

Alphavita

BIO SCIENTIFIC

Medical ULT Freezer

MDF-U581VHE/U781VHE/U881VHE

Inverter Hydrocarbon Refrigeration System VIP Insulation Design

Create a safety and stable -40 ~ -86 storage environment



MDF-U881VHE



MDF-U881VHE

External dimension : W1180 × D875 × H1990(mm)
Effective capacity : 861L

MDF-U781VHE

External dimension : W1030 × D875 × H1990(mm)
Effective capacity : 736L

MDF-U581VHE

External dimension : W770 × D875 × H1990(mm)
Effective capacity : 521L



Medical ULT Freezer MDF-U581VHE/U781VHE/U881VHE

Product feature



Frequency conversion refrigeration technology

- By sensing the set temperature and the real-time change of the temperature in the internal, the compressor running power is adjusted to achieve continuous and stable control of the temperature in the internal.
- In stable movement, reduce the running power of the compressor, the temperature in the internal is more uniform, improve the energy-saving effect.
- When the machine starts or opens the door to put the sample, improve the running power of the compressor, cool down faster, and the sample is more safe.



VIP vacuum insulation technology

- VIP Vacuum insulation technology Optimized U-Vacuum vacuum insulation technology material+ polyurethane foam insulation layer design, the overall thermal insulation effect reaches a new height, and the thermal insulation performance is increased by 20%.



Security configuration

- The use of hydrocarbon refrigerant cascade refrigeration technology, cooling quickly after opening the door, to ensure the safety of samples.
- The unique expansion tank design can effectively stabilize the system pressure, maintain the normal operation of the compressor and extend the service life when the system pressure changes rapidly due to the change of ambient temperature or other reasons.
- Password protection of core parameters to avoid unnecessary losses caused by misoperation.

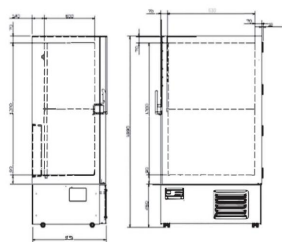


Energy conservation and environment protection

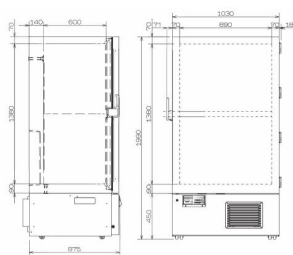
- The use of pure natural refrigerant, fluorine-free environmental protection, greatly reduced charge, lower than the national 150g standard, safe and reliable.
- The energy consumption of the whole machine is reduced by 20%, and the energy consumption required for a single frozen storage tube is reduced to a new level.

Product feature

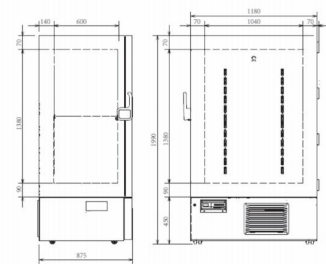
Model	MDF-U581VHE	MDF-U781VHE	MDF-U881VHE
Temperature range	-40~-86°C(Adjustment accuracy 0.1°C,environment temperature10~30°C)		
External dimensions	W770×D875×H1990(mm)	W1030×D875×H1990(mm)	W1180×D875×H1990(mm)
Internal dimensions	W630×D600×H1380(mm)	W890×D600×H1380(mm)	W1040×D600×H1380(mm)
Effective capacity	521L	736L	861L
Net weight	280kg	312kg	350kg
External material	Electrogalvanized steel plate, coated with polyester resin powder		
Access Port	17mm diameter, 2 positions		
Thermal 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	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), 3 Hss shelves(3), defrost shovel(1)		
Power supply	100~120V/50~60Hz		
Optional parts	Freezer storage rack, carbon dioxide backup device		
Storage capacity (2ml)	35200 tube	52800 tube	61600 tube



MDF-U581VHE



MDF-U781VHE



MDF-U881VHE

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Technical parameters and specifications are for reference not order basis.
Information mentioned is subject to change(s) without prior notice.
Please in kind prevail.