

# Biomedical Freezer

## MP-24F-HC

Our top-of-the-line biomedical freezer is designed to meet a wide range of sample storage needs with hydrocarbon refrigerant and fast cooling capabilities. It offers an unparalleled ergonomic design and ideal for the storage of a wide variety of samples including enzymes, biologics, Plasma and medicines.



Temp. Uniformity



Pulling down to -30°C



Peak variance\*

\*Test Under Energy Star standard (Laboratory Grade Freezer)



## Features



### Golden-dimension cabinet

The 860mm(33.8" ) pass-through dimension and 180° maximum door opening angle make it incredibly easy to maneuver samples in and out.



### Environment-friendly

HC refrigerant complies with SNAP(from USA) and F Gas(from EU). Energy consumption meet for energy star (Lab grade Freezer) standard



### Count-on controller

The Built-in data logger can automatically or manually query, record and download up to 12 months of temperature graphic and recorded temperature data,°C/°F switchable.



### Sample-safeguard system

Standard overcurrent protector ensures electricity security. With 10 audible and visual alarms, the sample storage is well-protected. The alarm system is still functional for over 48 hours with the backup battery.

## Structure

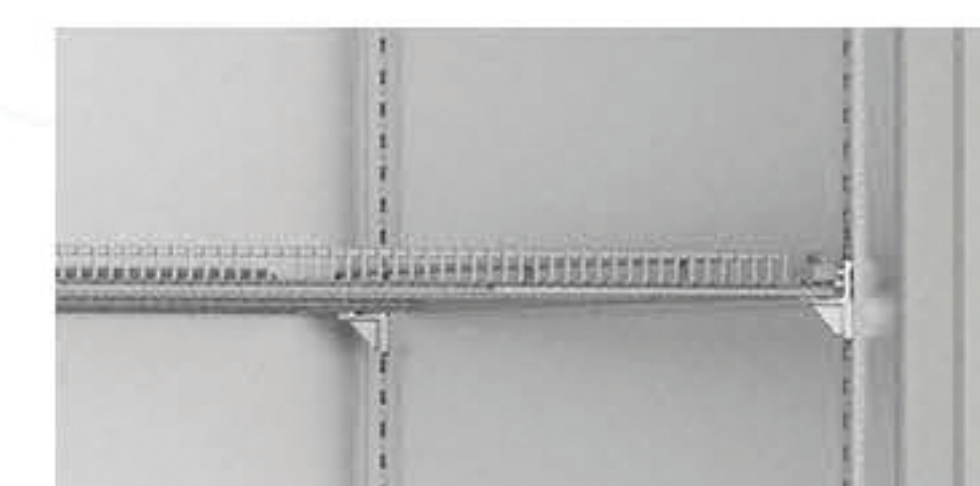
Temp. Max./Min  
Display accuracy of 0.1°C



Digital LED Display  
Temp. Max./Min  
Display accuracy of 0.1°C

### Overhanging LED Light

Provide ultimate convenience while checking stored samples in dimly lit environments



