECO Technology can significantly reduce energy consumption while maintaining good interior temperature uniformity.



Temperature recover curve



Temperature cool down curve



MD-86L568BS

	Product Image					
Item	Model	MD-86L568BS	MD-86L708BS	MD-86L838	MD-86L818BS	MD-86L838T
Data	Cabinet Type	Upright	Upright	Upright	Upright	Upright
	Climate Class	N	N	N	N	N
	Sound Level(dB)	54	49	51	51	51
	Defrost Type	Manual	Manual	Manual	Manual	Manual
	Cooling System	Twin Cooling	Twin Cooling	Twin Cooling	Twin Cooling	Twin Cooling
	Refrigerant	Mix Refrigerant	Mix Refrigerant	Mix Refrigerant	Mix Refrigerant	Mix Refrigerant
	Capacity(L/Cu.Ft)	568/20.06	718/25.36	838/29.59	838/29.59	838/29.59
	2ml Cryo Tube Qty	40000	50000	60000	60000	60000
	External Material	High Quality Coated Steel	High Quality Coated Steel	High Quality Coated Steel	High Quality Coated Steel	High Quality Coated Steel
Inner Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	
Control	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display panel	10.1 "LCD touch Display(TFT)	10.1 "LCD touch Display(TFT)	LED	10.1 "LCD touch Display(TFT)	10.1 "LCD touch Display
	Temperature Accuracy(°C)	0.1	0.1	0.1	0.1	0.1
	Temperature Range(°C)	-40--86	-40--86	-40--86	-40--86	-40--86
Dimensions	Product Dimensions(mm)(w*d*h)	885*995*1980	1030*995*1980	1175*995*1980	1175*995*1980	1175*995*1980
	Inerior Dimensions(mm)(w*d*h)	595*720*1310	740*720*1310	885*720*1310	885*720*1310	885*720*1310
	Load Capacity(40HQ)	24	20	18	18	18
	Net/Gross Weight(kg)	/ 286/342	/ 305/368	/ 332/401	/ 332/401	/ 332/401
Electrical Date	Power Supply	115~V/60Hz 220-240~V/50Hz	115~V/60Hz 220-240~V/50Hz	115~V/60Hz 220-240~V/50Hz	115~V/60Hz 220-240~V/50Hz	115~V/60Hz 220-240~V/50Hz
	Rated Current	/ 8.2A	/ 8.2A	/ 9.5A	/ 9.5A	/ 9.5A
	Rated Power	/ 720W	/ 1300W	/ 720W	/ 720W	/ 720W
Functions	High Temperature Alarm	Y	Y	Y	Y	Y
	Low Temperature Alarm	Y	Y	Y	Y	Y
	Door Ajar	Y	Y	Y	Y	Y
	Power Failure Alarm	Y	Y	Y	Y	Y
	High Condenser Temperature Alarm	Y	Y	Y	Y	Y
	High Ambient Temperature Alarm	Y	Y	Y	Y	Y
	Low Battery Alarm	Y	Y	Y	Y	Y
	Backup Battery Endurance(h)	15	15	52	15	15
	Sensor Failure Alarm	Y	Y	Y	Y	Y
	UBS funtion	Y	Y	Y	Y	Y
	Frame anti-condensation	Y	Y	Y	Y	Y
	RS-458 Port	Optional	Optional	Optional	Optional	Optional
	Remote Alarm	Y	Y	Y	Y	Y
	5V power supply	Y	Y	Y	Y	Y
Universal Wheel	Y	Y	Y	Y	Y	
leveling feet	Y	Y	Y	Y	Y	

Dual Guard ULT Freezer

Scope of Application

Midea Dual 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.



Dual Guard ULT Freezer



MD-86L568T



MD-86L718T

Dual Guard ULT Freezer

Safer by Design

Midea Dual Guard ULT freezers are designed to offer the highest level of security for high-value samples. Using two independent refrigeration systems, if one system fails, the other can maintain the freezer's temperature uniformly in the -80°C range.



World-famous Components

The compressor and fan are using world-famous brands, and imported from Germany and America directly. Lifespan increase up to 20%.



Multifunction Alarms

Include high, low temperature, sensor error, power failure, high ambient, door ajar, door open alarm, low battery alarm etc.



Superior Temperature Uniformity

Superior temperature uniformity greatly reduce risk of sample degradation caused by temperature fluctuation.



Fast Cabinet Pull Down

Usually takes an average of three hours to reach -81°C at 25°C ambient. The faster pull down, the safer for the samples.



Patented LBA Forming Technology

Midea patented forming agent can provide the highest density cabinet, the Space utilization increase 10%.

Dual Guard ULT Freezer



1 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.



2 Multi-level Alarms

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

3 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.



4 Stainless Steel Cabinet

Abrasive and corrosion resistance, easy clean.

5 VIP PLUS

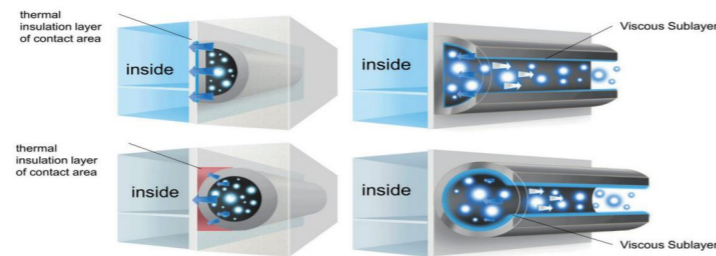
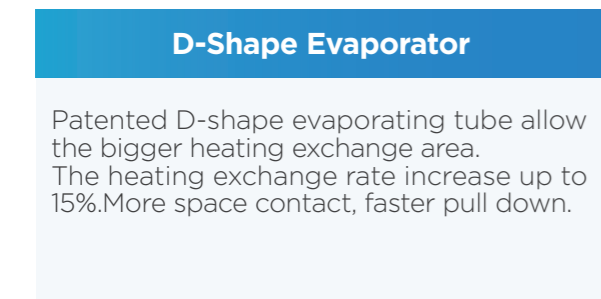
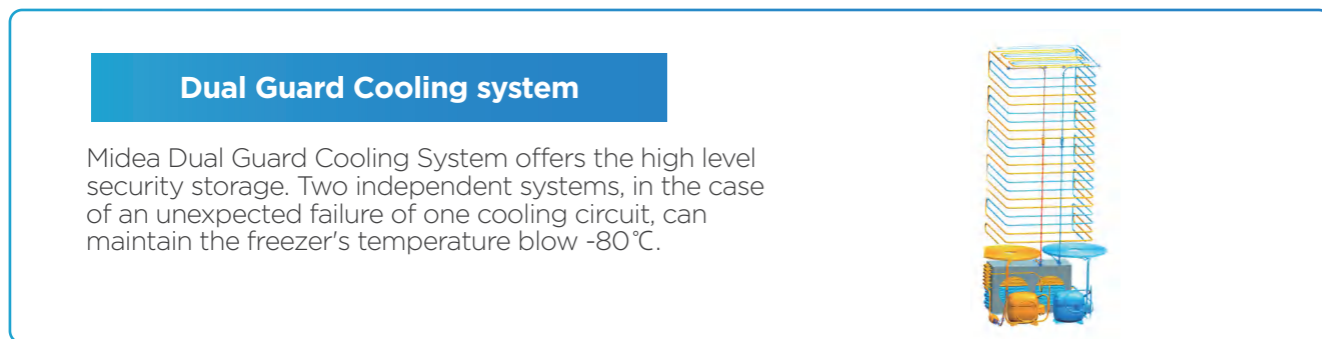
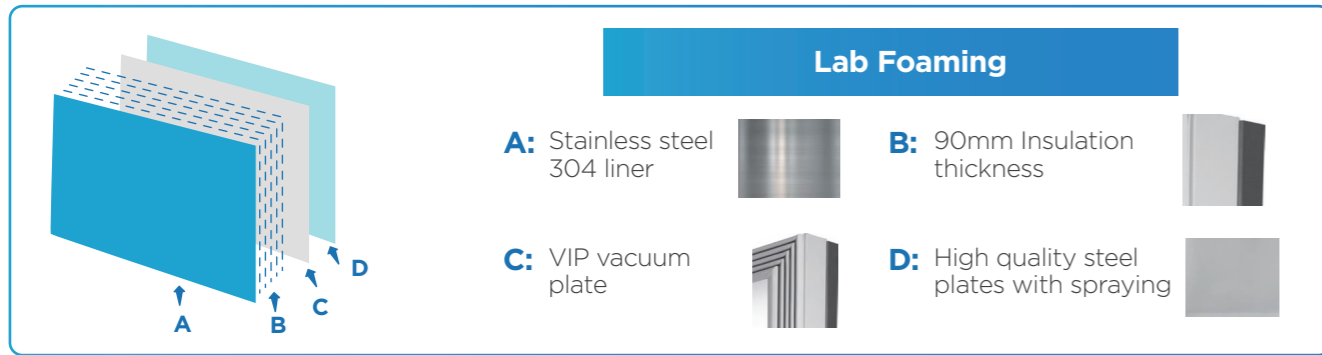
VIP PLUS vacuum insulation provides up to 30% more storage capacity than a conventionally insulated freezer.

6 Relief Port

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

7 Filter Design

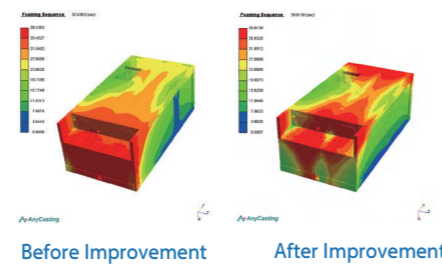
Tool-free removable filter design, easy and quick to clean the filter.



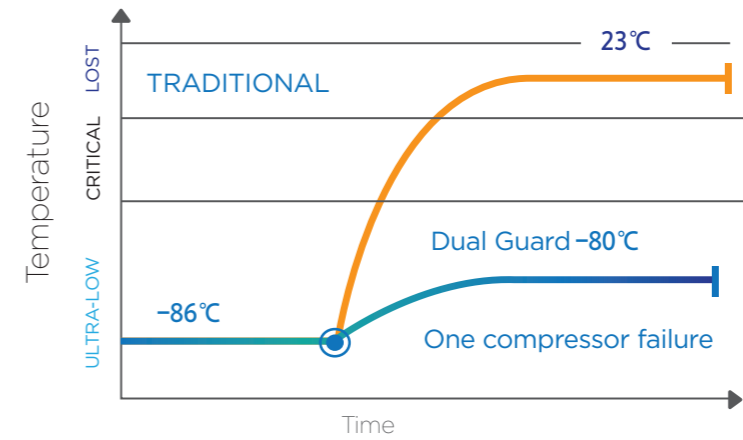
Alarm functions include high, low temperature, sensor error, power failure, high ambient alarm, door open alarm etc.



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

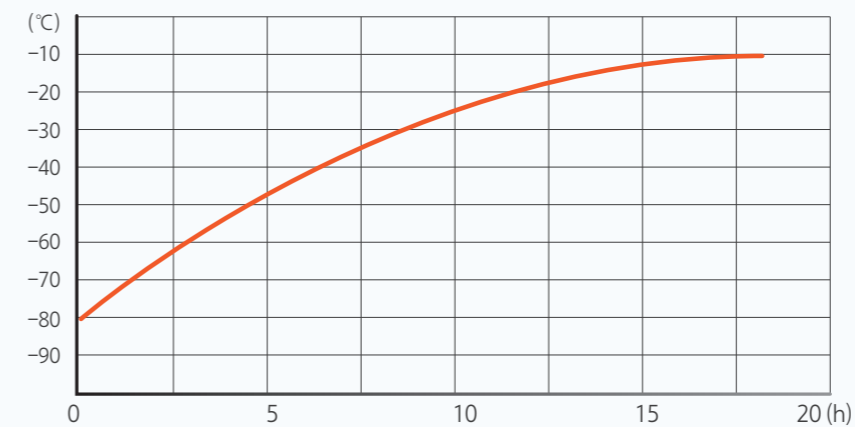


Discover the Dual Guard -86°C Refrigeration System

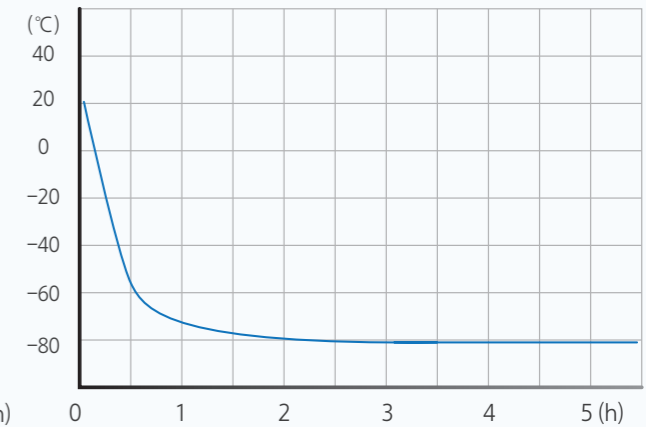


Comparison between Midea Dual Guard system and traditional ULT freezer. Single compressor can remain the temperature -80°C stably.

