

## 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



SQ-90058

SQ-90158

### Chest type



SQ-90258

### Specification ///

	Product Code	SQ-90058	SQ-90158	SQ-90118	SQ-90258	SQ-90458
	Model	MDF-86U58	MDF-86U158	MDF-86C118	MDF-86C258	MDF-86C458
Technical Data	Type	Upright	Upright	Chest	Chest	Chest
	Capacity (L)	58	158	118	258	458
	Climate Class	N				
	Cooling Type	Direct Cooling				
	Cooling System	Single Compressor Auto-Cascade System				
	Defrost Mode	Manual				
	Refrigerant	CFC Free				
	Door	Single Solid Door				
	Noise Level (dB)	50	50	50	50	50
Performance	Temperature Range (°C)	-40°C to -86°C				
	Cooling Performance (°C)	-86°C				
Material	Interior	SUS304				
	Exterior	Powder Coated Steel				
	Shelf	SUS304	SUS304	N/A	N/A	N/A
	Insulation	PU Forming				
Control	Temperature Control	Microprocessor				
	Display	LED				
Electronical Data	Voltage / Frequency	220-240V / 50Hz/60Hz				
	Power (W)	400	450	450	500	550
Dimensions	Internal (WxDxH) mm	364x405x409	460x455x800	700x470x360	780x500x660	1330x500x600
	External (WxDxH) mm	540x620x1115	700x700x1580	900x750x920	1510x885x1095	2110x885x1095
	Packing (WxDxH) mm	610x700x1240	780x800x1710	1330x850x1140	1570x945x1230	2170x945x1230
	Net/Gross weight (kg)	75/95	130/160	90/135	220/240	240/270
Alarms	High / Low Temperature	√	√	√	√	√
	Remote Alarm Contact	√	√	√	√	√
	Power Failure	√	√	√	√	√
	Sensor Error	√	√	√	√	√
Accessories	Door Lock	Yes	Yes	Yes	Yes	Yes
	Caster Wheels	4	4	6	6	6
	Shelf / Chamber	1/2	2/3	N/A	N/A	N/a
	Inner Door	1	3	1	1	1
	Test Hole	Yes	Yes	Yes	Yes	Yes
	Chart Recorder	Optional	Optional	Optional	Optional	Optional
	CO2 Backup System	Optional	Optional	Optional	Optional	Optional
	LN2 Backup System	Optional	Optional	Optional	Optional	Optional