



-86°C ULT Freezer

MBI578-80



Energy saving

VIP(Vacuum Insulation Panel) design with extra insulation cuts down on heat loss to cabinet by 25% and helps reduce energy consumption by more than 20%, power consumption only 8.5 kWh/day



Slim design

Easy fit through any doorway, makes a small footprint



Reliable

Cabinet temperature can reach -86°C with temp uniformity within 5°C

Complementary products



CO₂
Backup
Systems

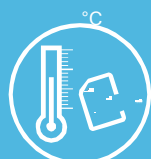


Chart
Recorder



Stainless
Steel
Racks



Cryo
Boxes

MBI578-80

Technical Data

Type	-86°C ULT Freeer
Cabinet Type	Upright
Climate Class	N
Cooling Type	Direct cooling
Defrost Mode	Manual
Refrigerant	HC
Noise Lever(dB)	50

Performance

Cooling performance(°C)	-86
Temperature Range(°C)	-40~-86

Control

Controller	Microprocessor
Display	LED

Electrical Data

Power Supply(V/Hz)	115V/60HZ or 220V/60HZ
Power(W)	900
Electrical Current(A)	9

Functions

High/Low Temperature	Y
Remote Alarm	Y
Hot Condenser	Y
Power Failure	Y
Sensor Error	Y
Low Battery	Y
High Ambient Temp	Y
Door Ajar	Y



Accessories

Caster	Y
Foot	Y
Test Hole	Y/2
Shelves/Inner Doors	3/4
Temperature Recorder	Optional
USB Interface	Y
Rs232/485 Interface	Optional
CO ₂ Backup System	Optional
LN ₂ Backup System	Optional
Racks & Boxes	Optional

Dimensions

Capacity(L/Cu.Ft)		578/20.4
Net/GrossWeight(approx)	300/330(kg)	661.4/727.5(lbs)
Interior Dimensions(W*D*H)	620*716*1310(mm)	24.4*28.2*51.6(in)
Exterior Dimensions(W*D*H)	895*980*1960(mm)	35.2*38.6*77.2(in)
Packing Dimensions(W*D*H)	950*1055*2125(mm)	37.4*41.5*83.7(in)
Containerload(20'/40'/40'H)		12/24/24

Accessories & consumables

MBI578-80

Consumables

Racks		Part Code	
Model	DCJ-55-A		DCJ-55-B
Q'ty/Layer		4	
Dimension (W*D*H)	138*685*293(mm) 5.4*27.0*11.5(in)	140*685*293(mm) 5.5*27.0*11.5(in)	

Boxes		Part Code		
Model	T130	HBB-200-PP	HBB-281-PC	HBB-200-C
Material	PP	PP	PC	PC
Dimension (W*D*H)	133*133*53.5(mm) 5.2*5.2*2.1(in)			
Q'ty/Rack		25		

Total Q'ty

Racks		16		
Boxes		400		
Vials	32400	40000	32400	40000

CO₂ Backup System

Model	HBX-IC
Temperature range	-40°C to -70°C

LN₂ BackupSystem

Model	HBX- II A
Temperature range	-90°C to -135°C

Chart Recorder

Temperature range	+50°C to -115°C
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Others

Certificate	CE
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Complementary products



CO2 Backup Systems



Stainless Steel Racks

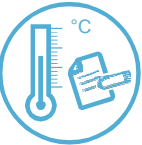


Chart Recorder



Cryo Boxes