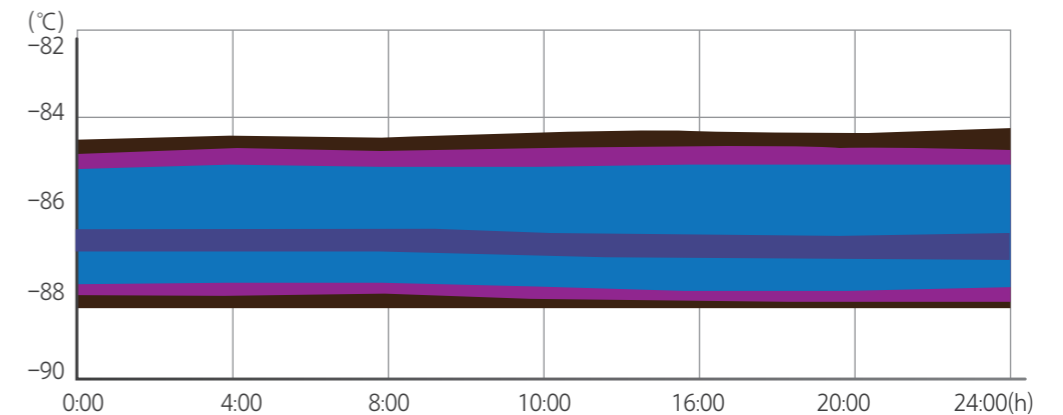
Temperature recover curve







Temperature cool down curve



Temperature uniformity



					
	Product Image				
Item	Model	MD-86L568T		MD-86L568	
Data	Cabinet Type	Upright		Upright	
	Climate Class	N		N	
	Sound Level (dB)	54		54	
	Defrost Type	Manual		Manual	
	Cooling System	Twin Cooling		Twin Cooling	
	Refrigerant	Mix Refrigerant		Mix Refrigerant	
	Capacity(L/Cu.Ft)	568/20.06		568/20.06	
	2ml Cryo Tube Qty	40000		40000	
	External Material	High Quality Coated Steel		High Quality Coated Steel	
	Inner Material	Stainless Steel		Stainless Steel	
Control	Controller	Microprocessor		Microprocessor	
	Display panel	10.1 "LCD touch Display		LED	
	Temperature Accuracy(°C)	0.1		0.1	
	Temperature Range(°C)	-40--86		-40--86	
Dimensions	Product Dimensions(mm)(w*d*h)	885*995*1980		885*995*1980	
	Inerior Dimensions(mm)(w*d*h)	595*720*1310		595*720*1310	
	Load Capacity(40HQ)	24		24	
	Net/Gross Weight(kg)	/	286/342	283/339	286/342
Electrical Date	Power Supply	115-V/60Hz	220-240-V/50Hz	115-V/60Hz	220-240-V/50Hz
	Rated Current	/	12A	14.5	12A
	Rated Power	/	1520W	1250W	1520W
Functions	High Temperature Alarm	Y		Y	
	Low Temperature Alarm	Y		Y	
	Door Ajar	Y		Y	
	Power Failure Alarm	Y		Y	
	High Condenser Temperature Alarm	Y		Y	
	High Ambient Temperature Alarm	Y		Y	
	Low Battery Alarm	Y		Y	
	Backup Battery Endurance(h)	15	52	52	52
	Sensor Failure Alarm	Y		Y	
	UBS funtion	Y		Y	
	Frame anti-condensation	Y		Y	
	RS-458 Port	Optional		Optional	
	Remote Alarm	Y		Y	
	5V power supply	Y		Y	
	Universal Wheel	Y		Y	
leveling feet	Y		Y		

					
	Product Image				
Item	Model	MD-86L718T		MD-86L718	
Data	Cabinet Type	Upright		Upright	
	Climate Class	N		N	
	Sound Level (dB)	49		49	
	Defrost Type	Manual		Manual	
	Cooling System	Twin Cooling		Twin Cooling	
	Refrigerant	Mix Refrigerant		Mix Refrigerant	
	Capacity(L/Cu.Ft)	718/25.36		718/25.36	
	2ml Cryo Tube Qty	50000		50000	
	External Material	High Quality Coated Steel		High Quality Coated Steel	
	Inner Material	Stainless Steel		Stainless Steel	
Control	Controller	Microprocessor		Microprocessor	
	Display panel	10.1 "LCD touch Display		LED	
	Temperature Accuracy(°C)	0.1		0.1	
	Temperature Range(°C)	-40--86		-40--86	
Dimensions	Product Dimensions(mm)(w*d*h)	1030*995*1980		1030*995*1980	
	Inerior Dimensions(mm)(w*d*h)	740*720*1310		740*720*1310	
	Load Capacity(40HQ)	20		20	
	Net/Gross Weight(kg)	/	305/368	/	305/368
Electrical Date	Power Supply	115-V/60Hz	220-240-V/50Hz	115-V/60Hz	220-240~V/50Hz
	Rated Current	/	12A	14.5A	12A
	Rated Power	/	720W	1250W	1300W
Functions	High Temperature Alarm	Y		Y	
	Low Temperature Alarm	Y		Y	
	Door Ajar	Y		Y	
	Power Failure Alarm	Y		Y	
	High Condenser Temperature Alarm	Y		Y	
	High Ambient Temperature Alarm	Y		Y	
	Low Battery Alarm	Y		Y	
	Backup Battery Endurance(h)	15	52	52	52
	Sensor Failure Alarm	Y		Y	
	UBS funtion	Y		Y	
	Frame anti-condensation	Y		Y	
	RS-458 Port	Optional		Optional	
	Remote Alarm	Y		Y	
	5V power supply	Y		Y	
	Universal Wheel	Y		Y	
leveling feet	Y		Y		

Lab-Guard ULT Freezer



Lab-Guard ULT Freezer

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.

■ Safer by Design



Slim cabinet design for better access



World leading energy saving



World-famous Components



Fast Cabinet Pull Down



Superior temperature recover time



VIP PLUS design



MD-86L358

MD-86L458T



MD-86L458

- 1 Multi-layer Sealing Structure**
 Multi-layers 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.
- 2 VIP PLUS Design**
 Provides up to 30% more storage capacity than a conventionally insulated freezer, without increasing the footprint. A glass fibre core provides advanced thermal properties.
- 3 USB Port**
 Enables users to download historical temperature data for compliance/auditing purposes.
- 4 LED Display/LCD Display**
 Alarm functions include high, low temperature, sensor error, power failure, high ambient alarm, door open alarm etc.
- 5 Lever Handle Design**
 Ingenious handle design helps you to open and close door easier. Lockable handle safeguards your precious samples. Padlock can also be added for extra sample safety.
- 6 Relief Ports**
 It allows users to re-open the main door quickly when entering ,rust-proof, freeze-free.
- 7 Narrow Door Design**
 The freezer can pass through an 750mm wide door when the door is open.



Safe and Reliable Samples Storage

Superior temperature uniformity; Imported world-famous components.



Double Door Design

Four independent/detachable inner door allows better samples management. And each inner door has gasket which will reduce heat exchange rate and retaining the inner temperature better.



Multi-level Alarms

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



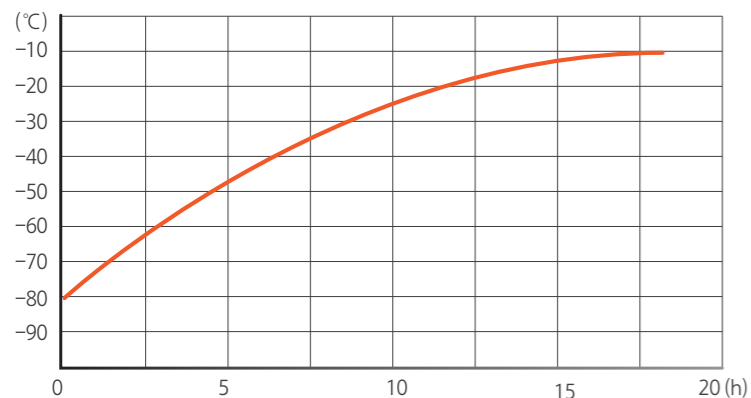
Optimized Refrigeration System

High efficiency cooling fans and compressors, combined with hydrocarbon refrigerants, ensure energy savings and long-term sample security.

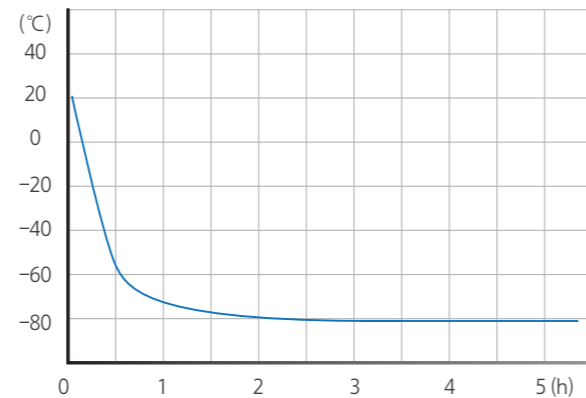
Lab-Guard ULT Freezer

TYPICAL PERFORMANCE CHARACTERISTICS AT 25°C AMBIENT

Temperature recover curve

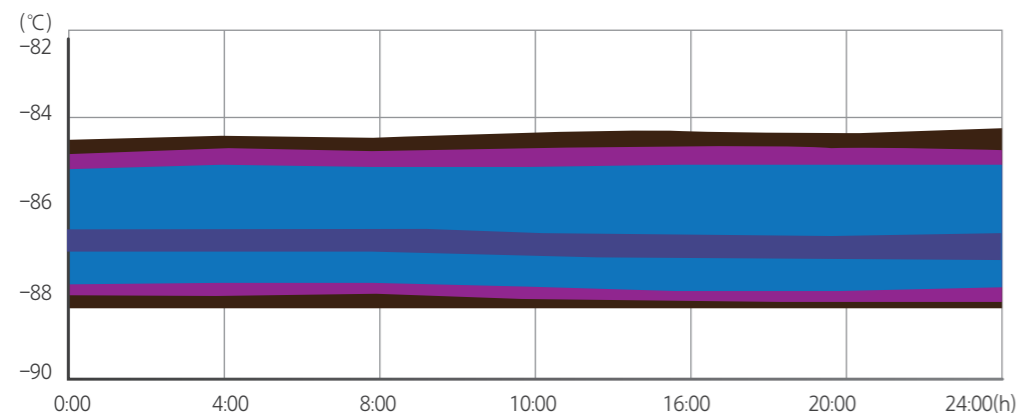


Temperature cool down curve



MD-86L458

Temperature uniformity



		 				
Product Image						
Item	Model	MD-86L358	MD-86L458			
Data	Cabinet Type	Upright	Upright			
	Climate Class	N	N			
	Sound Level(dB)	50	46			
	Defrost Type	Manual	Manual			
	Cooling System	Self-cascade	Self-cascade			
	Refrigerant	Mixed Refrigerant	Mixed Refrigerant			
	Capacity(L/Cu.Ft)	358/12.64	458/16.17			
	2ml Cryo Tube Qty	24000	32000			
	External Material	PCM	High Quality Coated Steel			
	Inner Material	PCM	Stainless Steel			
Control	Controller	Microprocessor	Microprocessor			
	Display panel	LED	LED			
	Temperature Accuracy(°C)	0.1	0.1			
	Temperature Range(°C)	-40--86	-40--86			
Dimensions	Product Dimensions(mm)(w*d*h)	795*885*1855	885*855*1980			
	Inerior Dimensions(mm)(w*d*h)	450*583*1326	595*580*1310			
	Load Capacity(40HQ)	26	24			
	Net/Gross Weight(kg)	160/206	234/289	237/292		
Electrical Date	Power Supply	115~V/60Hz	220-240~V/50Hz	115~V/60Hz	220-240~V/50Hz	
	Rated Current	/	5.3A	10A	5.9A	
	Rated Power	/	610W	900W	765W	
Functions	High Temperature Alarm	Y		Y		
	Low Temperature Alarm	Y		Y		
	Door Ajar	Y		Y		
	Power Failure Alarm	Y		Y		
	High Condenser Temperature Alarm	Y		Y		
	High Ambient Temperature Alarm	Y		Y		
	Low Battery Alarm	Y		Y		
	Backup Battery Endurance(h)	15		52		52
	Sensor Failure Alarm	Y		Y		
	UBS funtion	Y		Y		
	Frame anti-condensation	Y		Y		
	RS-458 Port	Optional (either with USB)		Optional (either with USB)		
	Remote Alarm	Y		Y		
	5V power supply	Y		Y		
	Universal Wheel	Y		Y		
leveling feet	Y		Y			

Product Image			
Item	Model	MD-86L458S	MD-86L458T
Data	Cabinet Type	Upright	Upright
	Climate Class	N	N
	Sound Level(dB)	46	46
	Defrost Type	Manual	Manual
	Cooling System	Self-cascade	Self-cascade
	Refrigerant	Mixed Refrigerant	Mixed Refrigerant
	Capacity(L/Cu.Ft)	458/16.17	458/16.17
	2ml Cryo Tube Qty	32000	32000
	External Material	High Quality Coated Steel	High Quality Coated Steel
	Inner Material	Stainless Steel	Stainless Steel
Control	Controller	Microprocessor	Microprocessor
	Display panel	10.1 "LCD touch Display(TFT)	10.1 "LCD touch Display
	Temperature Accuracy(°C)	0.1	0.1
	Temperature Range(°C)	-40--86	-40--86
Dimensions	Product Dimensions(mm)(w*d*h)	885*855*1980	885*855*1980
	Inerior Dimensions(mm)(w*d*h)	595*580*1310	595*580*1310
	Load Capacity(40HQ)	24	24
	Net/Gross Weight(kg)	/ 237/292	/ 237/292
Electrical Date	Power Supply	115~V/60Hz 220-240~V/50Hz	115~V/60Hz 220-240~V/50Hz
	Rated Current	/ 5.9A	/ 5.9A
	Rated Power	/ 765W	/ 765W
Functions	High Temperature Alarm	Y	Y
	Low Temperature Alarm	Y	Y
	Door Ajar	Y	Y
	Power Failure Alarm	Y	Y
	High Condenser Temperature Alarm	Y	Y
	High Ambient Temperature Alarm	Y	Y
	Low Battery Alarm	Y	Y
	Backup Battery Endurance(h)	15	15
	Sensor Failure Alarm	Y	Y
	USB Funtion	Y	Y
	Frame anti-condensation	Y	Y
	RS-458 Port	Optional (either with USB)	Optional
	Remote Alarm	Y	Y
	5V power supply	Y	Y
	Universal Wheel	Y	Y
leveling feet	Y	Y	

Under counter ULT Freezer



Under counter ULT Freezer

Scope of Application

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



Safe and Reliable Samples Storage

High temperature uniformity;
Imported world-famous components.



