

**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

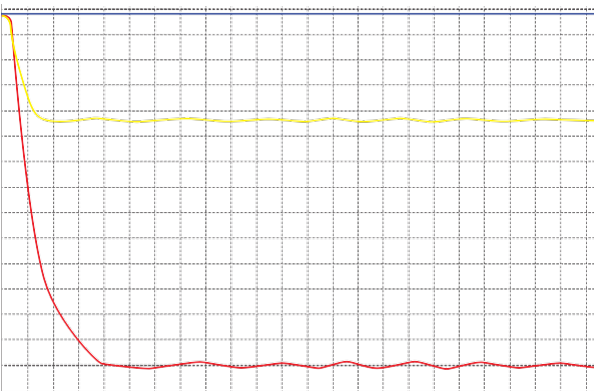
**Thermal Insulation System**

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

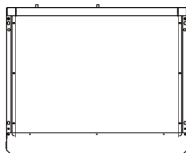
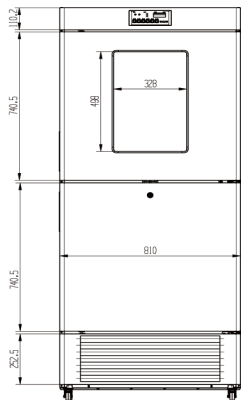
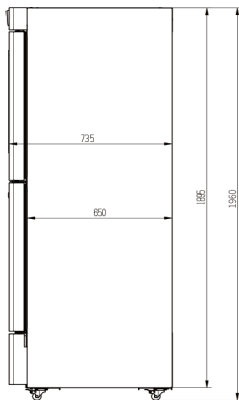


**Performance Data / Cooling Curve**

Refrigerator Cooling — Freezer Cooling — Air Temp —



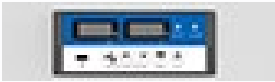
**External Dimensions**



## Refrigerator with Freezer (-40°C)

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





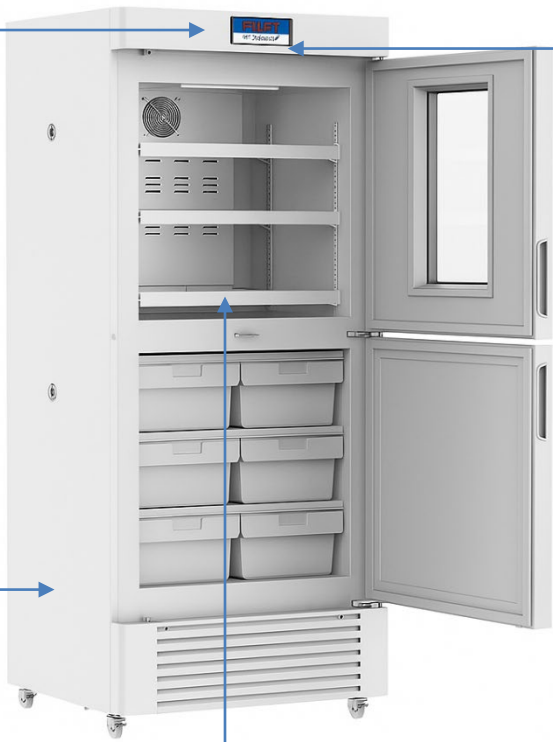
### Temperature Control System

High-precision microcomputer temperature control system with build-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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