

## Freezer

### MDF-U349VHI/549VHI



MDF-U349VHI



MDF-U549VHI

**Rapid cooling, energy-saving,  
environmental-friendly**

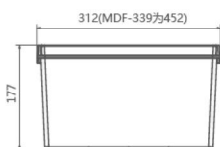
**Variable Frequency compressor** with VIP vacuum  
insulation foaming technology



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  $< 0.0018 \text{ W/mk}$ ; 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

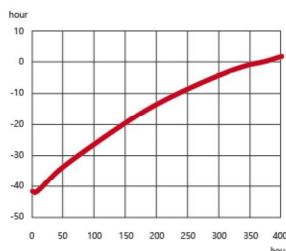
- Optional padlock ensures sample safety
- Height-adjustable shelf divides the chamber into different sized storage spaces, which maximizes storage efficiency in case of long-term use.
- Painted-steel-made exterior and interior, beautiful and durable, rust-proof and corrosion-proof

## Technical parameters

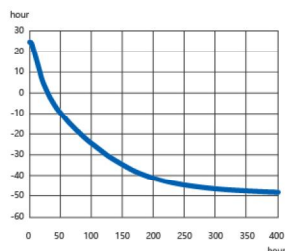
Model	MDF-U349VHI	MDF-U549VHI
Temperature range	$-20 \sim -40^{\circ}\text{C}$ (0.1 $^{\circ}\text{C}$ , AT: 5 $\sim$ 30 $^{\circ}\text{C}$ )	
Effective capacity	369L	504L
External dimensions	W616×D770×H1806mm	W793×D770×H1806mm
Internal dimensions	W472×D614×H1262mm	W649×D614×H1262mm
Net/gross weight	138kg/157kg	164kg/187kg
Temperature fluctuation	Temperature uniformity $\pm 3^{\circ}\text{C}$	
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

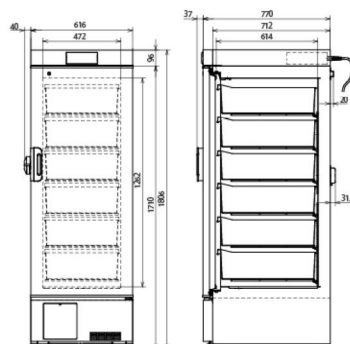


Pull-down characteristics

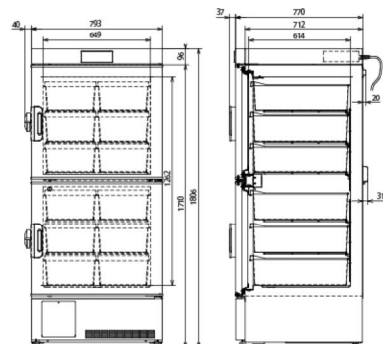


MDF-U349VHI Chamber Temperature

## MDF-U349VHI external dimensions (mm)



## MDF-U549VHI external dimensions (mm)



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Technical parameters and specifications are for reference not order basis.  
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Please in kind prevail.