Multi-level Alarms

High, low temperature, sensor error, power failure,
high ambient alarm, door open alarm etc.



Fast Cabinet Pull Down

Faster cool down time compare with average .



Smart Design, Super sample storage

9,000 vials (2ml) storage, biggest in industry.

Product Image



Item	Model	MD-86L108	
Data	Cabinet Type	Upright	
	Climate Class	N	
	Sound Level(dB)	45	
	Defrost Type	Manual	
	Cooling System	Self-cascade	
	Refrigerant	Mixed Refrigerant	
	Capacity(L/Cu.Ft)	108/3.81	
	2ml Cryo Tube Qty	9000	
	External Material	High Quality Coated Steel	
	Inner Material	PCM	
Control	Controller	Microprocessor	
	Display panel	LED	
	Temperature Accuracy(°C)	0.1	
	Temperature Range(°C)	-40~-86	
Dimensions	Product Dimensions(mm)(w*d*h)	955*675*815	
	Inerior Dimensions(mm)(w*d*h)	440*435*590	
	Load Capacity(40HQ)	30	
	Net/Gross Weight(kg)	113/141	
Electrical Date	Power Supply	115~V/60Hz	220-240~V/50Hz
	Rated Current	/	4.9A
	Rated Power	/	500W
Functions	High Temperature Alarm	Y	
	Low Temperature Alarm	Y	
	Door Ajar	Y	
	Power Failure Alarm	Y	
	High Condenser Temperature Alarm	Y	
	High Ambient Temperature Alarm	Y	
	Low Battery Alarm	Y	
	Backup Battery Endurance(h)	52	
	Sensor Failure Alarm	Y	
	UBS funtion	Y	
	Frame anti-condensation	Y	
	RS-458 Port	Optional (either with USB)	
	Remote Alarm	Y	
	5V power supply	Y	
	Universal Wheel	Y	
leveling feet	Y		

-25/-30/-40°C Biomedical Freezer

Scope of Application

Midea freezers can be used in hospitals, epidemic prevention stations, universities, scientific research institutes, and electronic chemical industry enterprise labs.



MD-25L106



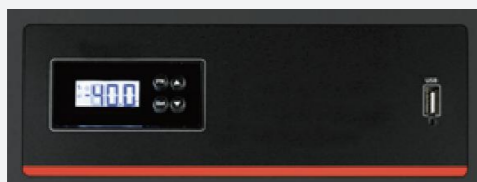
MD-40L308



MD-40L518

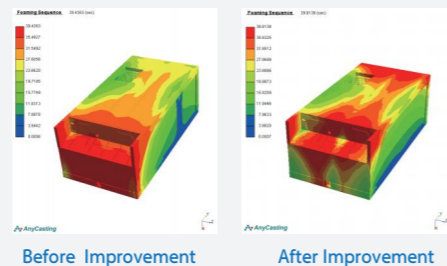
LCD Temperature Control Systems

Button-type control panel is easy to operate, the temperature and alarm settings can be adjust on the panel.



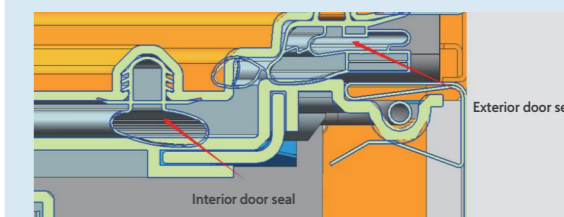
LBA Forming Technology

The world's leading fourth generation foaming agent More uniform density, Better insulation, more energy-saving. More reasonable foaming layer design, larger interior storage space.



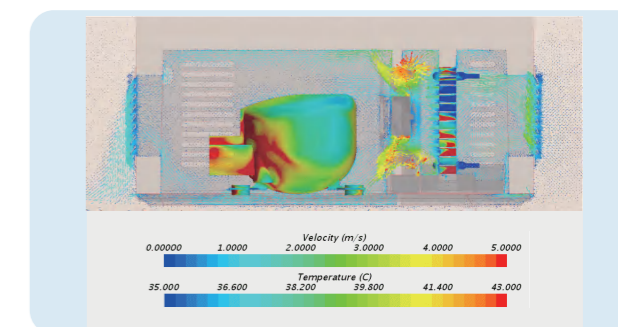
Three-dimensional seal

The unique three-dimensional seal, through the double-layer door seal and the multi-layer airbag sealing design, can effectively reduce the leakage of cold air and achieve best thermal insulation performance.

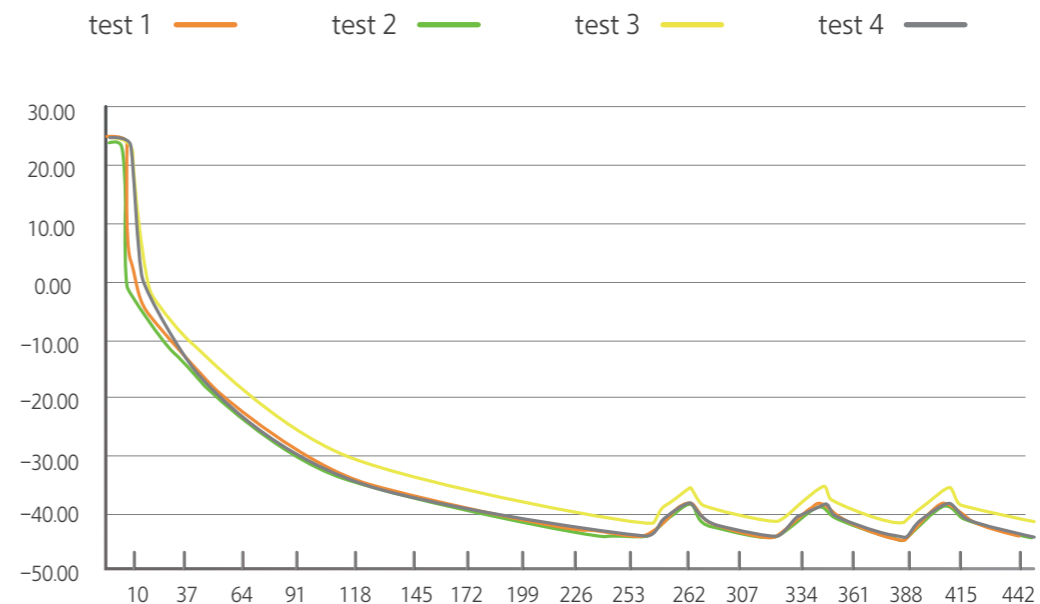


Micro-channel condenser

Powerful heat dissipation for condenser, heat exchange capacity increase by more than 20% than common copper tube fin condenser. Excellent compressor overheating protection, effectively improve the service life of core parts.









Typical Performance Characteristics at 25°C Ambient





MD-40L308



-25/-30/-40°C Biomedical Freezer

Product Image									
Item	Model	MD-25L106	MD-25L308	MD-25L518					
Data	Cabinet Type	Upright	Upright	Upright					
	Climate Class	N	N	N					
	Sound Level(dB)	43	46	58					
	Defrost Type	Manual	Manual	Manual					
	Refrigerant	R600a	R290	R290					
	Capacity(L/Cu.Ft)	106/3.74	308/10.88	518/18.29					
	External Material	PCM	PCM	PCM					
	Inner Material	PCM	PCM	PCM					
Control	Controller	Microprocessor	Microprocessor	Dual-Temp., Dual-Control					
	Display	LCD (ECS-H6)	LCD (ECS-H6)	LED					
	Temperature Accuracy(°C)	0.1	0.1	0.1					
	Temperature Range	-10--25	-10--25	-10--25					
Dimensions	Product Dimensions(mm)(w*d*h)	600*610*815	700*690*1920	866*811*1920					
	Inerior Dimensions(mm)(w*d*h)	455*460*595	540*450*1277	Ref: 680*620*650 Freezer: 680*620*650					
	Load Capacity(40HQ)	108	48	28					
	Net/Gross Weight(kg)	43/48	39/44	100/112	102/114	100/112	142/165	142/165	145/165
Electrical Date	Power Supply	115~V/ 60Hz	220-240~ V/50Hz	115~V/ 60Hz	220~ V/60Hz	220-240~ V/50Hz	115~V/ 60Hz	220~ V/60Hz	220-240~ V/50Hz
	Rated Power(A)	220	115	280	260	210	450	450	450
	Rated Current(W)	2.5	0.7	3	1.3	1.18	5.1	2.2	5
Functions	High Temperature Alarm	Y	Y	Y					
	Low Temperature Alarm	Y	Y	Y					
	Door Ajar	Y	Y	Y					
	Power Failure Alarm	Y	Y	Y					
	High Condenser Temperature Alarm	N	N	N					
	High Ambient Temperature Alarm	Y	Y	Y					
	Low Battery Alarm	N	N	Y					
	Backup Battery Endurance(h)	20	20	15					
	Sensor Failure Alarm	Y	Y	Y					
	UBS funtion	Y	Y	Y					
	Frame anti-condensation	Y	Y	Y					
	RS-458 Port	Y Optional	Y Optional	Y Optional					
	Casters	N	Y	Y					
	leveling feet	Y	N	N					

Product Image									
Item	Model	MD-30L850B	MD-40L106	MD-40L308					
Data	Cabinet Type	Upright	Upright	Upright					
	Climate Class	N	N	N					
	Sound Level(dB)	51	51	52					
	Defrost Type	Manual	Manual	Manual					
	Refrigerant	R290	R290	R290					
	Capacity(L/Cu.Ft)	850/30.01	106/3.74	308/10.88					
	External Material	PCM	PCM	PCM					
	Inner Material	PCM	PCM	PCM					
Control	Controller	Microprocessor	Microprocessor	Microprocessor					
	Display	LED	LCD (ECS-H6)	LCD (ECS-H6)					
	Temperature Accuracy(°C)	0.1	0.1	0.1					
	Temperature Range	-10--30	-20--40	-20--40					
Dimensions	Product Dimensions(mm)(w*d*h)	1175*995*1980	600*610*815	700*690*1920					
	Inerior Dimensions(mm)(w*d*h)	885*720*1310	455*460*595	540*450*1277					
	Load Capacity(40HQ)	18	108	48					
	Net/Gross Weight(kg)	/	/	267/336	43/48	43/48	102/114	102/114	102/114
Electrical Date	Power Supply	115~V/ 60Hz	220~ V/60Hz	220-240~ V/50Hz	115~V/ 60Hz	220-240~ V/50Hz	115~V/ 60Hz	220~ V/60Hz	220-240~ V/50Hz
	Rated Power(A)	/	/	325	220	230	280	260	295
	Rated Current(W)	/	/	2.6	2.5	2.2	3	1.3	2.9
Functions	High Temperature Alarm	Y	Y	Y					
	Low Temperature Alarm	Y	Y	Y					
	Door Ajar	Y	Y	Y					
	Power Failure Alarm	Y	Y	Y					
	High Condenser Temperature Alarm	Y	N	N					
	High Ambient Temperature Alarm	Y	Y	Y					
	Low Battery Alarm	Y	N	N					
	Backup Battery Endurance(h)	52	20	20					
	Sensor Failure Alarm	Y	Y	Y					
	UBS funtion	Y	Y	Y					
	Frame anti-condensation	Y	Y	Y					
	RS-458 Port	Optional (either with USB)	N	N					
	Casters	Y	N	Y					
	leveling feet	N	Y	N					

