

Description:-

The DARSUN DSC-40L450 is a high-performance **Combined Refrigerator & Freezer** designed for reliable cold storage in demanding environments. With a sleek upright design, durable stainless-steel construction, and energy-efficient operation, it ensures safe and consistent preservation of sensitive products. The top chamber functions as a refrigerator for optimal freshness, while the lower chamber operates as a freezer for long-term storage. Its digital control panel provides precise temperature monitoring, and the interior is equipped with adjustable shelves and modular storage bins for flexible organization.

Environmentally Friendly & High-efficiency

Environmentally-friendly Freon-free refrigerant and high-efficiency compressor supplied by an international famous brand ensure energy saving and high efficiency.

Refrigeration System

Two compressors and separate control of the upper refrigeration chamber and the lower freezing chamber

High-precision Computerized Temperature Control

The digital temperature display can indicate operating status clearly, and users may set the high temperature/low temperature alarm points based on their needs

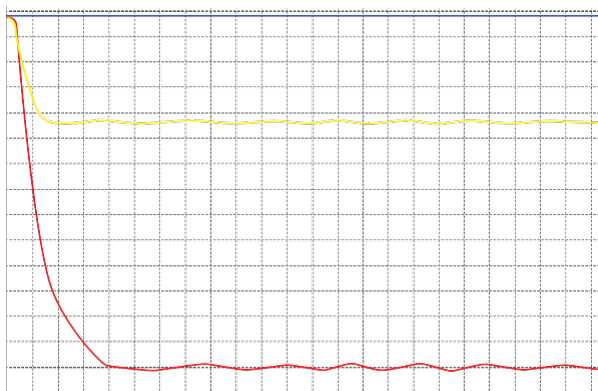
Thermal Insulation System

The CFC-free polyurethane foam technology and the thicker insulating layer can improve the effect of thermal insulation.

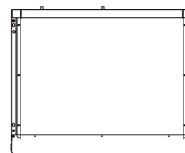
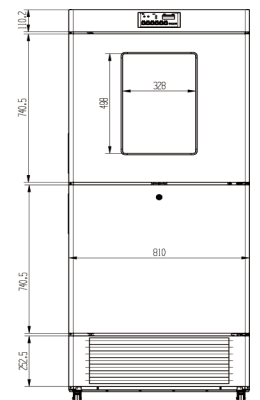
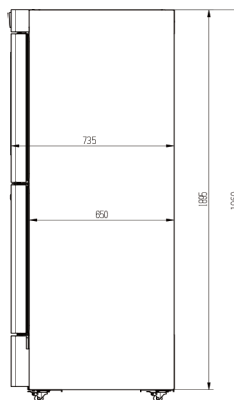


Performance Data / Cooling Curve

Refrigerator Cooling — Freezer Cooling — Air Temp —



External Dimensions



-40°C Deep Freezer

2~8°C /-10~-40°C Combined Refrigerator & Freezer	
Model	DSC-40L450
Cabinet Type	Upright
Capacity(L)	450,R:225,F:225
Internal Size(W*D*H)mm	R:650*570*627, F:650*570*627
External Size(W*D*H)mm	810*735*1960
Package Size(W*D*H)mm	895*820*2127
NW/GW(Kgs)	144/156
Performance	
Temperature Range	R:2~8°C, F:-10~-40°C
Ambient Temperature	16-32°C
Cooling Performance	R:5°C, F:-40°C
Climate Class	N
Controller	Microprocessor
Display	Digital display
Refrigeration	
Compressor	2pcs
Cooling Method	R: Forced air cooling, F:Direct cooling
Defrost Mode	R:Automatic, F:Manual
Refrigerant	R:R600a, F:R290
Insulation Thickness(mm)	R : 80, F : 80
Construction	
External Material	Powder coated material
Inner Material	Aluminum plate with spraying
Shelves	R:3(coated steel wired shelf),F:6(ABS)
Door Lock with Key	Yes
Lighting	LED
Access Port	2
Casters	4 (2 casters with brake)
Data Logging/Interval/Recording Time	USB/Record every 10 minutes / 2 years
Door with Heater	Yes
Backup battery	Yes
Alarm	
Temperature	High/Low temperature, High ambient temperature
Electrical	Power failure, Low battery
System	Sensor failure,Door ajar,USB datalogger failure,Communication failure
Electrical	
Power Supply(V/HZ)	220-240~/50
Power(W)	374
Power Consumption(KWh/24h)	4.95
Rated Current(A)	3.12
Accessories	
Standard	RS485,Remote alarm contact





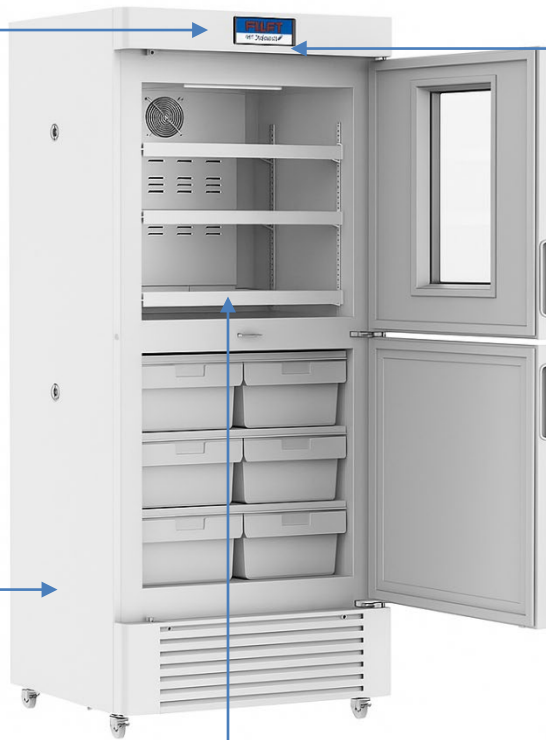
Temperature Control System

High-precision microcomputer temperature control system with built-in control/alarm sensors for High/low temperature, ambient temperature and evaporator temperature etc. ensuring the safe and stable running; ·1inch high brightness digital temperature display with 0.1°C display precision; the temperature can be set freely



Security System...

Perfect audible and visual alarm system makes it safer for storage. Equipped with alarm functions including high/low temperature alarm, high ambient temperature alarm, sensor failure alarm, door ajar alarm, power failure alarm etc; ·Buzzer alarm for the door opening more than 1 minute, alarm automatically muted when the door closed.



Refrigeration System

Equipped with high-efficiency compressor and international brand fan, ensuring energy saving and silent running; · Two compressors and separate control of the upper refrigeration chamber and the lower freezing chamber.

Human-oriented

The freezing chamber interior is equipped with 6 drawers , refrigerating chamber 3 coated steel wired shelf for object storage; ·4casters for the front and back 2front casters with lock.





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