Medical & Laboratory cold storage system
Low Temperature Freezer
Temperature: -25/ -40°C
Capacity: 50 ~ 485L

Handle
Handle for easy operation,

MicrocomputerControl
Digital temperature display, ensure precise and stable running.
Heavy

Door Lock
Safety Lock to prevent unauthorized access which protects the storage in safe environment.

Heavy Duty Castors
Castors with break, easy moving and stop.

Low Temperature Freezer
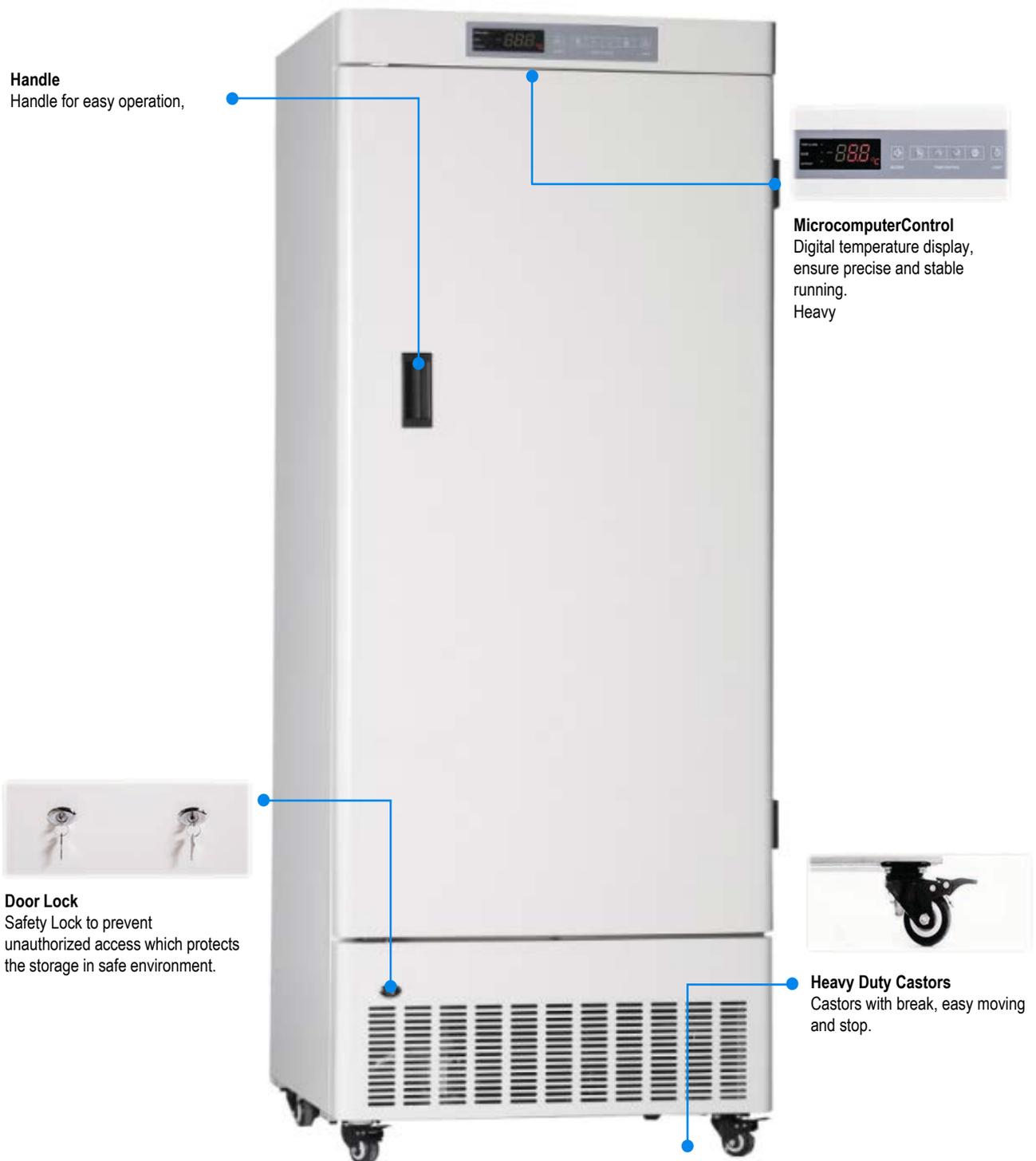
High efficient freezing system and good thermal insulation properties

Maintenance-free design condenser, do not need to clean the dust regularly.

All color sprayed steel body, easy to clean.

