

Specifications			
Model		EL-F-29H	
Technical Data	Cabinet Type	Upright	
	Climate Class	4	
	Cooling Type	Direct cooling	
	Defrost Mode	Manual	
	Refrigerant	HC	
	Noise(dB(A))	37(220V/50Hz)	
Performance	Cooling Performance(C)	-30	
	Temp Range(C)	-10~-30 C	
Control	Controller	Microprocessor	
	Display	LED	
Electrical Data	Power Supply(V/Hz)	100~240/50/60	
	Power(W)	470W(220V/50Hz)	
	Electrical Current(A)	2.5A(220V/50Hz)	
	Capacity(L/Cu.Ft)	818L	
Dimensions	Net/Gross Weight(approx)	(kg)	210/240
		(lbs)	463/529.1
	Interior Dimension(W*D*H)	(mm)	750×755×1460
		(in)	29.5*29.7*57.5
	Exterior Dimension(W*D*H)	(mm)	988x950x1979
		(in)	38.9*37.4*77.9
Functions	Remote Alarm	Y	
	High/Low Temp	Y	
	Hot Condenser	/	
	Power Failure	Y	
	High/Low Voltage	/	
	Sensor Error	Y	
	Low Battery	Y	
	High Ambient Temp	Y	
Accessories	Door Ajar	Y	
	Caster	Y	
	Foot	Y	
	Test Hole	Y (2)	
	Shelves/ Inner Doors	5/3(Optional)	
	USB Interface	Optional	
	5V Power Supply Port	Optional	
	Temp Recorder	Optional	
	RS485 Port	Y	
Other	CO2 Backup System	/	
	LN2 Backup System	/	
Other		CE	CE

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Note: If slight difference occurs between pictures and actual products, please refer to actual products. Our company reserves the right of final interpretation to this brochure and please contact with us for further information you might need.



-30°C
Biomedical Freezer
 Large Capacity and Innovative Design



Typical Installation and Application

Blood banks, hospitals, disease control centers, research institutes, electronic, chemical and other industries, cryopreservation of plasma, biologics and other products, and cold tests for components and materials.



Energy saving with variable speed inverter technology
 Optimized refrigeration system with a high efficiency inverter compressor to reduce energy consumption



Excellent temperature uniformity in a large storage space
 Features built-in evaporator, large storage space, and adjustable shelf, providing faster temperature pull-down and a better temperature uniformity of set point +/- 3 C.



Low noise
 Sound attenuation design to reduce the sound level to 37 dba at 220 V/50 Hz



Environment Friendly
 •HC refrigeration system contains zero chlorine and fluorine. It does not harm the environment.
 •Urethane foam insulation complies with European ROHS regulation.

Product Advantages

Ergonomic Design: document holding compartment for storing size A4 paper and pens.

Optional USB port allows users to download temperature data saved up to 10 years for compliance and auditing purposes.

Double door seals for better insulation performance.

Microprocessor temperature control: LED displays cabinet temperature with 0.1 °C resolution, ambient temperature, and input voltage.

Ergonomic handle design: easy access to storage space, built in lock and padlock features.

Casters and leveling legs for ease of maneuvering and positioning.

Pressure equalization port for easy door opening.

Inner door design reduces loss of cold air to improve energy efficiency and stable temperature.

Adjustable shelves made with stainless steel or coated steel.

Power coating galvanized interior with large round corner design, corrosion resistance and easy to clean.

0.1 Microprocessor control system

- Microprocessor-based temperature control. Large LED displays cabinet temperature with 0.1 °C resolutions. The temperature range is -10°C to -30°C.
- Cabinet temperature, ambient temperature and voltage are shown on the panel.
- Alarm conditions include high and low temperature, sensor error, power failure, and low battery, door ajar and high ambient.
- Alarm modes are audible and flashing lights. Remote alarm terminals are available.
- Battery supports display and alarm system for forty eight hours after power outage.
- RS485
- Optional features are IoT module, USB port, and swipe card functions.

Insulation

- 70 mm thick insulation.
- Optional inner doors for better thermal efficiency.

Porthole

Two standard portholes allow ease of temperature testing.

