BioSafe-AIR ULT Freezer Single compressor

BioSafe-AIR series compact ULT freezers allow users to store biological products with more flexibility. MDF-86U50 is a desk-top model, while MDF-86U100 is an under-counter freezer. Both 2 models are stackable.

TC-300A Controller

Microprocessor electronic controller TC-300A, fitted with dual LED screen to display inner chamber temperature and key working conditions. Advanced dual sensor control system for accurate temperature control.





LOW CO2



DOOR AJAR ALARM



STACKABLE DESIGN



USB PORT



POWER FAILURE ALARM



SAFETY DOOR

PERFORMANCE

- High efficiency single compressor refrigeration system
- V.I.P. (vacuum insulation panel) for excellent insulation
- Honeywell Solstice® liquid blowing agent (LBA) for better insulation
- Forming inner door(s) with door seal for better insulation

ALARMS

- High temperature
- Low temperature
- High ambient temperature
- Door open
- Power failure
- Sensor error
- High condenser alarm
- Low battery

ERGONOMIC DESIGN

- Compact design for desk-top or under-counter usage
- Silent running creating a user-friendly environment
- Stackable design to save space
- Stainless steel interior for easy cleaning
- Pressure release port to allow door open with shorter interval

SAFETY

- Password protection avoids key parameters unauthorized change
- Safety door lock, preventing unauthorized access
- Test access port for additional temperature probe
- Remote alarm contacts
- Optional build-in data storage and USB port for download
- Optional online monitoring system(CryoMonitor 2000TF)
- Optional CO2/LN2 backup system

ENVIRONMENT FRIENDLY

- CFC-Free polyurethane foaming insulation
- · Honeywell Solstice® liquid blowing agent (LBA) makes environment green
- ${\mbox{\ }}{\mbox{\ }}$ High efficiency cooling system for lower energy consumption and less carbon emission



► High class interior
Stainless steel interior
Forming inner door
Rust-free & easy cleaning



Ergonomic door handle
 Light operation, friendly to ladies
 Safety lock to prevent unauthorized access
 Mid-positioned design, handle operation not influenced by wall or table side



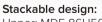
➤ Stainless steel shelf
Adjustable position in the chamber
Removeable to store large size product
Stainless steel for easy cleaning



For easy access of additional temperature probe



Remote alarm contact
NO (normally open)
NC (normally close)



ANTECH

Upper: MDF-86U50 Lower: MDF-86U100



CryoMonitor 2000TF (optional)

Cloud based temperature monitoring system Email & SMS alarms USB port for data storage and download









-86°C

BioSafe-AIR





	Model	MDF-86U50	MDF-86U100
Main specifications	Туре	Upright, desk-top	Upright, under-counter
	Stackable	•	•
	Cooling technology	Single compressor	Single compressor
	Temperature setting range (°C)	-40~-86	-40~-86
	Climate type	N	N
	Capacity (L)	58L	100L
	2" box storage Qty (Pcs)	30	60
	Net weight (KGs)	84	108
	Intermal W×D×H (mm)	340x460x364	340x460x630
	Extermal W×D×H (mm)	760x680x550	760x680x818
	Door entrance limit (≥mm)	680	680
	Cooling type	Direct	Direct
	Defrost	Manual	Manual
	Refrigerant	Mixed gas	Mixed gas
	Number of compressor	1	1
	Controller	TC-300A	TC-300A
Control & display system	Display	LED	LED
	Temperature display accuracy	0.1	0.1
	Password protection	•	•
	Power supply (V/Hz)	110V,50/60Hz; 220V,50/60Hz	110V,50/60Hz; 220V,50/60Hz
	Rated power (W)	260	450
	Rated current (A)	2.9	2.9
	USB port	0	0
Data memory & monitoring	Cloud monitoring (Wi-Fi)	O CryoMonitor 2000TF	
	Visible/audible alarm	•	O CryoMonitor 2000TF
Alarm functions		•	•
	High/Low temperature	•	
	Hot condenser	•	•
	Power failure	•	•
	Sensor failure	•	•
	High ambient temperature	•	•
	Door open	•	•
	Remote alarm contact	•	•
Accessories	Inner forming door	1	2
	Adjustable foot	4	4
	Scroll wheel	N/A	2
	Stackable kit	0	0
	Test access port	1	1
	Adjustable shelves	1	1
	Safety door lock	•	•
	Pressure equalization port	•	•
	Freezer rack	0	0
	Rack type (DxH)	5x3	5x3
	Rack Qty	2	4
	CO2/LN2 backup system	0	0
Material	Exterior	Powder coated galvanized steel sheet	Powder coated galvanized steel sheet
	Interior	Stainless steel	Stainless steel
	Insulation	Polyurethane+LBA	Polyurethane+LBA
	Vacuum insulation panel (VIP)	•	•
	Cabinet insulation thickness (mm)	80	80
	Outer door thinkness (mm)	80	80
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[•] Basic equipment O Optional