-25/-30/-40°C Biomedical Freezer

Product Image						
Item	Model	MD-40L518	MD-25W368			
Data	Cabinet Type	Upright	Chest			
	Climate Class	N	N			
	Sound Level(dB)	58	48			
	Defrost Type	Manual	Manual			
	Refrigerant	R290	R290			
	Capacity(L/Cu.Ft)	518/18.29	368/12.99			
	External Material	PCM	PCM			
	Inner Material	PCM	PCM			
Control	Controller	Dual-Temp., Dual-Control	Microprocessor			
	Display	LED	LCD			
	Temperature Accuracy(°C)	0.1	0.1			
	Temperature Range(°C)	-20--40	-10--25			
Dimensions	Product Dimensions(mm)(w*d*h)	866*811*1920	1255*745*853			
	Inerior Dimensions(mm)(w*d*h)	Ref: 680*620*650 Freezer: 680*620*650	870*550*648 230*550*428			
	Load Capacity(40HQ)	28	28			
	Net/Gross Weight(kg)	142/168	/ 55/62			
Electrical Date	Power Supply	115~V/ 60Hz	220~V/ 60Hz	220-240~ V/50Hz	115~V/ 60Hz	220-240~ V/50Hz
	Rated Current(W)	450	450	450	/	350
	Rated Power(A)	5.1	2.2	5	/	1
Functions	High Temperature Alarm	Y	Y			
	Low Temperature Alarm	Y	Y			
	Door Ajar	Y	N			
	Power Failure Alarm	Y	Y			
	High Condenser Temperature Alarm	N	N			
	High Ambient Temperature Alarm	Y	N			
	Low Battery Alarm	Y	N			
	Backup Battery Endurance(h)	15	24			
	Sensor Failure Alarm	Y	Y			
	UBS funtion	Y	Y			
	Frame anti-condensation	Y	N			
	RS-458 Port	Y Optional	N			
	Casters	Y	Y			
	leveling feet	N	N			

Product Image					
Item	Model	MD-25W568	MD-40W368		
Data	Cabinet Type	Chest	Chest		
	Climate Class	N	N		
	Sound Level(dB)	58	48		
	Defrost Type	Manual	Manual		
	Refrigerant	R290	R290		
	Capacity(L/Cu.Ft)	568/20.06	368/12.99		
	External Material	PCM	PCM		
	Inner Material	PCM	PCM		
Control	Controller	Microprocessor	Microprocessor		
	Display	LCD	LCD		
	Temperature Accuracy(°C)	0.1	0.1		
	Temperature Range(°C)	-10--25	-20--40		
Dimensions	Product Dimensions(mm)(w*d*h)	1870*745*805	1255*745*853		
	Inerior Dimensions(mm)(w*d*h)	1479*550*625 230*550*405	870*550*648 230*550*428		
	Load Capacity(40HQ)	50	44		
	Net/Gross Weight(kg)	/ 75/88	55/62		
Electrical Date	Power Supply	115~V/ 60Hz	220-240~ V/50Hz	115~V/ 60Hz	220-240~ V/50Hz
	Rated Current(W)	/	400	/	/
	Rated Power(A)	/	2	/	/
Functions	High Temperature Alarm	Y	Y		
	Low Temperature Alarm	Y	Y		
	Door Ajar	N	N		
	Power Failure Alarm	Y	Y		
	High Condenser Temperature Alarm	N	N		
	High Ambient Temperature Alarm	N	N		
	Low Battery Alarm	N	N		
	Backup Battery Endurance(h)	24	24		
	Sensor Failure Alarm	Y	Y		
	UBS funtion	Y	Y		
	Frame anti-condensation	N	N		
	RS-458 Port	N	N		
	Casters	Y	Y		
	leveling feet	N	N		

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 temperature range in pharmacies, pharmaceutical factories, hospitals, CDC, clinics, laboratories.

Product Advantages:

Leading technologies for Safer storage and Higher temperature stability.



TOP Cooling

Improves temperature variation performance by 40%. Improve cooling efficiency by 15%.



Dual display

Display both real-time temperature and humidity. Safer for stored products management.



Built-in air duct

Increase the effective interior space by 10%.



Electric heating glass door

Effective anti-condensation.



2~8°C Pharmacy Refrigerator



MC-5L756

USB Port

Display temp+ humidity



Top Cooling

DC Turbo Fan

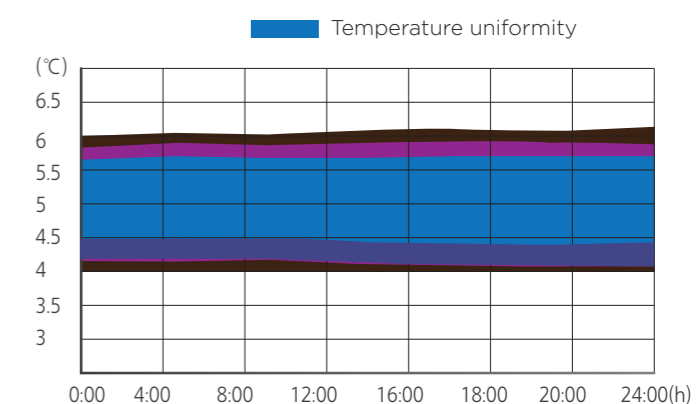
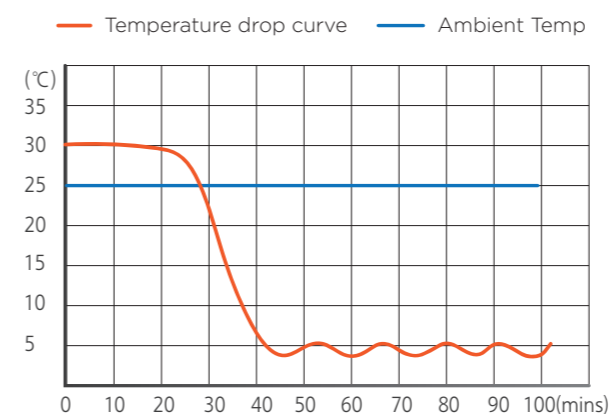
Built-in air duct

Inverter compressor



Electrical heating Door

Typical Performance Characteristics at 25°C Ambient



MC-5L756

2~8°C Pharmacy Refrigerator

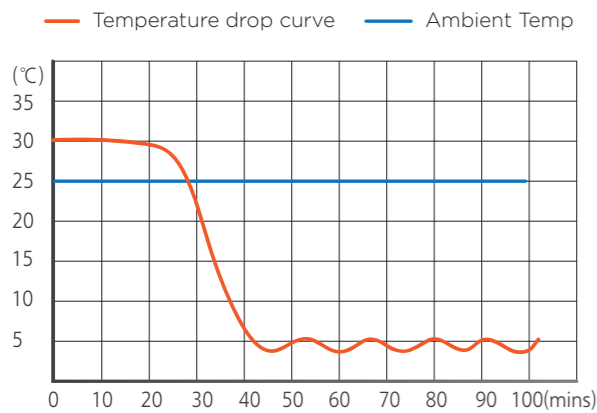


MC-5L416

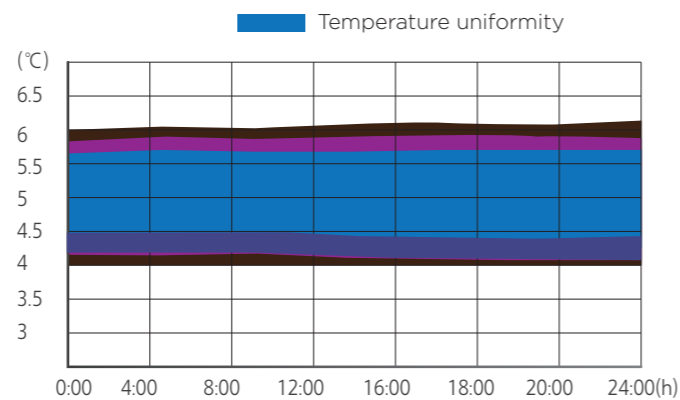
- USB Port
- Display temp+ humidity
- Top Cooling
- DC Turbo Fan
- Built-in air duct
- Inverter compressor
- Electrical heating Door



■ Typical Performance Characteristics at 25°C Ambient



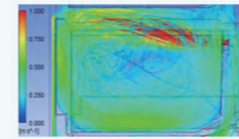
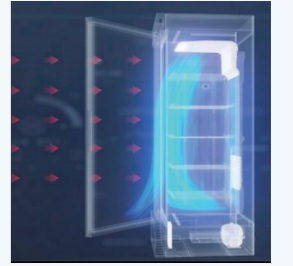
MC-5L416



Discover Midea Top Cooling Technology

Top cooling system

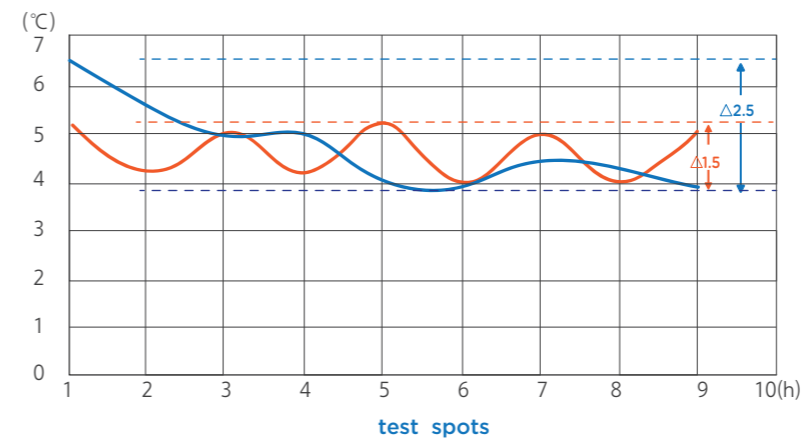
Strong cooling airflow from the top to the bottom, works as an air curtain to block the external hot air from entering the refrigerator when door is opening, so as to prevent the temperature in the cabinet from rising rapidly, also contributes better temperature uniformity performance.



Traditional cooling system

Air flow with disorderly directions, unsatisfied temperature uniformity performance.

Advantages

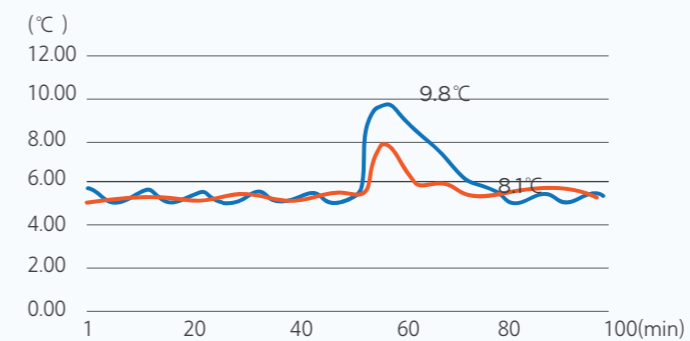


Temperature uniformity curve

- Normal refrigerator
- Midea Top cooling refrigerator

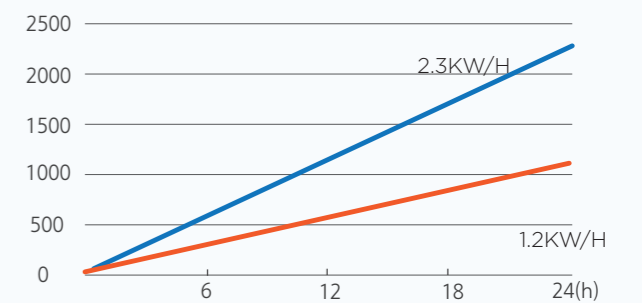
Improves temperature uniformity performance by 40%.
Max interior temperature difference $\pm 1^\circ\text{C}$
Better protection for temperature sensitive medicines and samples.

Temperature change curve when door opening



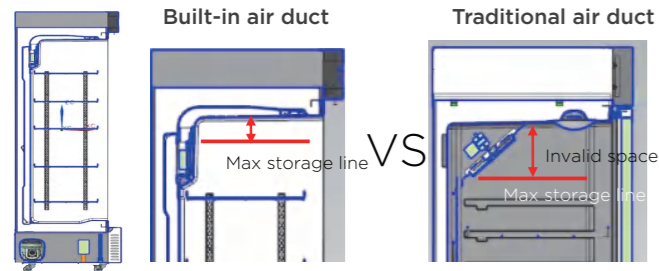
Prevent temperature rising rapidly when door is opening.
Temperature rise much slower than normal pharmacy refrigerator.

Energy consumption curve



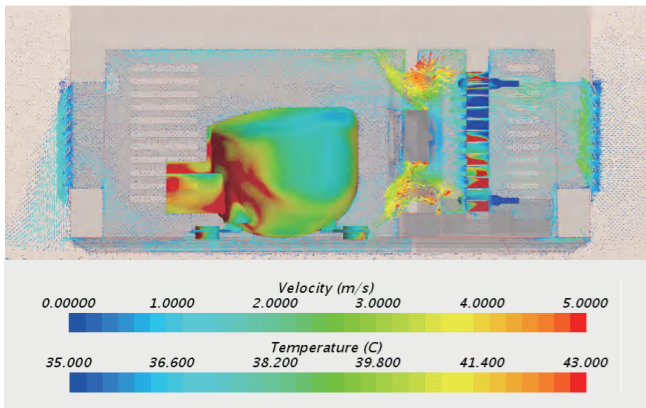
Energy saving
Energy consumption 47% lower than similar sized normal pharmacy refrigerator.