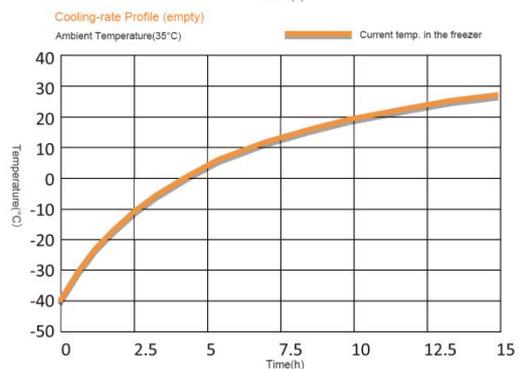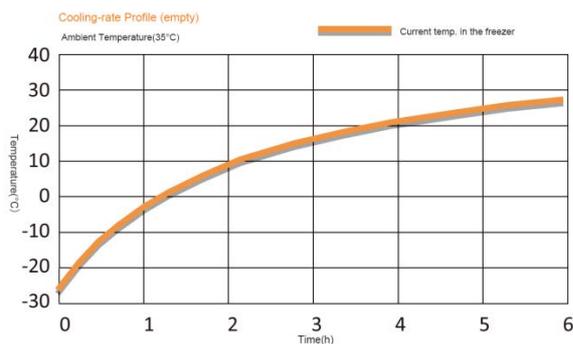Adjustable steel wire shelves, color sprayed steel inner door.

Low temperature freezer offers a large capacity storage space with fast temperature performance. Integrated design of cold shelf and evaporator provides additional refrigeration efficiency. This product is designed to store vaccines, blood plasma, and many other biological materials. Installations can be found in research institutions and clinical sites in life science, electronic testing and medical markets.

Temperature profile for -25°C

Cooling-rate Profile (empty)
Ambient Temperature(35°C)
Current temp. in the freezer

Cooling-rate Profile (empty)
Ambient Temperature(35°C)
Current temp. in the freezer

Temperature profile for -40°C

Cooling-rate Profile (empty)
Ambient Temperature(35°C)
Current temp. in the freezer

Cooling-rate Profile (empty)
Ambient Temperature(35°C)
Current temp. in the freezer

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ST-MDF-40V50

Model	ST-MDF-40V50	Capacity(L)	50
External Size(mm)	540 X 620 X 1115	N.W./G.W.(kg)	75/95
Inner Size(mm)	361 X 429 X 406		
Package Size(mm)	690 X 760 X 1170	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	250	Inner Material	304 Stainless steel
Setting Temp.(°C)	-10~-40	Shelves	1
Ambient Temp. (°C)	10-32	Noise(dBA)	≤51
Alarm System	High/low temperature, sensor failure		
Optional Accessories	Remote alarm system, cold storage racks & boxes		

ST-MDF-40V278W

Model	ST-MDF-40V278W	Capacity(L)	278
External Size(mm)	673 X 676 X1630	N.W./G.W.(kg)	86/101.5
Inner Size(mm)	508 X 519 X 1137		
Package Size(mm)	725 X 650 X 1875	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	593	Inner Material	Color sprayed steel
Setting Temp.(°C)	-30~-40	Shelves	3
Ambient Temp. (°C)	10-32	Noise(dBA)	≤53.5
Alarm System	High/low temperature, sensor failure		
Optional Accessories	Remote alarm system, cold storage basket		

ST-MDF-40V268E

Model	ST-MDF-40V268E	Capacity(L)	268
External Size(mm)	673 X 676 X1630	N.W./G.W.(kg)	98.5/115
Inner Size(mm)	508 X 519 X 1137		
Package Size(mm)	760 X 770 X 1800	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	593	Inner Material	Color sprayed steel
Setting Temp.(°C)	-30~-40	Shelves	3
Ambient Temp. (°C)	10-32	Noise(dBA)	≤53.5
Alarm System	High/low temperature, sensor failure, door ajar, power failure(8h)		
Optional Accessories	Remote alarm system, cold storage basket		

ST-MDF-40V328E

Model	ST-MDF-40V328E	Capacity(L)	328
External Size(mm)	673 X 676 X 1886	N.W./G.W.(kg)	113/131
Inner Size(mm)	508 X 519 X 1393		
Package Size(mm)	770 X 770 X 2040	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	613	Inner Material	Color sprayed steel
Setting Temp.(°C)	-30~-40	Shelves	4
Ambient Temp. (°C)	10-32	Noise(dBA)	≤54.5
Alarm System	High/low temperature, sensor failure, door ajar, power failure(8h)		
Optional Accessories	Remote alarm system, cold storage basket		

