

Freezer

MDF-U392VHI / U682VHI / U782VHI

MDF-U782VHI

Temperature range: -50~-86°C

(AT: 10~30°C, division value: 0.1°C)

External dimensions: W1180×D875×H1990

Effective dimensions: 706L



MDF-U392VHI

Temperature range: -50~-90°C

(AT: 10~30°C, division value: 0.1°C)

External dimensions: W750×D875×H1850

Effective dimensions: 330L



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



ULT Freezer MDF-U392VHI/682VHI/782VHI

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

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%

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%

Smart touch panel

- Real-time display of running status and real-time monitoring of key running parameters
- Viewable history data and data export through USB port
- Traceability of alarm information and history operation
- Communication port for multiple standards



Consumables layout solution

Model	2ml vial	0.5ml vial
MDF-U392VHI	21600	28800
MDF-U682VHI	40000	56000
MDF-U782VHI	48000	67200

Specifications

Model	MDF-U392VHI	MDF-U682VHI	MDF-U782VHI
Temperature range	-50~-90°C	-50~-86°C (AT: 10~30°C, division value: 0.1°C)	
Effective capacity	330L	603L	706L
External dimensions	W750×D875×H1850	W1030×D875×H1990	W1180×D875×H1990
Internal dimensions	W490×D600×H1140	W770×D600×H1280	W920×D600×H1280
Exterior/interior	Painted steel		
Inner door	Doors(×2) with stainless frame with lock		
Refrigerant	HC refrigerant		
Alarm	High/low-temp alarm, power-failure power, remote alarm contact, abnormal sensor alarm, compressor protection		
Access port	φ17mm(×2)		
Temperature control	Microprocessor		
Lock	1(padlock is available)		
Power supply	Single phase: 220V~50Hz		
Net weight	258kg	310kg	345kg
Standard configuration	Key(×1 set), shelf(×3), defrost shovel(×1)		
Optional	Rack, CO2 backup cooling kit		

Alphavita
BIO SCIENTIFIC

Alphavita Bio-scientific (Dalian) Co., Ltd.

No.93 Tieshan West Road, Economic and Technology
Development Zone, Dalian, Liaoning
Postcode: 116000

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