Built-in air duct



Increase the effective interior space by 10% Less interior space occupancy. Built-in air duct plus the Top cooling design, ensure temperature in the top of chamber is cool enough for storage.

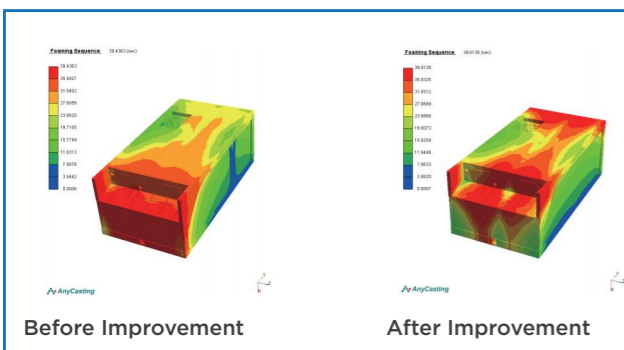
Micro-channel condenser



Compressor overheating protection, effectively improving the service life of the core part. Powerful heat dissipation for condenser, heat exchange capacity increase by more than 20% than common copper tube fin condenser of other suppliers.

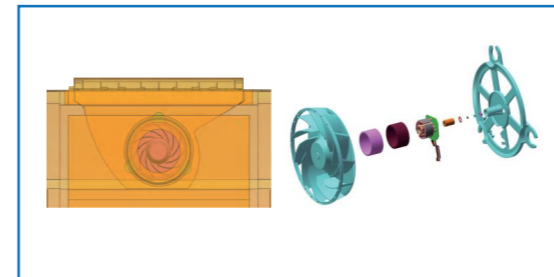
LBA Forming Technology

The world's leading fourth generation foaming agent



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

DC Turbo Fan



Item	Turbo	Traditional
Wind pressure	High	Low
Wind speed	High	Low
Rotate speed	Low	High
Noise	Low	High
Efficiency	High	Low
/	Invisible	Exposed
Safety	DC	AC

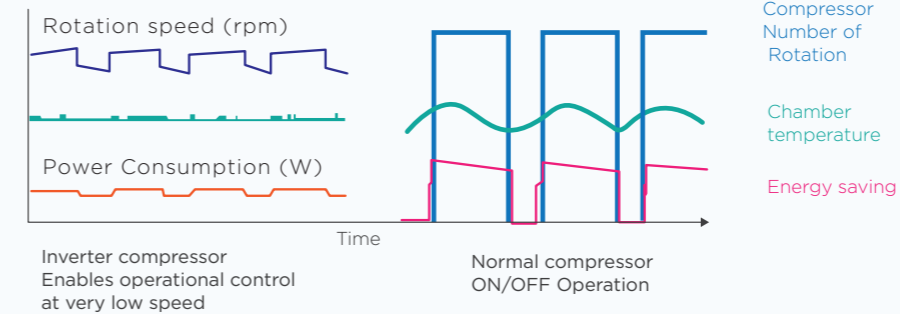
Decrease noise level by 8%

Integrated DC Turbo Fan works with smaller vibration and higher efficiency.

Safer for daily use

No strong electric component in chamber, safer & more reliable.

Inverter Compressor



Improve cooling performance. Reduce energy consumption by 15%. Decrease noise level.

20% higher quick-cooling ability. Interior temperature variation within 2°C.

Product features



High-precision Temperature Control

Microcomputer temperature control, temperature accuracy 0.1°C; Digital display, adjustable temperature range 2°C-8°C; Temperature variation ≤ 2°C.



Refrigeration System

International famous compressor, energy saving, rapid cooling; Top cooling; DC Turbo Fan; Built-in air duct; LBA Forming Technology; Micro-channel condenser - High-efficiency, Compressor overheating protection.



Security System

Perfect audible & visual alarm systems: High and low temperature alarm, power failure, sensor failure alarm, door open alarm etc; The alarm temperature can be set as required; Built-in battery, continuously showing the real-time chamber temperature after power off; Safety lock.



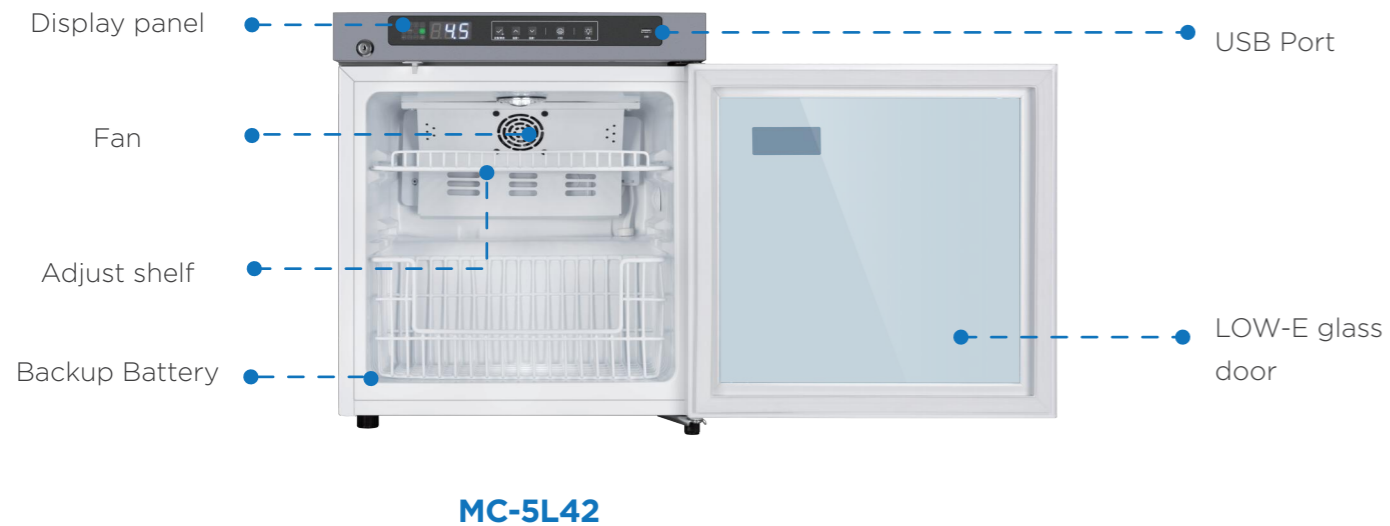
Humanized Design

Electric heating glass door design, effectively preventing condensation; Test hole-Monitor real-time temperature in chamber Multi-layer shelves design, removable and with label card; LED light; Built-in USB data logger, all data can be traced and printed; Printer optional; Voltage range design for unstable power supply areas.

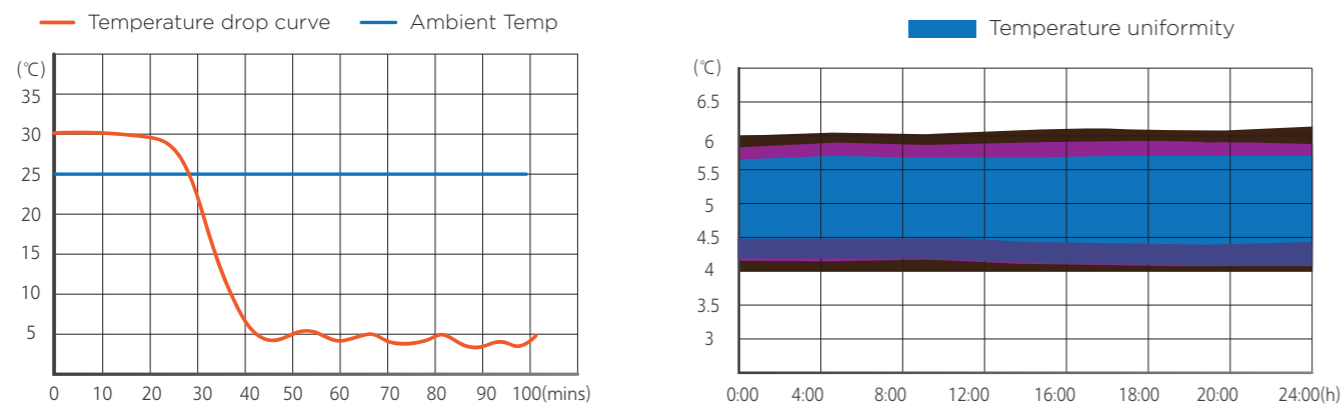
2~8°C Pharmacy Refrigerator

Scope of Application

Midea pharmacy refrigerators, suitable to store vaccines, medicines and laboratory products at 2°C to 8°C temperature range in pharmacies, pharmaceutical factories, hospitals, CDC, clinics, laboratories.



Typical Performance Characteristics at 25°C Ambient



MC-5L42

2~8°C Pharmacy Refrigerator



Key features



Safety & Temperature stability

Microcomputer control, temperature accuracy 0.1°C;
 Digital display, adjustable temperature ranges 2°C-8°C;
 USB port, temperature data traceable;
 Perfect audible & visual alarm systems: High and low temperature alarm, power failure, sensor failure alarm, door open alarm etc. The alarm temperature can be set as required;
 Built-in battery, continuously showing the real-time chamber temperature after power off;
 Safety lock;
 Voltage range design for unstable power supply areas.








Refrigeration System




International famous compressor, energy saving, rapid cooling;
 LBA Forming Technology, better insulation, more energy-saving, higher space utilization rate;
 Compressor overheating protection;
 CFC free, environment friendly.



Humanized Design

Low-E glass door, optional electric heating door, effectively preventing condensation;
 Multi-layer shelves design, removable;
 LED light.

	Product Image																
Item	Model	MC-5L42			MC-5L126			MC-5L316			MC-5L316B			MC-5L416			
Data	Cabinet Type	Upright			Upright			Upright			Upright			Upright			
	Climate Class	N			N			N			N			N			
	Cooling Type	Forced Air Cooling			Forced Air Cooling			Forced Air Cooling			Forced Air Cooling			Forced Air Cooling			
	Defrost Type	Auto			Auto			Auto			Auto			Auto			
	Refrigerant	R600a /18g	R600a /25g	R600a /18g	R600a/30g			R600a /36g	R600a /40g	R600a /40g	/	/	R600a/45g		R600a/36g		
	Capacity(L/Cu.Ft)	42/1.48			126/4.45			316/11.16			316/11.16			416/14.69			
	External /Inner Material	PCM/HIPS			PCM/HIPS			PCM/HIPS			PCM/HIPS			PCM/HIPS			
	Sound Level(dB)	45			45			52			45			55			
Control	Controller	Microprocessor			Microprocessor			Microprocessor			Microprocessor			Microprocessor			
	Display panel	LED			LCD			LED(Temperature &Humidity)			LED			LED(Temperature &Humidity)			
	Temperature Accuracy(°C)	0.1			0.1			0.1			0.1			0.1			
	Temperature Uniformity(°C)	≤2			≤2			≤2			≤2			≤2			
	Temperature Volatility(°C)	±1.0			±1.0			±1.0			±1.0			±1.0			
	Temperature Range(°C)	2°C~8°C			2°C ~ 8°C			2°C ~ 8°C			2°C ~ 8°C			2°C ~ 8°C			
Dimensions	Product Dimensions(mm)(w*d*h)	485*450*550			595*615*810			595*603*1920			595*603*1920			690*653*1920			
	Inerior Dimensions(mm)(w*d*h)	400*360*425			505*467*620			500*464*1343			500*464*1343			595*514*1343			
	Load Capacity(40HQ)	384			162			54			54			48			
	Net/Gross Weight(kg)	25.5/28.5	/	25.5/27.5	43/48	43/48	43/48	72/81	72/81	72/81	/	/	68/76		88/97	/	88/97
Electrical Date	Power Supply	115~V/60Hz	220~V/60Hz	220-240~V/50Hz	115~V/60Hz	220~V/60Hz	220-240~V/50Hz	115~V/60Hz	220~V/60Hz	220-240~V/50Hz	115~V/60Hz	220~V/60Hz	220-240~V/50Hz	115~V/60Hz	220~V/60Hz	220-240~V/50Hz	
	Rated Power(W)	120	/	100	160	120	100	190	190	190	/	/	190	260	/	260	
	Rated Current(A)	1	/	0.75	2	1	1	2.5	1.5	1.5	/	/	1.5	3	/	1.7	
Functions	Power Failure Alarm	Y			Y			Y			N			Y			
	Sensor Failure Alarm	Y			Y			Y			Y			Y			
	High Ambient Temperature Alarm	Y			N			Y			Y			Y			
	Low Battery Alarm	Y			N			Y			N			Y			
	Door ajar Alarm	Y			Y			Y			Y			Y			
	High/Low Temperature Alarm	Y			Y			Y			Y			Y			
	Remote Alarm	Y			Y			Y			N			Y			
Accessories	Shelves/Drawers Qty	1/1			3			5			5			5			
	Door	Glass door /Electrical heating	LOW-E glass	LOW-E glass	LOW-E glass/ Electrical heating (Optional)			Glass door/Electrical heating			Glass door/Electrical heating			Glass door/Electrical heating			
	Automatic door closing function	N			N			Y			Y			Y			
	Label Card Holder	N			N			Y			Y			Y			
	Cable Port	N			N			1			1			1			
	Casters/Type	N			N			2/Omni-directional 2/Fixed wheels			2/Omni-directional 2/Fixed wheels			2/Omni-directional 2/Fixed wheels			
	USB	Y			Y Optional			Y			Y			Y			
	RS-485 Port	Optional			N			Optional			N			Optional			
	Printer	Optional			20h			Optional			N			Optional			
Backup Battery Endurance(h)	15			15			15			N			15				