Low Temperature Freezer

ST-MDF-40H105

Model	ST-MDF-40H105	Capacity(L)	105
External Size(mm)	680 X 580 X 935	N.W./G.W.(kg)	62/69.5
Inner Size(mm)	480 X 380 X 665		
Package Size(mm)	770 X 705 X 1090	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	120	Inner Material	304 Stainless steel
Setting Temp.(°C)	-10~-40	Compressor/QTY	Brand/1
Ambient Temp. (°C)	10-32	Noise(dBA)	≤49
Alarm System	High/low temperature, sensor failure, power failure(8h)		
Optional Accessories	Remote alarm system		

ST-MDF-40H485

Model	ST-MDF-40H485	Capacity(L)	485
External Size(mm)	1695 X 805 X 955	N.W./G.W.(kg)	124/138.5
Inner Size(mm)	1455 X 525 X 665		
Package Size(mm)	1775 X 900 X 1050	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	295	Inner Material	304 Stainless steel
Setting Temp.(°C)	-10~-40	Compressor/QTY	Brand/1
Ambient Temp. (°C)	10-32	Noise(dBA)	≤52
Alarm System	High/low temperature, sensor failure, power failure(8h)		
Optional Accessories	Remote alarm system		

ST-MDF-40V278W

Model	ST-MDF-40V278W	Capacity(L)	278
External Size(mm)	673 X 676 X1630	N.W./G.W.(kg)	86/101.5
Inner Size(mm)	508 X 519 X 1137		
Package Size(mm)	725 X 650 X 1875	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	593	Inner Material	Color sprayed steel
Setting Temp.(°C)	-30~-40	Shelves	3
Ambient Temp. (°C)	10-32	Noise(dBA)	≤53.5
Alarm System	High/low temperature, sensor failure		
Optional Accessories	Remote alarm system, cold storage basket		

ST-MDF-25V268E

Model	ST-MDF-25V268E	Capacity(L)	268
External Size(mm)	673 X 676 X1630	N.W./G.W.(kg)	98.5/115
Inner Size(mm)	508 X 519 X 1137		
Package Size(mm)	760 X 770 X 1800	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	593	Inner Material	Color sprayed steel
Setting Temp.(°C)	-10~-25	Shelves	3
Ambient Temp. (°C)	10-32	Noise(dBA)	≤51
Alarm System	High/low temperature, sensor failure, door ajar, power failure(8h)		
Optional Accessories	Remote alarm system, cold storage basket		

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ST-MDF-25V328E

Model	ST-MDF-25V328E	Capacity(L)	328
External Size(mm)	673 X 676 X 1886	N.W./G.W.(kg)	113/131
Inner Size(mm)	508 X 519 X 1393		
Package Size(mm)	770 X 770 X 2040	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	613	Inner Material	Color sprayed steel
Setting Temp.(°C)	-10~-25	Shelves	4
Ambient Temp. (°C)	10-32	Noise(dBA)	≤52
Alarm System	High/low temperature, sensor failure, door ajar, power failure(8h)		
Optional Accessories	Remote alarm system, cold storage basket		

ST-MDF-25H100

Model	ST-MDF-25H100	Capacity(L)	100
External Size(mm)	570 X 580 X 880	N.W./G.W.(kg)	27.5/32
Inner Size(mm)	450 X 375 X 705		
Package Size(mm)	620 X 580 X 915	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	87	Inner Material	Embossed Al board
Setting Temp.(°C)	-10~-25	Compressor/QTY	Brand/1
Ambient Temp. (°C)	10-32	Noise(dBA)	≤46
Alarm System	High/low temperature, sensor failure, power failure(8h)		
Optional Accessories	Remote alarm system		

ST-MDF-25H200

Model	ST-MDF-25H200	Capacity(L)	485
External Size(mm)	865 X 660 X 875	N.W./G.W.(kg)	36/40
Inner Size(mm)	735 X 440 X 685		
Package Size(mm)	920 X 670 X 920	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	100	Inner Material	Embossed Al board
Setting Temp.(°C)	-10~-25	Compressor/QTY	Brand/1
Ambient Temp. (°C)	10-32	Noise(dBA)	≤46
Alarm System	High/low temperature, sensor failure, power failure(8h)		
Optional Accessories	Remote alarm system		

ST-MDF-25H300

Model	ST-MDF-25H300	Capacity(L)	50
External Size(mm)	1120 X 745 X 875	N.W./G.W.(kg)	42.5/50
Inner Size(mm)	970 X 490 X 660		
Package Size(mm)	1170 X 750 X 910	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	120	Inner Material	Embossed Al board
Setting Temp.(°C)	-10~-25	Compressor/QTY	Brand/1
Ambient Temp. (°C)	10-32	Noise(dB)	≤46
Alarm System	High/low temperature, sensor failure, power failure(8h)		
Optional Accessories	Remote alarm system		