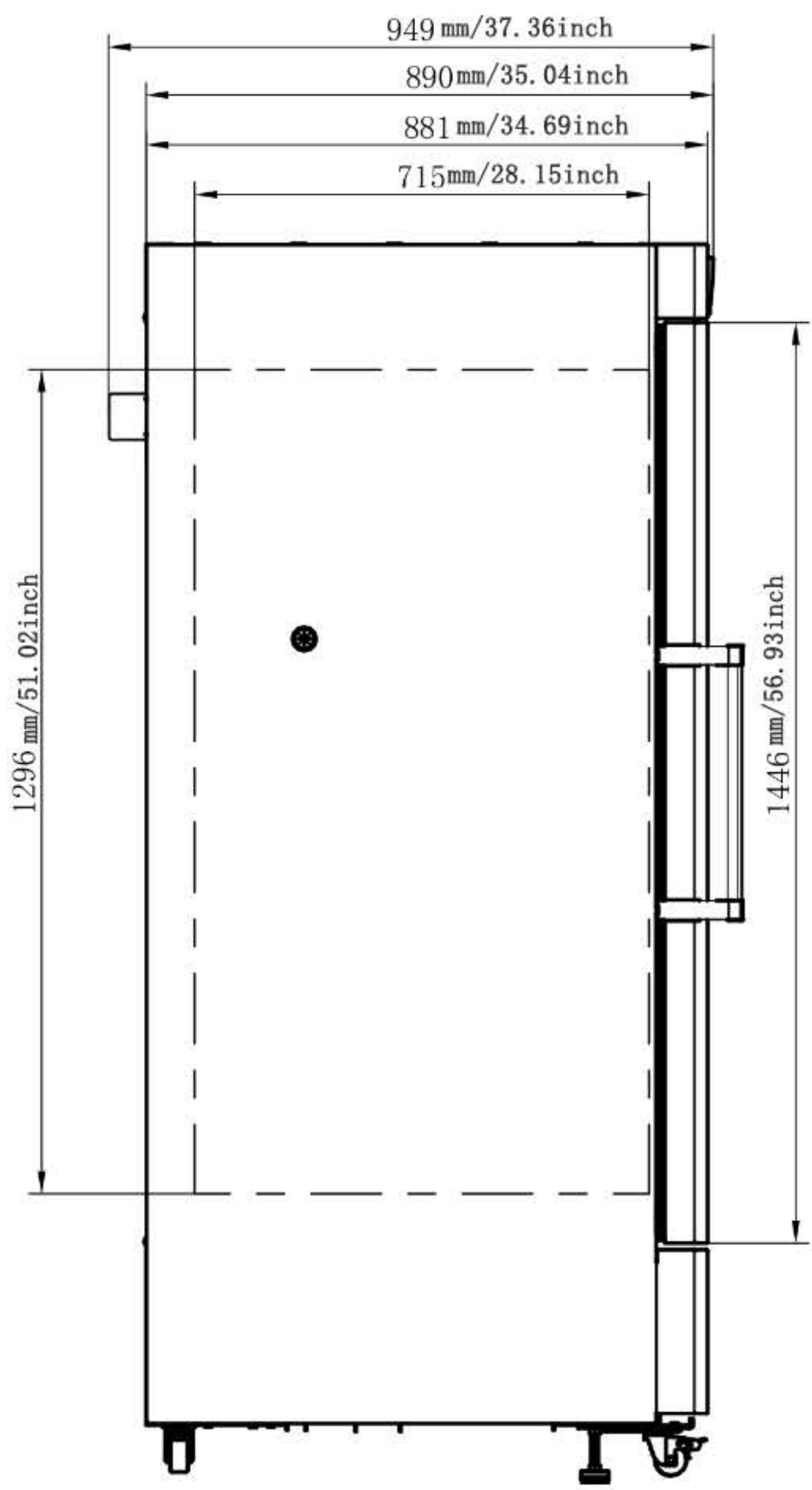
Adjustable wire shelves  
Four standard adjustable wire shelves with maximum loading capacity of 45kg