Product Image										
Item	Model	MC-5L606			MC-5L756			MC-5L1006		
Data	Cabinet Type	Upright			Upright			Upright		
	Climate Class	N			N			N		
	Cooling Type	Forced Air Cooling			Forced Air Cooling			Forced Air Cooling		
	Defrost Type	Auto			Auto			Auto		
	Refrigerant	/	/	R600a /52g	R600a/48g			R600a/48g		
	Capacity(L/Cu.Ft)	606/21.40			756/26.70			1006/35.53		
	External/Inner Material	PCM/PCM			PCM/PCM			PCM/PCM		
	Sound Level(dB)	56			58			60		
Control	Controller	Microprocessor			Microprocessor			Microprocessor		
	Display panel	LED(Temperature & Humidity)			LED(Temperature & Humidity)			LED(Temperature & Humidity)		
	Temperature Accuracy(°C)	0.1			0.1			0.1		
	Temperature Volatility(°C)	±1.0			±1.0			±1.0		
	Temperature Uniformity(°C)	≤2			≤2			≤2		
	Temperature Range(°C)	2°C ~ 8°C			2°C ~ 8°C			2°C ~ 8°C		
Dimensions	Product Dimensions(mm)(w*d*h)	760*825*1925			970*808*1920			1220*808*1920		
	Inerior Dimensions(mm)(w*d*h)	660*590*1560			880*634*1354			1130*634*1354		
	Load Capacity(40HQ)	28			28			23		
	Net/Gross Weight(kg)	/	/	116/138	140/161	/	140/161	160/184	/	160/184
Electrical Date	Power Supply	115~V/60Hz	220~V/60Hz	220-240~V/50/60Hz	115~V/60Hz	220~V/60Hz	220-240~V/50/60Hz	115~V/60Hz	220~V/60Hz	220-240~V/50/60Hz
	Rated Power(W)	/	/	360	320	/	320	380	/	380
	Rated Current(A)	/	/	2.2	3.6	/	2	4	/	2.4
Functions	Power Failure Alarm	Y			Y			Y		
	Sensor Failure Alarm	Y			Y			Y		
	High Ambient Temperature Alarm	Y			Y			Y		
	Low Battery Alarm	Y			Y			Y		
	Door ajar Alarm	Y			Y			Y		
	High/Low Temperature Alarm	Y			Y			Y		
	Remote Alarm	Y			Y			Y		
Accessories	Shelves/Drawers Qty	6			10			10		
	Door	Glass door /Electrical heating			Glass door /Electrical heating			Glass door /Electrical heating		
	Automatic door closing function	Y			Y			Y		
	Label Card Holder	N			Y			Y		
	Cable Port	N			1			1		
	Casters/Type	N			4/Omni-directional 2/Fixed wheels			4/Omni-directional 2/Fixed wheels		
	USB	Y			Y			Y		
	RS-485 Port	Optional			Optional			Optional		
	Printer	Optional			Optional			Optional		
	Backup Battery Endurance(h)	15			15			15		

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 efficient 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 efficient blood storage.



MXY-558



Precise Temperature Control for Safe and Reliable Blood Storage.



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



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



EasyGo Convenient Design with USB Data Recorder, Automatic Door Closing, and 90-Degree Hovering Function.

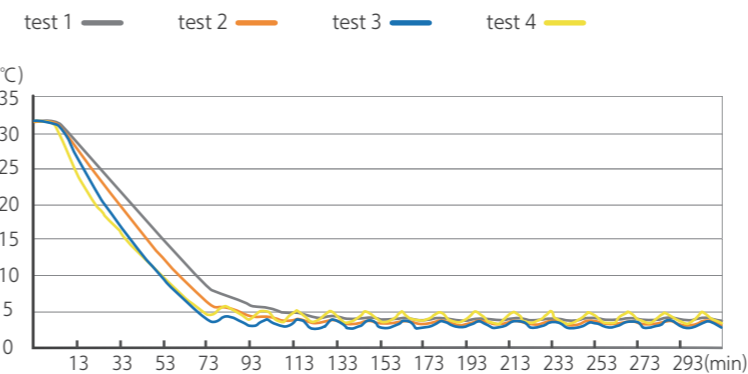


LBA Forming Technology for More Uniform Density, Better Insulation, and More Energy-Saving Foaming Layer Design.

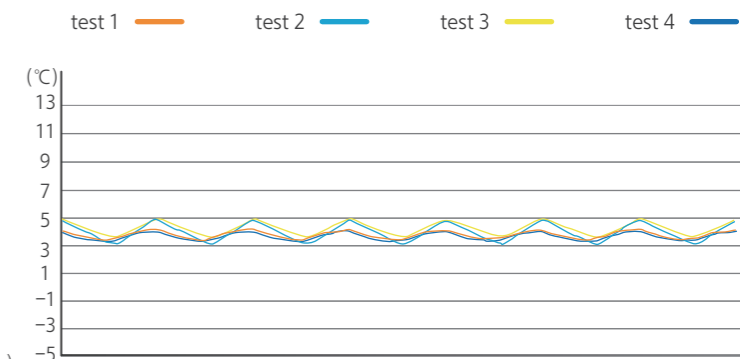


Humanized Design with Safety Lock, Multi-Layers Gaskets for Better Temperature Insulation, Wide Voltage Range Design, Cable Port, and Anti-Condensation Door.

Temperature cool down curve



Temperature uniformity



MXY-558

4°C Blood Bank Refrigerator

LED Interior Lighting

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

LED Display

Advanced LED digital display, providing precise temperature control with upper and lower temperature displays, an average temperature reading, and a 0.1 degree resolution.

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.

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.

Top Cooling

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



4°C Blood Bank Refrigerator

Product Image



Item	Model	Model
		MXY-558
Data	Cabinet	Upright
	Climate Class	N
	Cooling Type	Forced Air Cooling
	Defrost	Auto
	Refrigerant	R600a/52g
	Capacity(L/Cu.Ft)	558/19.7
	Blood Storage Capacity	308(400ml blood bags)
	External/Inner Material	PCM/304 Stainless Steel
	Sound Level (dB)	45
Control	Controller	Microprocessor
	Display	LED
	Temperature Accuracy(°C)	0.1
	Temperature Uniformity(°C)	±1
	Temperature Volatility(°C)	<2
Dimensions	Product Dimensions(mm)(w*d*h)	750*810*1920
	Inerior Dimensions(mm)(w*d*h)	660*590*1560
	Load Capacity(40HQ)	28
	Net/Gross Weight(kg)	128/161
Electrical Date	Power Supply	220-240-/50/60
	Rated Power(W)	280
	Rated Current(A)	1.6
Functions	Power Failure Alarm	Y
	Sensor Failure Alarm	Y
	High Ambient Temperature Alarm	Y
	Low Battery Alarm	Y
	Door ajar Alarm	Y
	High/Low Temperature Alarm	Y
	Remote Alarm	Y
Accessories	Shelves/Drawers Qty	6
	Door	Foamed Glass Door
	Self-Lock	Optional
	Cable Port	1
	Casters/Type	4/Omni-directional 2/Fixed wheels
	USB	Y
	RS-485 Port	Optional
	Printer	Optional
Backup Battery Endurance(h)	15	

Combined Refrigerator and Freezer

Scope of Application

This products combines individual refrigerator and freezer together, which can apply the needs of multi-temperature storage. Suitable for hospitals, university laboratories, scientific research institutes, electronic industry, chemical industry, military industry.



MCD-25L350

Combined Refrigerator and Freezer



MCD-25L350

MCD-40L506



Dual Temperature Control System

Refrigerator and freezer that can be individually controlled; Temperature of refrigerator is 2-8°C, freezer can adjust from -10--25°C/-10--40°C. Microcomputer control with LED display, temperature accuracy 0.1°C; World famous brand compressor, energy saving, environmental protection, high efficiency and low noise.



Security system

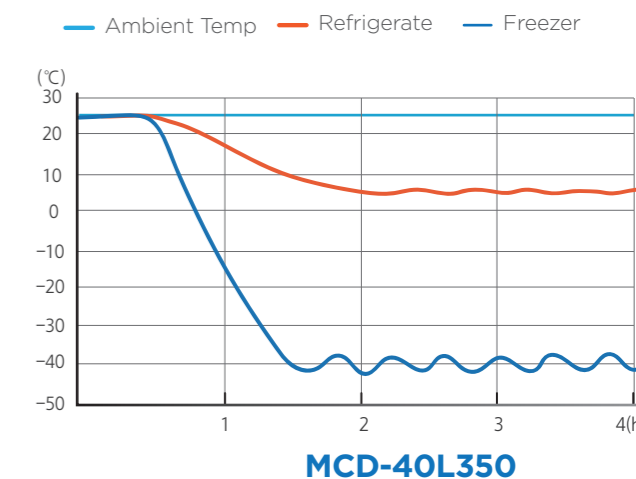
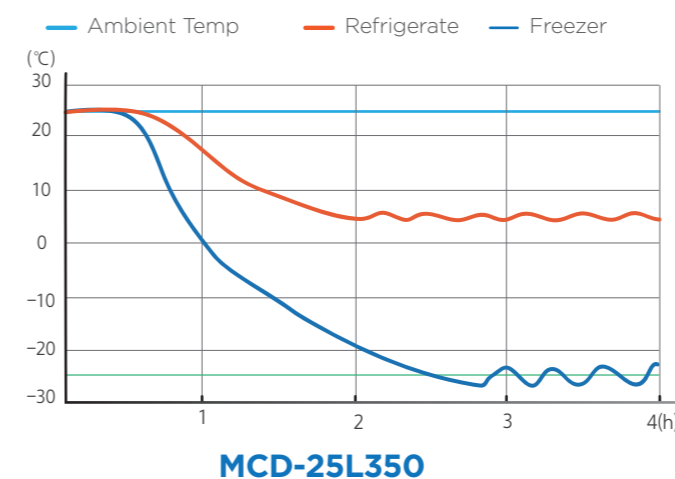
Perfect alarm systems: buzzer alarming with light flashing; High and low temperature alarm, power failure, sensor failure alarm, etc.







Humanized Design

PVC coated steel shelves for refrigerator; Fixed caster + universal wheel; Safety lock; Easy open handle; Multi layers for freezer, better temperature insulation; Wide voltage range design; Access port; Dry contacts.

Typical Performance Characteristics at 25°C Ambient



Product Image							
Item	Model	MCD-25L350			MCD-25L506		
Data	Cabinet Type	Upright			Upright		
	Climate Class	N			N		
	Cooling Type	Fridge:Forced air cooling/Freezer:Direct cooling			Fridge:Forced air cooling /Freezer:Direct cooling		
	Defrost Type	Fridge: auto Freezer: Manual			Fridge:auto Freezer:Manual		
	Refrigerant	Fridge:R600a/28g Freezer:R600a/45g			Fridge:R600a/38g Freezer:R290/70g		
	Capacity(L/Cu.Ft)	Fridge:206/7.27 Freezer:144/5.08			Fridge:247/8.72 Freezer:259/9.15		
	Externall/Inner Material	PCM/PCM			PCM/PCM		
	Sound Level(dB)	45			58	48	50
Control	Controller	Dual temperature and dual control			Dual temperature and dual control		
	Display	LED			LED		
	Temperature Accuracy(°C)	0.1			0.1		
	Temperature Uniformity(°C)	Fridge: ± 1.5°C/Freezer:≤3°C			Fridge: ± 1.5°C /Freezer:≤3°C		
	Temperature Volatility(°C)	Fridge:≤2°C			Fridge:≤2°C		
	Temperature Range(°C)	Fridge:2°C-8°C/Freezer:-10°C--25°C			Fridge:2°C-8°C/Freezer:-10°C--25°C		
Dimensions	Product Dimensions(mm)(w*d*h)	695*655*1920			866*811*1920		
	Inerior Dimensions(mm)(w*d*h)	Fridge:600*505*690/Freezer:540*480*560			Fridge:680*596*630/Freezer:680*620*650		
	Load Capacity(40HQ)	48			28		
	Net/Gross Weight(kg)	103/113	106/118	106/118	140/163	140/163	140/163
Electrical Date	Power Supply	115~V/60Hz	220~240V/60Hz	220-240~V/50Hz	115~V/60Hz	220-240~V/50Hz	220-240~V/50Hz
	Rated Power(W)	160	160	160	320	320	340
	Rated Current(A)	1.8	1.8	1.8	4	2	3
Functions	Power Failure Alarm	Y			Y		
	Sensor Failure Alarm	Y			Y		
	High Ambient Temperature Alarm	Y			Y		
	Low Battery Alarm	Y			Y		
	Door ajar Alarm	Y			Y		
	High/Low Temperature Alarm	Y			Y		
	Remote Alarm	Y			Y		
Accessories	Shelves/Drawers Qty	Fridge:3 Freezer:3			Fridge:3 Freezer:6		
	Door	Solid Door			Solid Door		
	Automatic door closing function	Y			Y		
	Cable Port	2			2		
	Casters/Type	4/Omni-directional			4/Omni-directional		
	USB	Y			Y		
	RS-485 Port	Y(Optional (either with USB))			Y(Optional (either with USB))		
	Printer	Optional			Optional		
	Backup Battery Endurance(h)	15			15		

