

Freezer

MDF-U349VHI/549VHI



MDF-U349VHI



MDF-U549VHI

Rapid cooling, energy-saving,
environmental-friendly

Variable Frequency compressor with VIP vacuum
insulation foaming technology

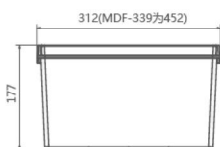


Drawer quantity & dimensions (mm) of

series biological freezers



MDF-U349VHI
6 drawers



MDF-U549VHI
12 drawers



Biomedical Freezer MDF -U349VHI/549VHI

Product features

Rapid cooling

- Origin import compressor with HC refrigerant, pull-down speed is increased by 26%

Energy-saving & Environmental-friendly

- Compared to products with the same capacity, energy consumption is reduced by 50%
- Freon-free HC refrigerant, environmental-friendly

Warm-keeping performance

- With VIP vacuum insulation technology, insulation index is 13 times as high as that of traditional polyurethane foamed materials, thermal conductivity is < 0.0018W/mk; warm-keeping performance is improved by 25%
- With magnetic door gasket, cold air loss is better prevented

Product advantage

- Microcomputer control, nonvolatile operation, memory-maintained function, digital temperature display
- Direct-cooling refrigeration of evaporator coil plus pre-embedded evaporator can prevent pipeline corrosion due to long-term use and dew growth caused by out-built refrigeration coil

User-friendly design

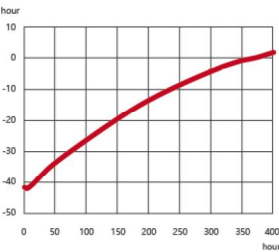
- Optional padlock ensures sample safety
- Height-adjustable shelf divides the chamber into different sized storage spaces, which maximizes storage efficiency in case of long-term use.
- Painted-steel-made exterior and interior, beautiful and durable, rust-proof and corrosion-proof

Technical parameters

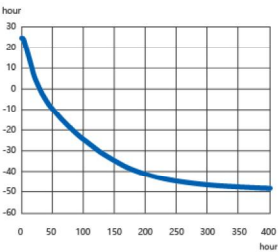
Model	MDF-U349VHI	MDF-U549VHI
Temperature range	-20~-40℃ (0.1℃, AT: 5~30℃)	
Effective capacity	369L	504L
External dimensions	W616×D770×H1806mm	W793×D770×H1806mm
Internal dimensions	W472×D614×H1262mm	W649×D614×H1262mm
Net/gross weight	138kg/157kg	164kg/187kg
Temperature fluctuation	Temperature uniformity±3℃	
Exterior/interior	Painted steel	
Thickness of foamed wall	72mm	
Access port	Diameter: 30mm (rear)	
Door lock	Yes	
Shelf	6-layer shelf (6)	
Compressor	Inverter compressor	
Cooling method	Direct-cooling	
Condenser	Wire condenser	
Condenser motor	Kusatsu motor	
Refrigerant	HC refrigerant(R290)	
Accessory	Key (1 set), defrost shovel (1), nylon clip (1 big and 1 small) inner container (6)	Key (1 set), defrost shovel (1), nylon clip (1 big and 1 small) inner container (12)
Power supply	220V	
Rated input power	154W	179W
Power consumption	3.8kW.h/24h	4.5kW.h/24h
Sensor	NTC	
Alarm	High/low temperature alarm, sensor abnormal alarm, power failure alarm, compressor protection alarm, remote alarm output, etc.	

Performance data

Pull-up characteristics

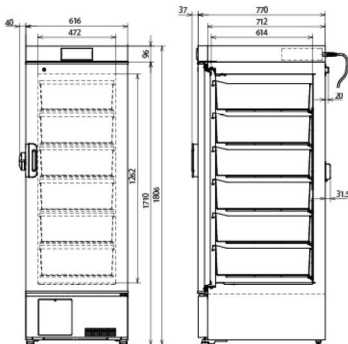


Pull-down characteristics



MDF-U349VHI Chamber Temperature

MDF-U349VHI external dimensions (mm)



MDF-U549VHI external dimensions (mm)

