



-30°C Biomedical Freezer

Series I:EL-F-19H



-30°C biomedical freezers: Hydrocarbon refrigerant, energy-saving, safe and reliable, smart control



High-efficiency and energy-saving compressor and system

Industrial grade energy-saving compressor and optimized cooling system reduce more than 55% power consumption to achieve -30 °C compared with older models.



Green and environmental friendly

- Hydrocarbon refrigerant compressor, hydrocarbon refrigerant, completely green and environmental friendly refrigeration system;
- Built with isopentane foam polyurethane insulation, the series complies with European RoHS Directive, green and environmental protection/friendly.



Low Sound Level

Sound-reducing design with optimized system and structures reduces the sound level by more than 5 dB (41dB), completely eliminating annoying high-pitched noise.



Superior temperature uniformity

Evaporator-shelf design produces a faster cooling process and a more uniform temperature distribution. The temperature uniformity at characteristic points is $\pm 4^{\circ}\text{C}$.

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.



Microprocessor control system:

- Microprocessor temperature controller, LCD temperature display, display accuracy at 0.1°C. Adjustable temperature setting from -10°C to -30°C.
- Multiple alarm functions including high temperature alarm, low temperature alarm, sensor failure alarm and power outage alarm.
- Sound and flash alarm:
- Alarm lasts for more than 24 hours after power outage



Excellent temperature-retaining ability

High efficient insulation and double-sealing design improves temperature performance, energy efficiency, and system reliability.



Lock

Lock latch design provides an extra level of security.



Porthole

Porthole design is standard for test.



Recorder

Optional chart temperature recorder available

PRODUCT ADVANTAGES

PS interior, painted steel plate exterior, rust-proof, and easy to clean

Double lock design, multi-user, independent management, latch-lock high security

10 interior plastic drawers with labeling rail for ease of organizing and identifying



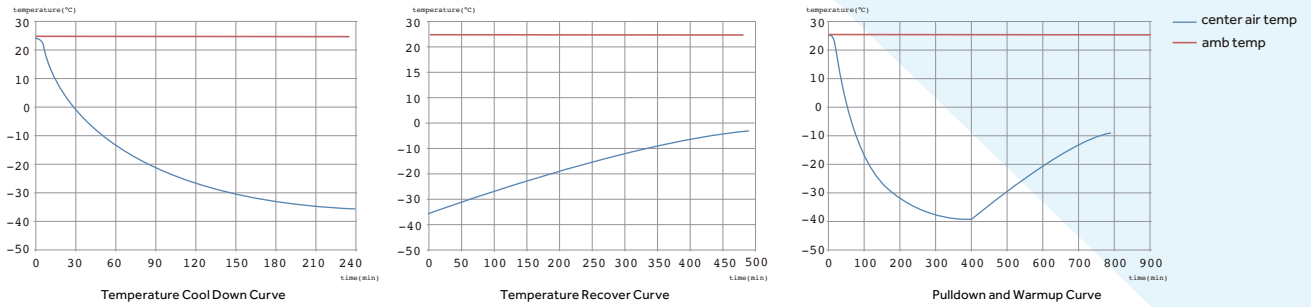
Microprocessor temperature control, LCD temperature display, with display accuracy being 0.1°C