Product Image							
Item	Model	MCD-40L350			MCD-40L506		
Data	Cabinet Type	Upright			Upright		
	Climate Class	N			N		
	Cooling Type	Fridge:Forced air cooling / Freezer:Direct cooling			Fridge:Forced air cooling/Freezer:Direct cooling		
	Defrost Type	Fridge: auto Freezer: Manual			Fridge: auto Freezer: Manual		
	Refrigerant	Fridge:R600a/28g Freezer:R290/45g			Fridge:R600a/38g Freezer:R290/70g		
	Capacity(L/Cu.Ft)	Fridge:206/7.27 Freezer:144/5.08			Fridge:247/8.72 Freezer:259/9.15		
	Externall/Inne Material	PCM/PCM			PCM/PCM		
	Sound Level (dB)	50			58	48	50
	Control	Controller	Dual temperature and dual control			Dual temperature and dual control	
Display		LED			LED		
Temperature Accuracy(°C)		0.1			0.1		
Temperature Uniformity(°C)		Fridge: ± 1.5°C/Freezer:≤3°C			Fridge: ± 1.5°C/Freezer:≤3°C		
Temperature Volatility(°C)		Fridge:≤2°C			Fridge:≤2°C		
Temperature Range(°C)		Fridge:2°C-8°C/Freezer:-10°C--40°C			Fridge:2°C-8°C/Freezer:-10°C--40°C		
Dimensions	Product Dimensions(mm)(w*d*h)	695*655*1920			866*811*1920		
	Inerior Dimensions(mm)(w*d*h)	Fridge:600*505*690/Freezer:540*480*560			Fridge:680*596*630/Freezer:680*620*650		
	Load Capacity(40HQ)	48			28		
	Net/Gross Weight(kg)	109/121	109/121	109/121	140/163	140/163	141/163
Electrical Date	Power Supply	115~V/60Hz	220~240V/60Hz	220-240~V/50Hz	115~V/60Hz	220-240~V/50Hz	220-240~V/50Hz
	Rated Power(W)	350	350	350	320	320	240
	Rated Current(A)	3.8	2	3.2	4	2	3
Functions	Power Failure Alarm	Y			Y		
	Sensor Failure Alarm	Y			Y		
	High Ambient Temperature Alarm	Y			Y		
	Low Battery Alarm	Y			Y		
	Door ajar Alarm	Y			Y		
	High/Low Temperature Alarm	Y			Y		
	Remote Alarm	Y			Y		
Accessories	Shelves/Drawers Qty	Fridge:3 Freezer:3			Fridge:3 Freezer:6		
	Door	Solid Door			Solid Door		
	Automatic door closing function	Y			Y		
	Cable Port	2			2		
	Casters/Type	4/Omni-directional			4/Omni-directional		
	USB	Y			Y		
	RS-485 Port	Y(Optional (either with USB))			Y(Optional (either with USB))		
	Printer	Optional			Optional		
	Backup Battery Endurance(h)	15			15		

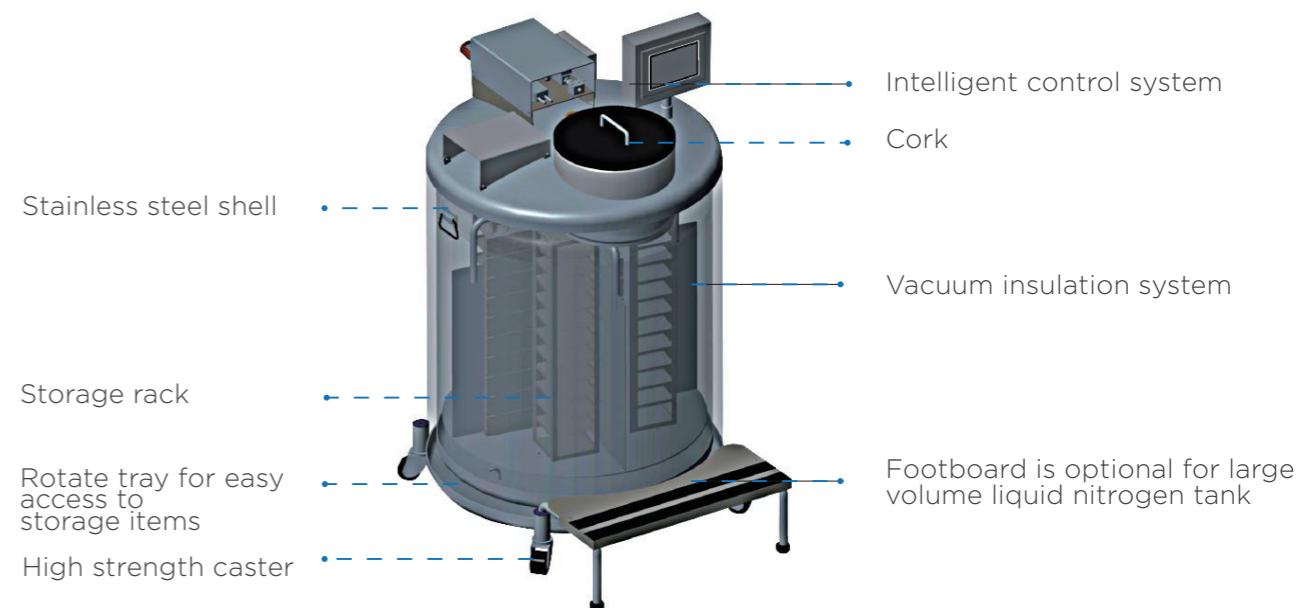
Stainless Steel Nitrogen Tank



Stainless Steel Nitrogen Tank

Stainless steel liquid nitrogen tank

Midea stainless steel liquid nitrogen tank can store a large number of samples under very low consumption of liquid nitrogen.



Product advantages



Midea biomedical stainless steel liquid nitrogen tanks provide excellent protection for biological samples. The liquid nitrogen tank is equipped with microprocessor and liquid nitrogen level monitoring system to ensure the stable operation of the system and the safety of samples.



Vacuum insulation technology ensure excellent internal temperature uniformity. For vapour storage. The temperature at the top is below $-160\text{ }^{\circ}\text{C}$ after the lid opened for four hours.



The system will automatically discharge nitrogen in the pipeline when filling liquid nitrogen, it can reduce the impact on the internal temperature of the tank and ensure the safety of the sample.



Midea biomedical liquid nitrogen tank has unique design to store more samples per unit area which can reduces storage costs for users.

Stainless Steel Nitrogen Tank

Aluminum alloy liquid nitrogen tank

Aluminum alloy liquid nitrogen tank has the characteristics of light weight, high strength at low temperature and corrosion resistance.

Models		YDD-370-320P	YDD-460-320P
Maximum Storage Capacity	2 ml Vials (Internal Thread)	15600	19500
	Freeze Rack (100 wells)	12	12
	Freeze Rack (25 wells)	4	4
	Layers of each Rack	12	15
Performance	Volume of LN2 (L)	370	460
	Volume of LN2 under the Tray (L)	55	55
Dimension	Inside Neck Diameter (mm)	320	320
	Operating Height (mm)	1130	1110
	Height (mm)	1460	1660
	Empty Weight (kg)	236.5	295



■ Laboratory liquid nitrogen tank

Laboratory liquid nitrogen tanks are used for long-term storage of laboratory.

■ Product features

Designed for large capacity storage;
Low liquid nitrogen consumption;
Convenient and lighter packaging;
Standard safety lock lid;
High strength and light Vacuum aluminum structure.

Models		YDD-850-465P	YDD-1000-465P	YDD-1800-635P
Maximum Storage Capacity	2 ml Vials (Internal Thread)	42900	49500	87750
	Freeze Rack (100 wells)	32	32	54
	Freeze Rack (25 wells)	4	4	18
	Layers of each Rack	13	15	15
Performance	Volume of LN2 (L)	850	1000	1800
	Volume of LN2 under the Tray (L)	135	135	350
Dimension	Inside Neck Diameter (mm)	465	465	635
	Operating Height (mm)	1120	1005	1135
	Height (mm)	1920	1952	1920
	Empty Weight (kg)	495	495	985



■ Portable liquid nitrogen tank

Portable liquid nitrogen tanks are designed for users with small storage requirements to facilitate the transportation of samples.

■ Product features

Suitable for small volume liquid storage;
Small amount of liquid nitrogen volatilization and simple maintenance;
Standard safety lock lid;
High strength and light Vacuum aluminum structure.

Stainless Steel Nitrogen Tank

■ Static liquid nitrogen tank

The static liquid nitrogen tank with both advantages of low liquid nitrogen consumption and large storage capacity. Large diameter facilitates frequent sample extraction.



■ Product features

The bottleneck of large openings;
Large capacity, low consumption of liquid nitrogen;
Standard safety lock lid;
High strength and light Vacuum aluminum structure.

■ Air transport liquid nitrogen tank

Air transport liquid nitrogen tank is suitable for air transport. Internal liquid nitrogen absorption body can absorb and save the liquid nitrogen, No liquid nitrogen spills out even the container is tipped. It also has special stainless steel screens to separate storage Spaces from liquid nitrogen sorbents, which can prevents liquid nitrogen sorbents from contaminating the cryovials.



■ Product features

Vapour liquid nitrogen storage;
Rapid liquid nitrogen filling;
Aluminum alloy structure, strong and durable;
Standard safety lock lid.

Models		YDS-35-125	YDS-50-125	YDS-95-216
Category		Laboratory liquid nitrogen tanks	Laboratory liquid nitrogen tanks	Laboratory liquid nitrogen tanks
Maximum Storage Capacity	No. of Rack	6	6	6
	1.2 & 2.0 ml Cryovials (100 / Box)	-	-	3000
Performance	1.2 & 2.0 ml Cryovials (25 / Box)	750	900	-
	Layer	5	6	5
	Volume of LN(L)	35	50	95
Dimension	Static Evaporation Rate* (L/Day)	0.36	0.45	0.95
	Static Holding Time (Day)	97	111	100
	Inside Neck Diameter (mm)	125	125	216
	Height (mm)	753	815	798
	Outer Diameter (mm)	451	498	678
	Empty weight (kg)	15.1	21.47	44.5

Models		YDS-3	YDS-6	YDS-13	YDS-10-80
Category		Portable liquid nitrogen tank		Static liquid nitrogen tank	
Maximum Storage Capacity	No. of Rack	6	6	6	6
	0.5ml Cryovials (100 / Box)	792	792	792	2244
	0.25ml Cryovials (100 / Box)	1788	1788	1788	5022
Performance	Volume of LN (L)	3	6	13	10
	Static Evaporation Rate* (L/Day)	0.12	0.12	0.13	0.21
	Static Holding Time*(Day)	25	50	100	48
Dimension	Inside Neck Diameter (mm)	50	50	50	80
	Height (mm)	445	482	725	568
	Outer Diameter (mm)	224	300	300	300
	Rack Height (mm)	120	120	120	120
	Rack Dimension (mm)	38	38	38	38
Empty weight (kg)		3.97	5.66	7.12	7.06

Stainless Steel Nitrogen Tank

Self-pressurized Series for LN2 Storage and Supply

The self-pressurized liquid nitrogen container uses the pressure generated by the gasification of a small amount of liquid nitrogen in the tank, so that the liquid nitrogen can be released automatically, so as to supplement the liquid nitrogen for other containers. Mainly used for transporting and storing liquid nitrogen. At present, it is widely used in animal husbandry, medicine, semiconductor, food, cryogenic chemical industry, aerospace, military and other industries and fields.