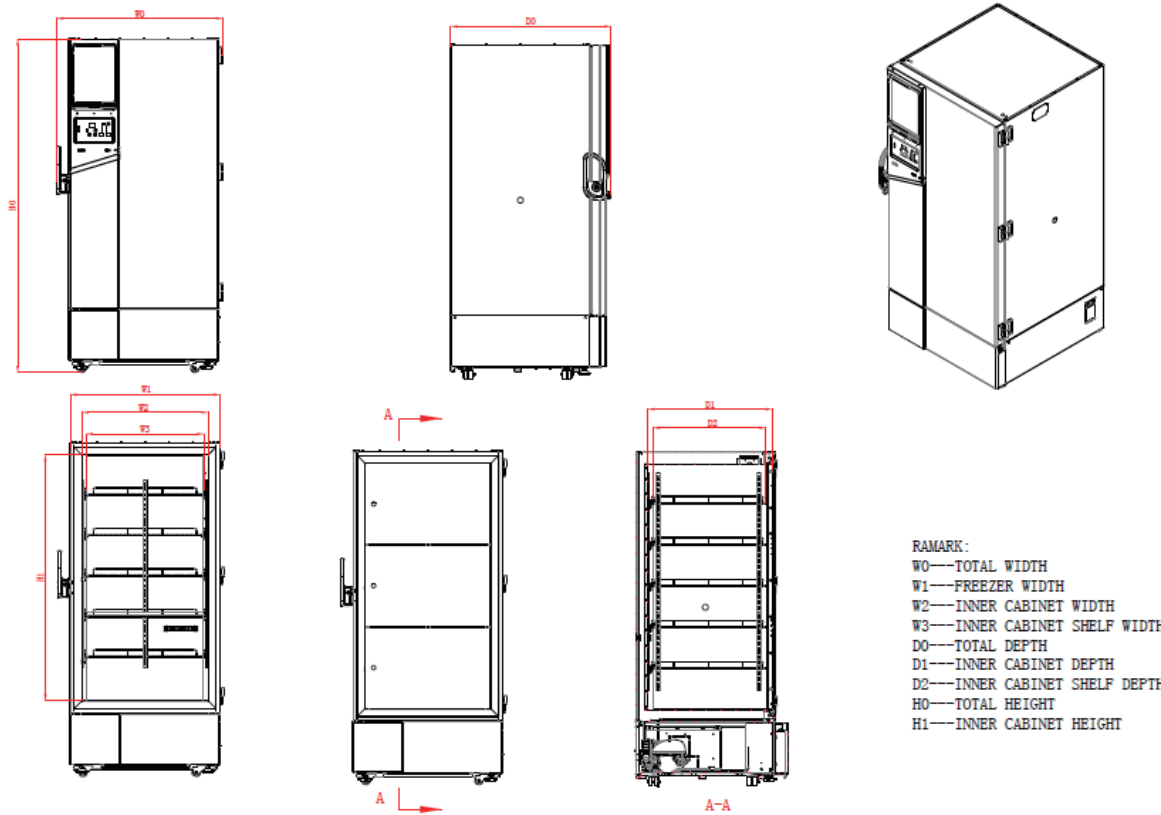
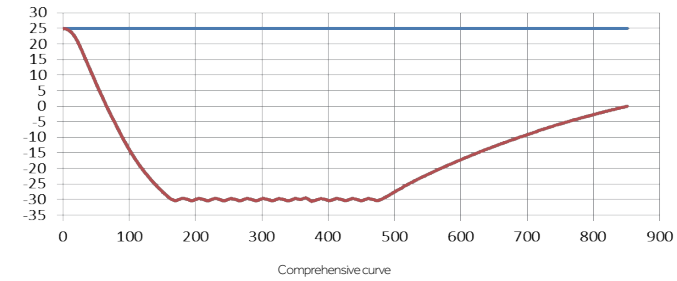
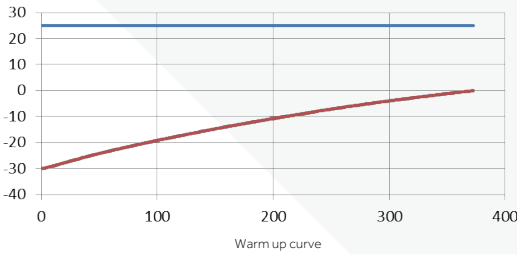
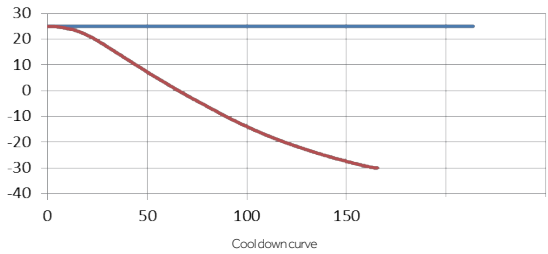
Security lock

Padlock is standard. Magnetic lock is optional. Both provide security and independency.

Temperature Recorder

Optional temperature recorder for temperature recording and preservation.

Typical performance characteristics in 25 °C



MODEL CODE	W0	W1	W2	W3	D0	D1	D2	H0	H1
EL-F-30LS18	988mm	890mm	750mm	698mm	950mm	744mm	671mm	1979mm	1460mm

MODEL CODE	W0	W1	W2	W3	D0	D1	D2	H0	H1
EL-F-29H	988mm	890mm	750mm	698mm	950mm	744mm	671mm	1979mm	1460mm