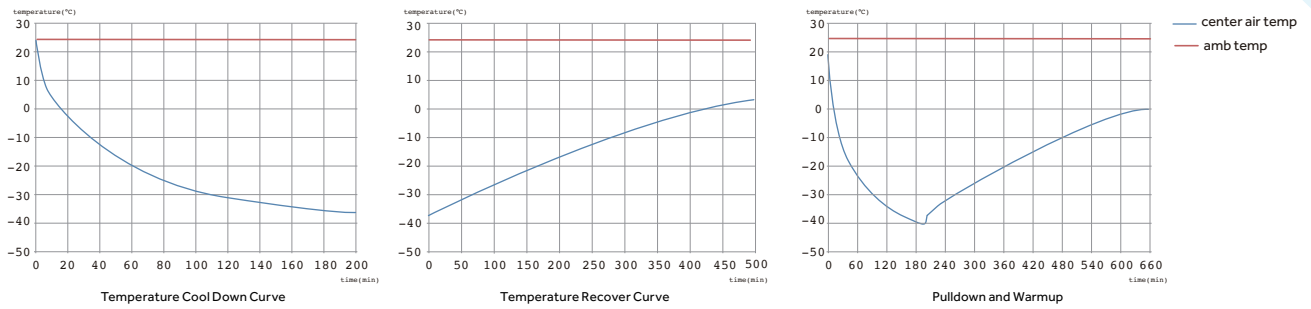
Aluminum alloy handle, stable and durable

Standard casters and leveling legs for easy of maneuvering and leveling

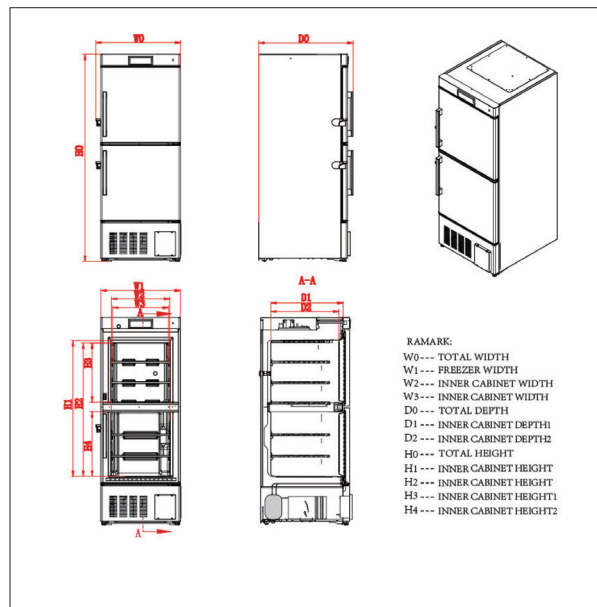
TYPICAL PERFORMANCE CHARACTERISTICS IN 25°C AMBIENT



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PRODUCT DIMENSION DRAWING



CODE	W0	W1	W2	W3	H0	H1	H2	H3	H4	D0	D1	D2
	915mm	865mm	674mm	650mm	1860mm	1220mm	1200mm	531mm	583mm	810mm	648mm	610mm

PRODUCT SPECIFICATIONS

Model		Series I:EL-F-19H	
Technical Data	Cabinet Type	Upright	
	Climate Class	4	
	Cooling Type	Direct cooling	
	Defrost Mode	Manual	
	Refrigerant	HC	
	Sound Level(dB(A))	41	43
Performance	Cooling Performance(°C)	-30	
	Temperature Range(°C)	-10~-30	
Control	Controller	Microprocessor	
	Display	LCD	LED
Electrical Data	Power Supply(V/Hz)	220~240/50	115/60
	Power(W)	530	600
	Electrical Current(A)	3.0	6.5
Dimensions	Capacity(L/Cu.Ft)	490	
	Net/Gross Weight (approx)	kg	164/200
		lbs	361.9/441.3
	Interior Dimension (W*D*H)	mm	685*610*1228
		in	27.0*24.0*48.3
	Exterior Dimension (W*D*H)	mm	915*810*1860
		in	36.0*31.9*73.2
	Packing Dimension (W*D*H)	mm	980*905*2040
		in	38.6*35.6*80.3
	Container Load(20'/40'/40'H)	12/24/24	
Functions	High/Low Temperature	Y	
	Power Failure	Y	/
	Sensor Error	Y	
Accessories	Caster	Y	
	Foot	Y	
	Porthole	Y	
	Temperature Recorder	Optional	
Others	Certification	CE	UL cUL

AEGIS SCIENTIFIC

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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.