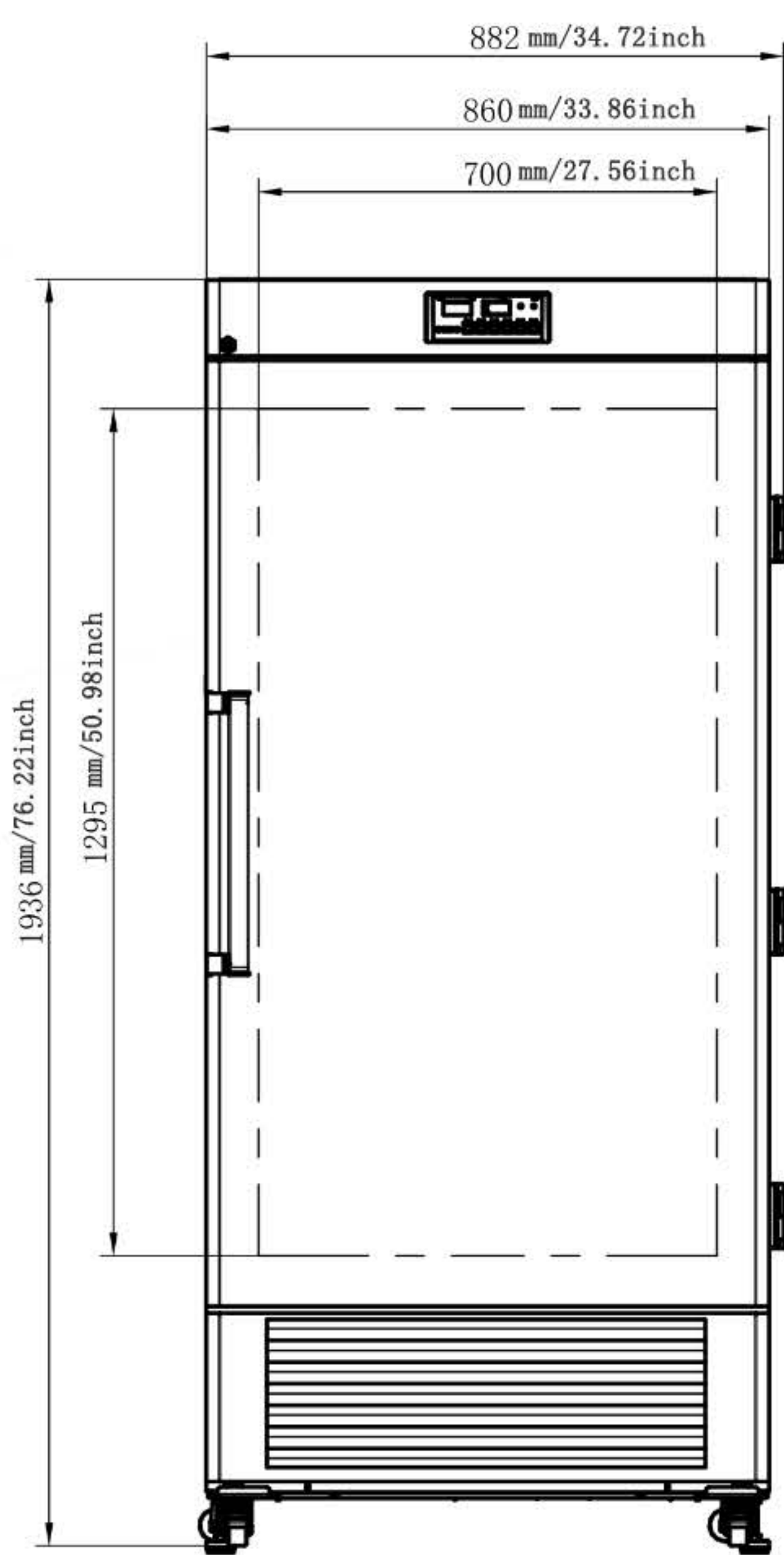
Ergonomic design handle  
Painted handle in ergonomic specially designed can help door open extremely gently and smoothly

