2—8°C Pharmacy Refrigerator

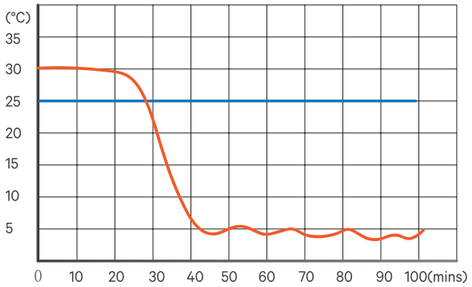
Pharmacy refrigerators are designed to store vaccines, medicines, and laboratory products within the temperature range of 2°C to 8°C. They are ideal for use in pharmacies, pharmaceutical factories, hospitals, CDC, clinics, and laboratories. Featuring leading technologies, they ensure safer storage and higher temperature stability.

SLHC-MC-5L416

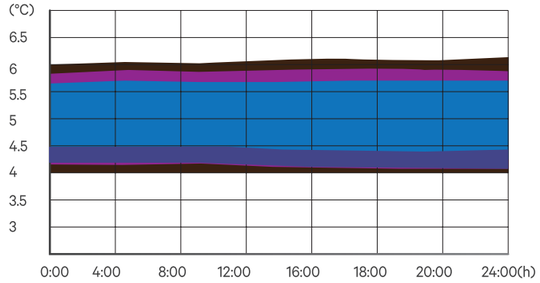
1. **Dual displays**
   Displaying both real-time temperature and humidity provides safer management of stored products.
2. **USB Port**
3. **Top Cooling**
   Improves temperature variation performance by 40% and cooling efficiency by 15%.
4. **Built-in air duct**
   Increases the effective interior space by 10%.
5. **DC Turbo Fan**
6. **Electric heating glass door**
   Effective anti-condensation.
7. **Inverter compressor**

Typical performance characteristics at 25°C ambient temperature

Temperature drop curve
Ambient temp



Temperature uniformity graph



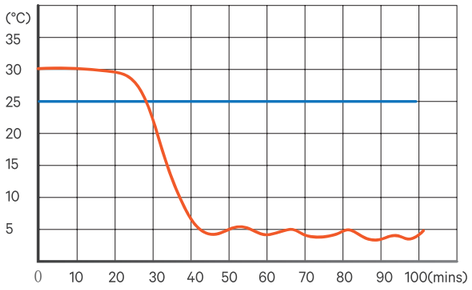
SLHC-MC-5L756

1. **Dual Display**
   Displaying both real-time temperature and humidity provides safer management of stored products.
2. **USB Port**
3. **Top Cooling**
   Improves temperature variation performance by 40% and cooling efficiency by 15%.
4. **Built-in air duct**
   Increases the effective interior space by 10%.
5. **DC Turbo Fan**
6. **Electric heating glass door**
   Effective anti-condensation.
7. **Inverter compressor**

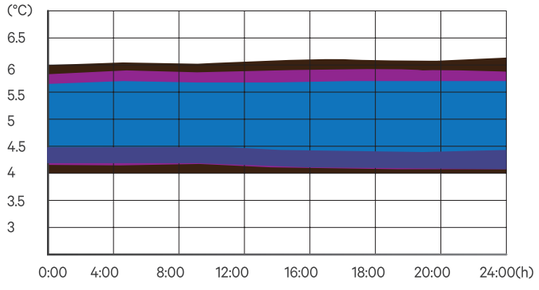
Typical performance characteristics at 25°C ambient temperature

Temperature drop curve

Ambient temparature



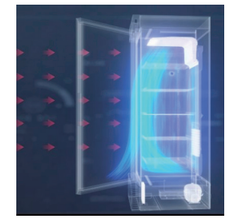
Temperature uniformity graph



Discover the top cooling technology

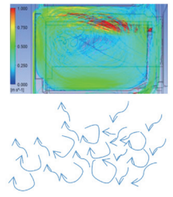
Top cooling system

Strong cooling airflow from top to bottom acts as an air curtain, blocking external hot air from entering the refrigerator when the door is open. This prevents rapid temperature rise in the cabinet and contributes to better temperature uniformity performance.