Models		YDS-115-216	YDS-145-216	YDS-175-216
Category		Laboratory liquid nitrogen tanks	Laboratory liquid nitrogen tanks	Laboratory liquid nitrogen tanks
Maximum Storage Capacity	No. of Rack	6	6	6
	1.2 & 2.0 ml Cryovials(100 / Box)	3600	4800	6000
Performance	1.2 & 2.0 ml Cryovials(25 / Box)	-	-	-
	Layer	6	8	10
	Volume of LN(L)	115	145	175
Dimension	Static EvapourationRate* (L/Day)	0.95	0.95	0.95
	Static Holding Time(Day)	121	153	184
	Inside Neck Diameter (mm)	216	216	216
	Height (mm)	950	1010	1087
	Outer Diameter (mm)	678	678	678
	Empty weight (kg)	52.5	55.5	58.5

Models		YDS-20	YDS-30	YDH-3	YDH-10-125	YDH-25-216
Category		Static liquid nitrogen tank		Air transport liquid nitrogen tank		
Maximum Storage Capacity	No. of Rack	6	6	1	-	-
	0.5ml Cryovials (100 / Box)	792	792	130	-	-
	0.25ml Cryovials (100 / Box)	1788	1788	298	-	-
Performance	Volume of LN (L)	20	30	3	10	25
	Static Evapouration Rate* (L/Day)	0.12	0.14	0.12	0.5	0.95
	Static Holding Time*(Day)	167	225	25	20	26
Dimension	Inside Neck Diameter (mm)	50	50	50	125	216
	Height (mm)	688	710	478	560	755
	Outer Diameter (mm)	395	451	224	300	398
	Rack Height (mm)	120	120	120	-	-
	Rack Dimension (mm)	38	38	38	-	-
	Empty weight (kg)	11.83	13.45	5.12	9.42	19.15



Product features

High strength stainless steel material;
Unique tank structure, better stability;

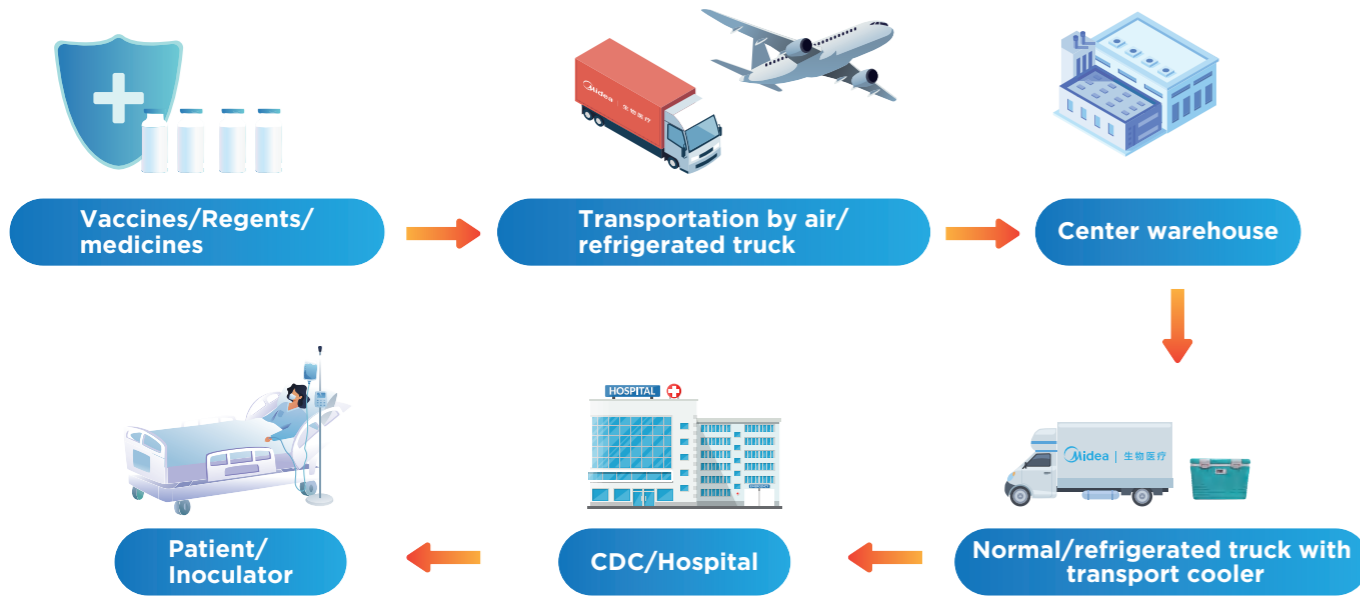
High quality universal wheel, more convenient to move;
Rotary ring construction;
Double safety valve design, safer to use.

Models		YDZ-50	YDZ-200	YDZ-300	YDZ-500
Performance	Volume of LN2 (L)	52	206	310	500
	Static Evapouration Rate* (L/Day)	2.8	1.2	1.2	1.4
	LN2 Output (L/Min)	≥8L/Min	≥8L/Min	≥8L/Min	≥15L/Min
Dimension	Outside Diameter (mm)	505	656	806	1008
	Height(mm)	1000	1480	1470	1500
	Empty weight(kg)	52	104	152	226.5
	Standard working pressure (Mpa)	0.05	0.05	0.05	0.05
	Maximum working pressure (Mpa)	0.09	0.09	0.09	0.09
	First stage safety valve relief pressure (Mpa)	0.099	0.099	0.099	0.099
Second stage safety valve release pressure (Mpa)	0.15	0.15	0.15	0.15	

Transport cooler

■ Scenarios

Transport vaccines/ drug/ reagents from different storage centers to various vaccination sites;
Road/ railway/Ocean transportation;



■ Key Features

Safety: One piece , seamless structure, leak-proof. Strap packing to prevent accidental drops
Reliable: With the advanced cryopreservation technology, we provide safe cold storage solution for 24/48/72 hours transport period.
LED Display: Easily monitoring the actual temperature inside the box, shows temperature with accuracy 30.1°C. Temperature data can be traced and logged.
Environment friendly foaming technology: The polyurethane foaming material we use is free of CFC, ensure low thermal conductivity and optimum insulation performance.
Ambient temperature: Designed for wide ambient temperature range from -35°C to 55°C.

Transport cooler

■ Highlights

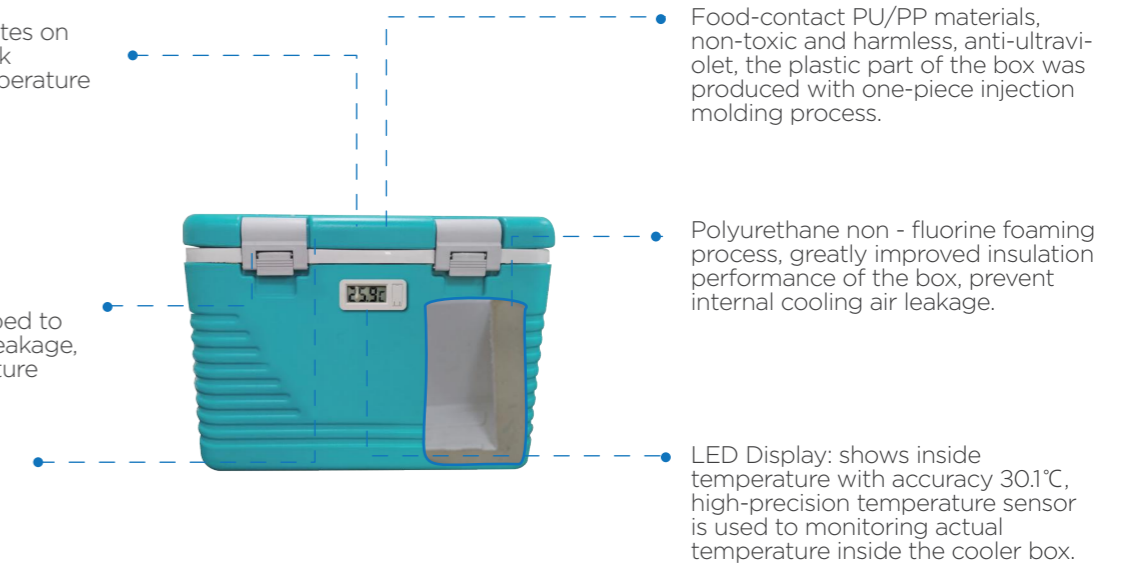
Plastic cold accumulation plates on the top, make the cold air sink naturally and ensure the temperature evenly in the box.



Sealing rubber strip is equipped to prevent internal cooling air leakage, to ensure long time temperature insulation.



High strength plastic lock and handle to prevent accidental opening. Straps is equipped for safe and convenient carrying.



Models	MZY-6	MZY-12	MZY-18	MZY-35	MZY-50
Product Image					
Gross Volume	6L	12L	18L	35L	50L
Material	PP/PU	HDPE+PU+PP	HDPE+PU+PP	HDPE+PU+PP	HDPE+PU+PP
Temp. Range	2-8°C	2-8°C	2-8°C	2-8°C	2-8°C
Handover time (Ambient temperature 32°)	24h	12-24h	8-12h	12h	24h
Thickness of cabinet	35mm	45mm	25mm	30mm	50mm
Product Dimensions (WxDxH mm)	340*234*275	424*263*310	424*263*310	570*305*375	535*415*520
Interior Dimensions (WxDxH mm)	234x145x170	325*165*220	363*203*244	475*245*280	430*290*405
Net Weight/KG (incl. Ice pack)	1.6KG	5.6KG	6.4KG	10KG	15.2KG
Basic Configuration	4 Ice pack	6 Ice pack, 1 strap, 1 tray	6 Ice pack, 1 strap, 1 tray	6 Ice pack, 1 strap, 1 tray	3 Ice pack
Cooling system	passive	passive	passive	passive	passive
Optional Configuration	temp. recorder, temp. display, lock	GPRS real-time temp. recorder, lock and temp. display	GPRS real-time temp. recorder, lock and temp. display	GPRS real-time temp. recorder, lock and temp. display	GPRS real-time temp. recorder, lock and temp. display

Freezer rack

Scope of Application

Midea's bio-medical freezer rack perfectly matches Midea's ultra-low temperature freezers of various models, and is compatible with all brands of ultra-low temperature in the industry, matching various standard-size cryogenic storage boxes in the market, maximizing the utilization of storage space and meeting the storage needs of various types of biobank.

Product features

Midea's biomedical freezer rack is made of high-quality 304 stainless steel, which is resistant to low temperature, abrasion and corrosion; environmental protection and safety. Midea Biomedical can provide three types of freezer racks: flat drawer type, side drawer type and single freezer rack.

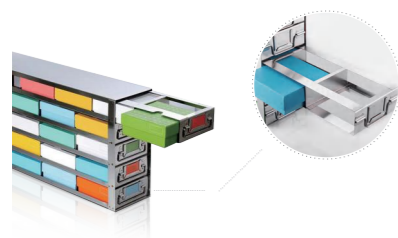
Sliding-drawer Freezer Rack

Made of super thick corrosion resistant stainless steel;
Sliding design for easy access;
Humanized handle design: with a low temperature resistant plastic ring to prevent the handle and the outer of rack from freezing, protecting the operator effectively;
With label slots for easy identification of samples;
The drawer with flanging edges design to avoid the risk of injury, with colored sample identification labels.



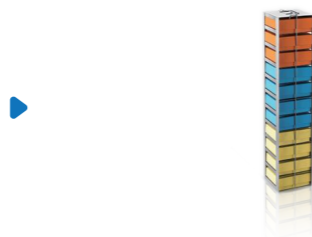
Side-access Freezer Rack

Made of super thick corrosion resistant stainless steel;
The special edges design to avoid the risk of injury;
Perfectly match up with standard sized freezer boxes;
Suitable for 2-inch and 1-inch freezer boxes, suitable for common low-temperature freezers in the market;
The side access design is more conducive to the side information marking of the freezer box and quick access to the freezer box;
Provide personalized customization.



Single Freezer Rack

Made of super thick corrosion resistant stainless steel;
Suitable for 2-inch and 1-inch freezer boxes, and suitable for international standard freezer;
The single freezer rack is simple in structure and easy to use, especially suitable for sample storage in liquid nitrogen tank.



Consumables

Scope of Application

Midea Biomedical provides a wide selection of freezer boxes to meet the storage needs of various conventional cryopreservation tubes for biobank.

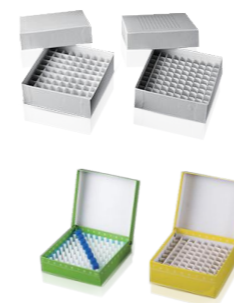
PP Freezer Box

Made of highly transparent polypropylene (PP) material, which can be repeatedly frozen and thawed, and stored for a long time;
The product can withstand temperature range: -90°C - -121°C ;
Resistant to alcohols and isothermal organic solvents;
International standard size, suitable for standard sized cryopreservation tubes and freezer racks;
Suitable for storing 0.5ml, 1.0ml and 2.0ml cryotubes and microtubes;
A variety of colors available, easy to distinguish and find samples.



PA Freezer Box

Made of durable cardboard, can be frozen and thawed repeatedly, and is not easy to frost;
According to different outer layers of paper, it can be divided into: ordinary white, film-coated and colored paper freezer boxes;
Resistant to alcohol and other mild organic solvents;
Product can withstand temperature range: -196°C - -121°C ;
Can be used for liquid nitrogen storage after drilling;
Removable lid (with writing area), the surface is easy to stick labels to distinguish;
Suitable for all standard freezer racks.



PC Freezer Box

Made of high-strength polycarbonate (PC) material, which can be repeatedly frozen and thawed, and stored for a long time;
The box can be used to store samples in ultra-low temperature freezer and liquid nitrogen tanks;
The product can withstand temperature range: -196°C - -121°C ;
Resistant to alcohols and other mild organic solvents;
The gap and line design of the box body is conducive to the rapid cooling of samples and the rapid discharge of liquid;
International standard size, suitable for standard sized cryopreservation tubes and freezer racks
Suitable for storing 0.5ml, 1.0ml and 2.0ml cryotubes and microtubes;
Highly transparent box cover design, and clear digital mark on the box body, easy to observe and find samples;
A variety of colors available, easy to distinguish samples;
The unique design of box corner ensures the accuracy of sample positioning.



Cryopreservation Tube

Made of high-strength, high-toughness medical grade polypropylene, which can be repeatedly frozen and thawed;
Maximum liquid storage capacity is 80% of the maximum scale;
Withstood temperature range: -196°C to 121°C , sustainable for high temperature and high pressure;
There is a sealing ring design in the cover to avoid sample leakage and ensure the safety of the sample in the tube;
A variety of color caps are available, easy to identify and distinguish samples.

