

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



MDF-86U58

MDF-86U158

Chest type



MDF-86C258

> Specification

Model		MDF-86U58	MDF-86U158	MDF-86C118	MDF-86C258	MDF-86C458
Technical Data	Cabinet Type	Upright	Upright	Chest	Chest	Chest
	Capacity (L)	58	158	118	258	458
	Climate Class	N	N	N	N	N
	Cooling Type	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
	Defrost Mode	Manual	Manual	Manual	Manual	Manual
	Refrigerant	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
	Noise (dB)	50	50	50	50	50
	Performance	Temperature Range (°C)	-40 ~ -86	-40 ~ -86	-40 ~ -86	-40 ~ -86
Cooling Performance (°C)		-86	-86	-86	-86	-86
Control	Temperature Control	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	LED	LED	LED	LED	LED
Material	Interior	SUS304	SUS304	SUS304	SUS304	SUS304
	Exterior	Powder Coated Steel	Powder Coated Steel	Powder Coated Steel	Powder Coated Steel	Powder Coated Steel
	Shelf	SUS304	SUS304	N/A	N/A	N/A
	Insulation	PU Forming	PU Forming	PU Forming	PU Forming	PU Forming
Electrical Data	Voltage/Frequency	220~240V 50/60Hz 110V 60Hz	220~240V 50/60Hz 110V 60Hz	220~240V 50/60Hz 110V 60Hz	220~240V 50/60Hz 110V 60Hz	220~240V 50/60Hz 110V 60Hz
	Power (W)	400	450	450	500	550
Dimensions	Net/Gross Weight (kg)	75/95	130/160	90/135	220/240	240/270
	Internal Dimension (W/D/H, mm)	364x405x409	460x455x800	500x400x560	780x500x660	1330x500x600
	External Dimension (W/D/H, mm)	540x620x1115	700x700x1580	1270x780x965	1510x885x1095	2110x885x1095
	Packing Dimension (W/D/H, mm)	610x700x1240, 0.53CBM	780x800x1710, 1.07CBM	1330x850x1140, 1.29CBM	1570x945x1230, 1.83CBM	2170x945x1230, 2.53CBM
	Container Load (20'/40'/40'H)	27/57/104	21/45/45	16/36/36	7/15/30	5/11/22
Functions	High/low Temperature Alarm	Y	Y	Y	Y	Y
	Remote Alarm Contact	Y	Y	Y	Y	Y
	Power Failure Alarm	Y	Y	Y	Y	Y
	Sensor Error Alarm	Y	Y	Y	Y	Y
Accessories	Door Lock	Y	Y	Y	Y	Y
	Caster	4	4	6	6	8
	Shelf/Chamber	1/2	2/3	N/A	N/A	N/A
	Inner Door	1	3	1	1	1
	Remote Alarm Contact	Y	Y	Y	Y	Y
	Test Hole	Y	Y	Y	Y	Y
	Chart Recorder	Optional	Optional	Optional	Optional	Optional
	CO2 Backup System	Optional	Optional	Optional	Optional	Optional
	LN2 Backup System	Optional	Optional	Optional	Optional	Optional
Others	Certificate	CE, ISO9001	CE, ISO9001	CE, ISO9001	CE, ISO9001	CE, ISO9001