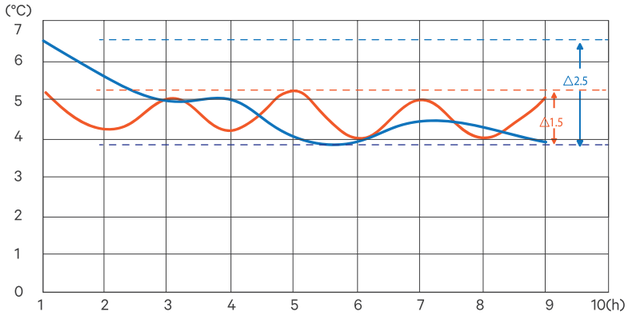


Traditional cooling system

Air flow with disorderly directions, unsatisfying temperature uniformity performance.



Advantages

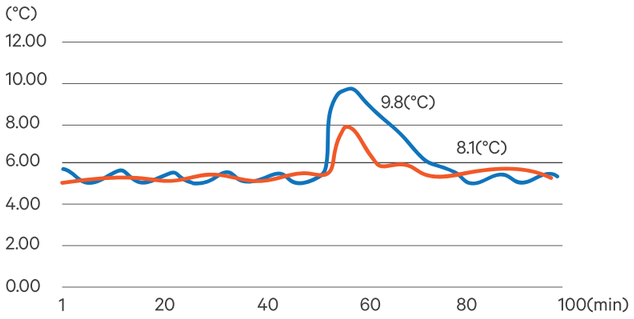


Temperature uniformity curve

Normal refrigerator

Top cooling refrigerator

Improves temperature uniformity performance by 40%, ensuring a maximum interior temperature difference of ±1°C. This provides better protection for temperature-sensitive medicines and samples.

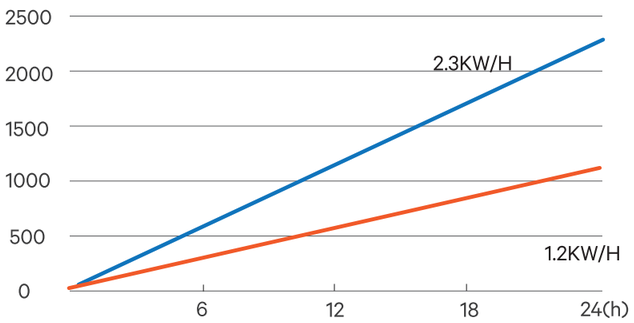


Temperature change curve when door is open

Normal refrigerator

Top cooling refrigerator

Prevent temperature from rising rapidly when door is open.
Temperature rises much slower compared to a standard pharmacy refrigerator.