# Specification

Side View

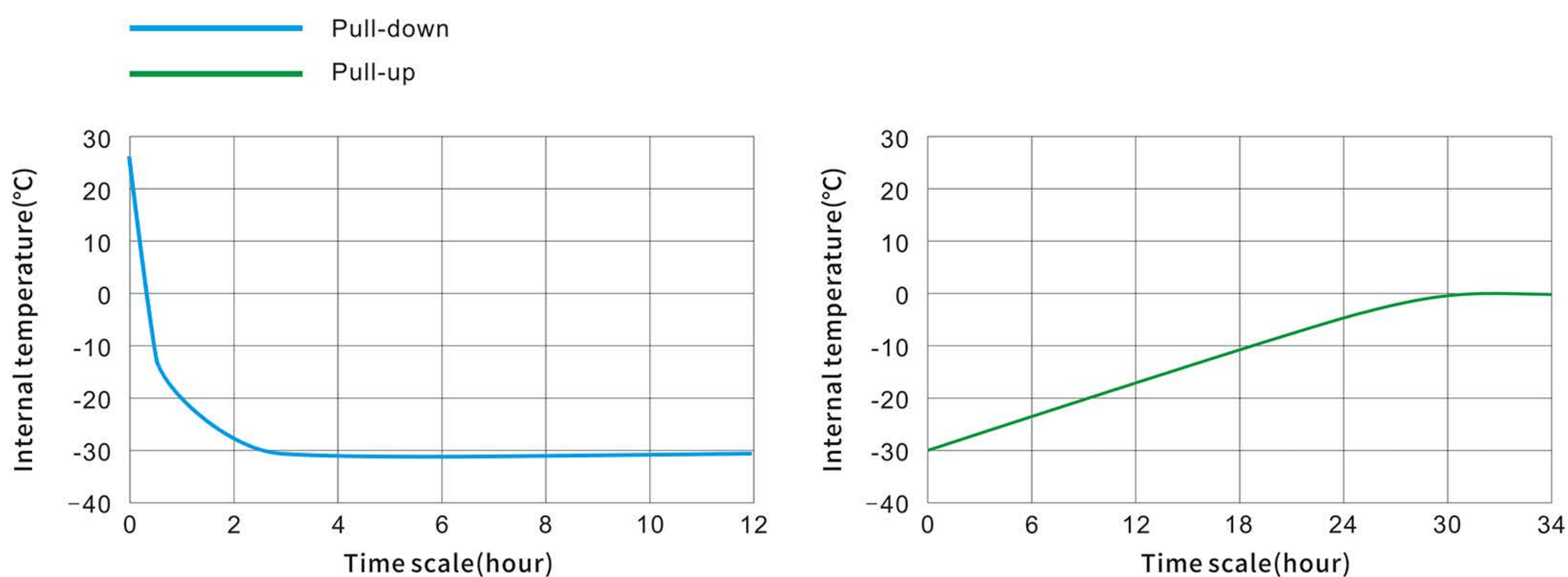


Front View



-15~-30°C freezer	
Model	MP-24F-HC
Power supply(V/HZ)	110/60
Capacity	668L/23.6Cu.Ft.
Internal size (W*D*H) mm/inch	700*715*1296/27.5*28.1*51.0
External size (W*D*H) mm/inch	882*940*1936/34.7*37.0*76.2
Package size (W*D*H) mm/Inch	938*1018*2086/36.9*40.1*82.1
NW/GW (kgs)	150(331lb)/193(425lb)
Performance	
Temperature range	-15~-30°C/5°F~-22°F
Ambient temperature	16~32°C/60.8°F~89.6°F
Climate class	N
Controller	Microprocessor
Display	Digital LED Display
Noise	50dB(A)
Refrigeration	
Compressor	1pc
Cooling method	Direct cooling
Defrost mode	Manual
Refrigerants	R290
Insulation thickness(mm)	80
Construction	
External material	White powder coated steel
Inner material	Spraying aluminum liner
Shelves	4
Access test port	1pc. Ø 25 mm
Casters	4(2 leveling feet)
Data logging/ Interval /Max. data capacity	USB/Record every 10 minutes/2 years
Interface	Remote alarm contact, RS485
Backup battery	Yes, over 48 hours
Alarms	
Temperature	High/Low temperature, High ambient temperature
Electrical	Power failure, Low battery
System	Sensor failure, Main board communication error, Condenser overheating alarm, Door ajar, Data Logger not connected/not activated alarm, Remote alarm

