

Classic Series ULT freezer

Performance

- Temperature reaches -86 °C, adjustable -40 °C ~ -86 °C ,
- Microprocessor controller with LED display increment 0.1
- Wide range operating voltage system from 185V to 260 V

Reliability

- Single compressor and auto-cascade cooling system
- World class compressor (SECOP) and blower (EBM)
- Low noise and low power consumption

Safety

- Audible and visual alarm:
- High/Low temperature alarm
 - Sensor error alarm
 - Power failure alarm
 - Remote alarm contact

Ergonomic Design

- Safety lock to prevent unauthorized entry
- Universal lockable caster for ease moving
- Unique CFC-free mixed refrigerant

Upright type



Chest type



Specification

Model	MDF-86U58	MDF-86U158	MDF-86C58	MDF-86C118	MDF-86C258	MDF-86C458
Cabinet Type	Upright	Upright	Chest	Chest	Chest	Chest
Capacity (L)	58	158	58	118	258	458
Climate Class	N	N	N	N	N	N
Cooling Type	Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling
Cooling System	Single Compressor Auto-cascade System	Single Compressor Auto-cascade System	Single Compressor Auto-cascade System	Single Compressor Auto-cascade System	Single Compressor Auto-cascade System	Single Compressor Auto-cascade System
Defrost Mode	Manual	Manual	Manual	Manual	Manual	Manual
Refrigerant	CFC-Free	CFC-Free	CFC-Free	CFC-Free	CFC-Free	CFC-Free
Door	Single Solid Door	Single Solid Door	Single Solid Door	Single Solid Door	Single Solid Door	Single Solid Door
Noise (dB)	50	50	50	50	50	50
Temperature Range (°C)	-60 ~ -86	-60 ~ -86	-60 ~ -86	-60 ~ -86	-60 ~ -86	-60 ~ -86
Cooling Performance (°C)	-86	-86	-86	-86	-86	-86
Temperature Control	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Display	LED	LED	LED	LED	LED	LED
Interior	SUS304	SUS304	SUS304	SUS304	SUS304	SUS304
Exterior	Powder Coated Steel	Powder Coated Steel	Powder Coated Steel	Powder Coated Steel	Powder Coated Steel	Powder Coated Steel
Shelf	SUS304	SUS304	N/A	N/A	N/A	N/A
Insulation	PU Forming	PU Forming	PU Forming	PU Forming	PU Forming	PU Forming
Voltage/Frequency	220V~240V, 50Hz/60Hz 115V/60Hz	220V~240V, 50Hz/60Hz 115V/60Hz	220V~240V, 50Hz/60Hz 115V/60Hz	220V~240V, 50Hz/60Hz 115V/60Hz	220V~240V, 50Hz/60Hz 115V/60Hz	220V~240V, 50Hz/60Hz 115V/60Hz
Power (W)	400	450	450	450	500	550
Net/Gross Weight (kg)	75/95	130/160	90/135	90/135	220/240	240/270
Internal Dimension (W/D/H, mm)	364x405x409	460x455x800	400x400x360	700x470x360	780x500x660	1330x500x600
External Dimension(W/D/H, mm)	540x620x1115	700x700x1580	600x680x920	900x750x920	1510x885x1095	2110x885x1095
Packing Dimension(W/D/H, mm)	610x700x1240	780x800x1710	720x750x1050	1330x850x1140	1570x945x1230	2170x945x1230
Container Load (20'/40'/40'H)	27/57/104	21/45/45	40/70/70	16/36/36	7/15/30	5/11/22
High/low Temperature Alarm	Y	Y	Y	Y	Y	Y
Remote Alarm Contact	Y	Y	Y	Y	Y	Y
Power Failure Alarm	Y	Y	Y	Y	Y	Y
Sensor Error Alarm	Y	Y	Y	Y	Y	Y
Door Lock	Y	Y	Y	Y	Y	Y
Caster	4	4	4	6	6	8
Shelf/Chamber	1/2	2/3	N/A	N/A	N/A	N/A
Inner Door	1	3	1	1	1	1
Remote Alarm Contact	Y	Y	Y	Y	Y	Y
Test Hole	Y	Y	Y	Y	Y	Y
Chart Recorder	Optional	Optional	Optional	Optional	Optional	Optional
CO2 Backup System	Optional	Optional	Optional	Optional	Optional	Optional
LN2 Backup System	Optional	Optional	Optional	Optional	Optional	Optional
Certificate	CE, ISO9001	CE, ISO9001	CE, ISO9001	CE, ISO9001	CE, ISO9001	CE, ISO9001