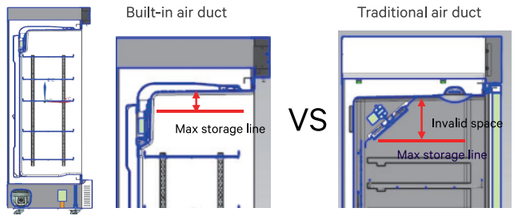


Energy consumption curve

Normal refrigerator

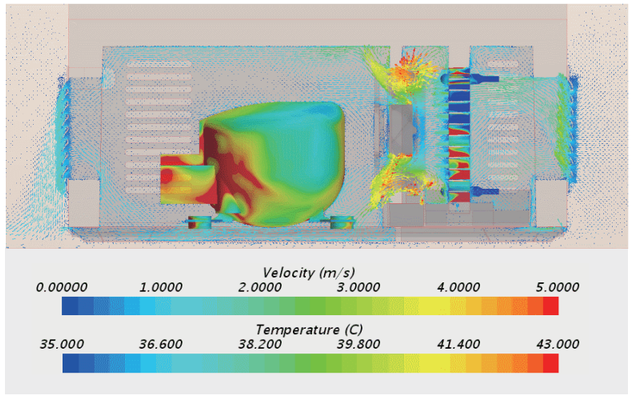
Top cooling refrigerator

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



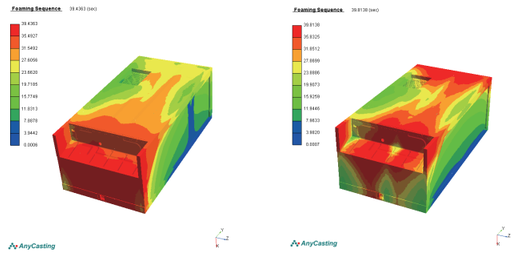
Built-in air duct

Increase effective interior space by 10%, reducing interior space occupancy. The built-in air duct, combined with top cooling design, ensures that the temperature in the top of the chamber is cool enough for storage.



Micro-channel condenser

Compressor overheating protection effectively improves the service life of the core part. Powerful heat dissipation for the condenser increases heat exchange capacity by more than 20% compared to the common copper tube fin condensers from other suppliers.

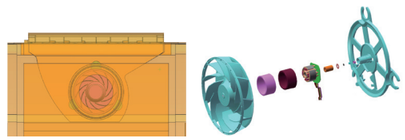


Before Improvement

After Improvement

LBA forming technology

Introducing the world's leading fourth-generation foaming agent:
Better insulation for increased energy efficiency.
More reasonable foaming layer design for higher space utilization rates.

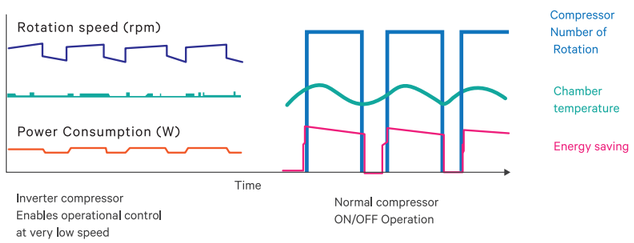


DC turbo fan

Decreases 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.

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



Inverter compressor

Improves cooling performance, reduces energy consumption by 15%, decreases noise level, and enhances quick-cooling ability by 20%. Maintains 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
- The alarm temperature can be set as required
- Temperature uniformity ≤3.5°C
- Built-in battery , continuously showing the real-time chamber temperature after power off
- Safety lock

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
- Patented D+ heat exchange technology, high efficiency and energy saving

Security system

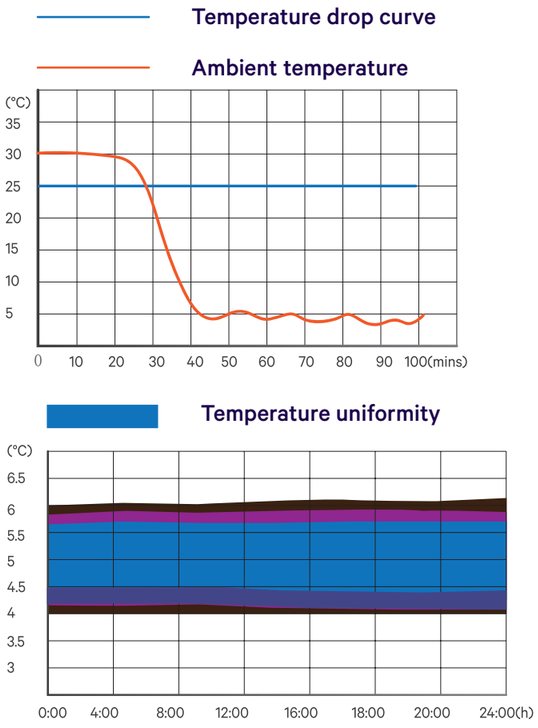
- Perfect audible & visual alarm systems: high and low temperature alarm, power failure, sensor failure alarm, door open alarm etc.