# Performance curve graph



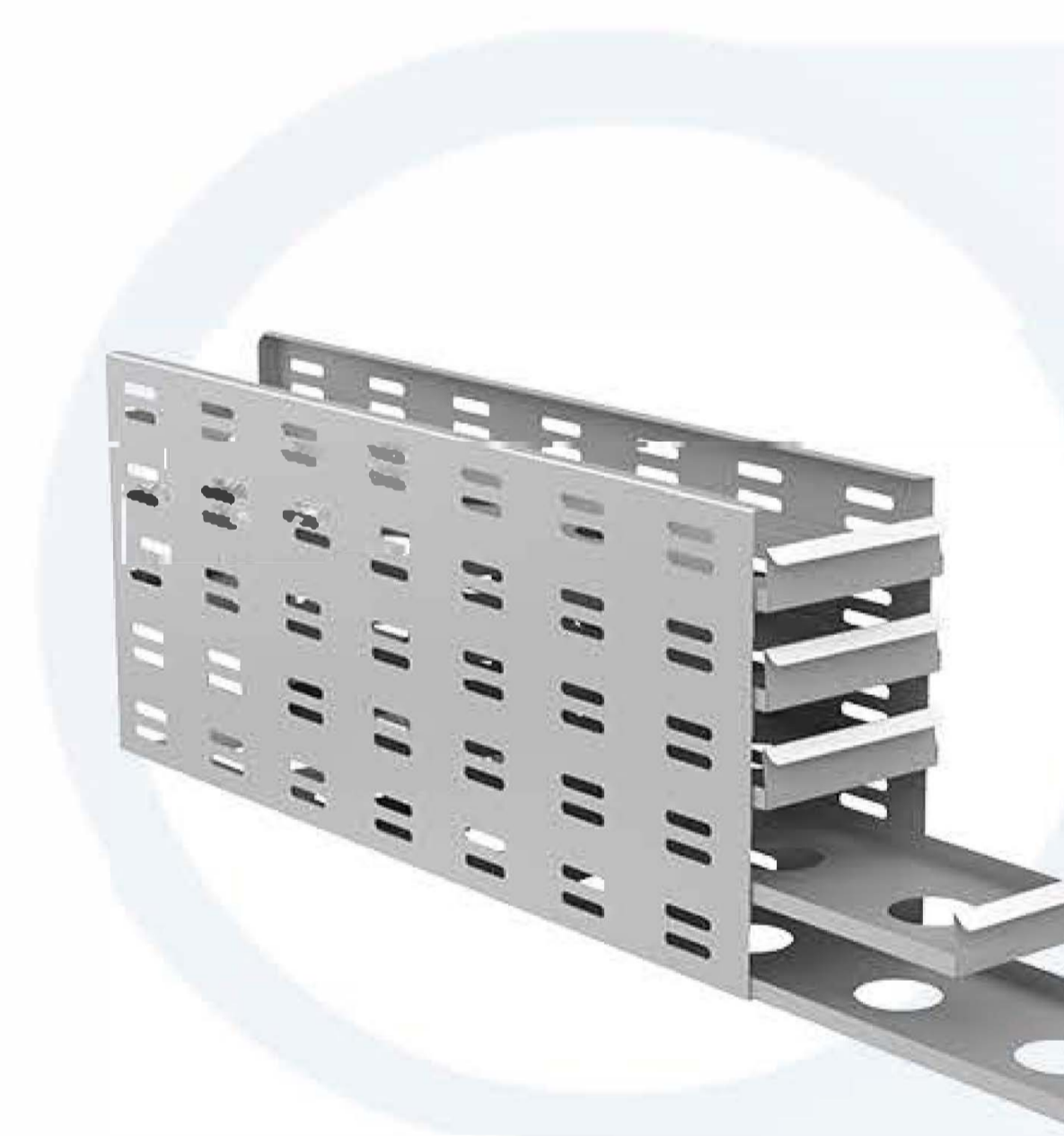
## Options



**Inkless Chart Recorder**  
Factory pre-setting, automatically recording data curve



**Freezing Box**  
2-inch freezing box, can hold 9\*9 or 10\*10 freezing tubes



**Freezing Rack**  
304 stainless steel side access freezing rack, could hold 5\*5 freezing box

Model of freezing racks	Dimension of freezing racks (mm)	Dimension of freezing box (mm)	Total numbers of freezing racks	Total numbers of freezing box
	140*685*293	133*133*53	16	400