

# Alphavita

BIO SCIENTIFIC

This product was originally from Panasonic

## ULT Freezer

### MDF-U392VHI



MDF-U392VHI

Temperature range: -50~-90°C

(AT: 10~30°C, division value: 0.1°C)

External dimensions: W750×D875×H1850

Effective capacity: 330L



HC cooling system (inverter compressor) + VIP PLUS warm-keeping design provides safe and stable low-temp preservation environment



## Product feature



### Inverter refrigeration

- Through detection of set temperature and temp change in real time to adjust the running power of compressor, so that to realize continuous and stable control of chamber temperature
- More uniform chamber temperature and improved energy-saving by lowering the running power of compressor during stable operation
- Increase the running power of compressor at the time of start-up or sample-in (door opening) for faster pull-down and safer sample preservation



### Safety configuration

- Cascade cooling technology with HC refrigerant brings faster pull-down and guarantees sample safety
- Standard expansion tank to stabilize cooling system pressure in case of rapid pressure change caused by AT change or any other reasons, so as to maintain normal compressor operation and extend service life
- Password protection for core parameters prevents unnecessary losses from mis-operation



### Optimized insulation technology

- Design of V-Uacua insulation materials+PU foaming improves the insulation effect to a new high and warm-keeping performance by 20%



### Energy-saving

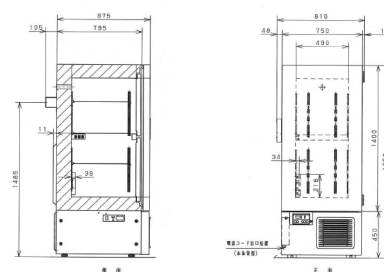
- Natural refrigerant, CFC free and environmentally-friendly; sealed refrigerant is significantly reduced (less than national standard 150g), safe and reliable
- Energy consumption for per vial is reduced to a new low, energy consumption for the unit is reduced by 30%



### Consumables layout solution

Model	2ml vial	0.5ml vial
MDF-U392VHI	21600	28800

### External dimensions (mm)



## Specifications

Model	MDF-U392VHI
Temperature range	-40~-86℃ (every shift 0.1℃, ambient temperature 10~30℃)
External dimensions	W750×D875×H1850
Internal dimensions	W490×D600×H1140
Effective capacity	330L
Net weight	258kg
External material	Electrogalvanized steel plate, coated with polyester resin powder
Access port	17mm diameter, 2 positions
Insulation material	Polyurethane foam+Vacuum insulation Board (VIP board)
Compressor	Inverter compressor
Evaporator	Coiled tube
Refrigerant	HC refrigerant
Temperature controller	Microprocessor control system
Temperature sensor	Platinum Resistance (Pt 1000)
Alarm device	High/low temperature alarm, power failure, remote alarm, sensor abnormal self-diagnosis, condensation sensor high temperature alarm
Accessory	Keys (1 set), shelves (3), defrost shovel (1)
Power supply	Single phase: 100~120V/220~240V 50/60Hz
Electric shock resistance	1 class
Optional parts	Cryo rack, carbon dioxide backup device
Storage capacity (2ml)	21600 tube

**Alphavita**  
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