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
- Adjustable LED light; wide voltage range design
- Built-in USB data logger, all data can be traced and printed
- Printer optional
- Wide voltage range design for unstable power supply areas

1 Display panel
2 USB Port
3 DC Turbo Fan
4 Adjustable shelf
5 Backup battery
6 LOW-E glass door

Typical performance characteristics at 25°C ambient temperature



Key features

Safety & temperature stability

- Microcomputer control, temperature accuracy 0.1°C
- Digital display, adjustable temperature ranges 2°C-8°C; temperature variation ≤2°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, door self-lock
- Wide Voltage range for unstable power supply

Refrigeration system

- International famous compressor, energy saving, rapid cooling
- High efficient air flow design
- DC turbo fan, high efficiency and energy saving, low noise and long service life
- LBA forming technology, better insulation, more energy-saving, higher space utilization
- Micro-channel condenser, high efficiency compressor overheating protection
- Patented D+ heat exchange technology, high efficiency and energy saving
- CFC free, environment friendly

Humanized design

- Low-E glass door, effectively preventing condensation
- Multi-layer shelves design, removable and with label card
- Adjustable LED light

		SLHC-MC-5L126	SLHC-MC-5L316B
			
Dimensions	Load capacity (40HQ)	162	54
	Fridge Storage Volume(L)	126	316
	Product Dimensions(mm)(wxdxh)	595*615*810	595*603*1920
	Interior Dimensions(mm)(wxdxh)	505*467*620	500*464*1343
	Net/Gross Weight	43/48	68/76
Technical data	Cooling Type	Forced air cooling	Forced air cooling
	Defrost type	No frost	No frost
	Climate Class	N	N
	Refrigerant/Amount(g)	R600a/26g	R600/36g
	Compressor type	Fixed frequency	Fixed frequency
	Sensor Qty	3	3
Product Performance	Temperature Range	2 ~ 8 °C	2 ~ 8 °C
	Temperature uniformity/°C	2	2
	Temperature volatility/°C	2	2
	Temperature Accuracy	0.1	0.1
Control	Controller	Microprocessor	Microprocessor
	Display	LCD display	LED
Electrical Data	Rated Current(A)	1	1
	Rated Power(W)	75	190
Alarms	High Temperature Alarm	Y	Y
	Low Temperature Alarm	Y	Y
	Power Failure Alarm	N	Y
	Sensor Failure alarm	Y	Y
	Environment Temperature Alarm	Y	Y
	Door ajar Alarm	Y	Y
	Remote Alarm	Y	Optional
Accessories	Shelves/Drawers Qty	2/1	5
	Anti-condensation Door	LOW-E glass	Electrical heating
	Self-lock	Y	Y
	Label Card Holder	Optional	Y
	Cable Port	Y	Y
	Castors/type	N	4/Omni-directional
	USB	Optional	N
	RS-485 Port	N	N
	Printer	N	Optional
	Backup Battery	Y	N
	Backup Battery endurance	24h	/

SLHC-MC-5L316	SLHC-MC-5L416	SLHC-MC-5L756	SLHC-MC-5L1006
			
54	48	28	23
316	416	756	1006
595*603*1920	690*653*1920	970*808*1920	1220*808*1920
500*464*1343	595*514*1343	880*634*1354	1130*634*1354
72/81	88/97	140/161	160/84
Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling
No frost	No frost	No frost	No frost
N	N	N	N
R600/36g	R600/36g	R600a/48g	R600a/60g
Fixed frequency	Inverter	Inverter	Inverter
6	6	6	6
2 ~ 8 °C	2 ~ 8 °C	2 ~ 8 °C	2 ~ 8 °C
2	2	3	3
2	2	2	2
0.1	0.1	0.1	0.1
Microprocessor	Microprocessor	Microprocessor	Microprocessor
LED(Temperature &Humidity)	LED(Temperature &Humidity)	LED(Temperature &Humidity)	LED(Temperature &Humidity)
1.5	1.5	1.8	2.2
190	260	320	380
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y
Optional	Optional	Optional	Optional
5	5	10	10
Electrical heating	Electrical heating	Electrical heating	Electrical heating
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y
4/Omni-directional	4/Omni-directional	4/Omni-directional	4/Omni-directional
Y	Y	Y	Y
Y	Y	Y	Y
Optional	Optional	Optional	Optional
Y	Y	Y	Y
24h	24h	24h	24h