

## Model

i.Series® iLF120 Upright Laboratory Freezer

## Specifications

Application, Rating and Electrical Data		Controller	
Application	Storage of medical and scientific products	Interface	i.C <sup>3</sup> ® eye-level, color touchscreen
Storage Volume	20.2 cu ft (572 L)	Power Switch	On/Off with circuit breaker
Temperature Range	-15° to -30°C	Controller Type	Microprocessor with touchscreen input and display. Includes USB port for data retrieval.
Electrical Power	115V 60Hz 208/230V 60Hz 230V 50Hz	Security	Lockable door, password protected settings, optional PIN access
Maximum Current	8.5 FLA / 4.6 FLA / 4.1 FLA	Control Sensor	RTD
Building Supply Rating	15 amp dedicated ground circuit	Communication Ports	(2) USB Ports (1) RJ45 Hub (1) RS232 Port (optional)
Power Plug / Power Cord Length	NEMA 5-15 hospital grade plug (115V) NEMA 6-15 hospital grade plug (208/230V 60Hz) CEE 7/7 plug (230V 50Hz) 8-10 ft (2439-3048 mm)	High / Low Alarms	Fully adjustable
Certification / Agency Listing	QPS (Certified to UL and CSA Standards)	High / Low Alarm Test	Automatic (Peltier)
Indoor/Outdoor Use	Indoor use only	Door Ajar Alarm	Fully adjustable
Application Environment	Non-corrosive, non-flammable, non-explosive, 15°C to 32°C (59°F to 90°F)	Power Failure Alarm	Yes
Refrigeration System		Condenser Temperature Alarm	Fully adjustable
Refrigeration System	Forced-air circulation	Event Log	All alarms, door openings, download via USB
Compressor / Number	1.25 HP hermetic / 1	Temperature Log	60 days, download via USB
Condenser Type / Number	Air-cooled fin and tube / 1	Access Log	60 days, download via USB
Expansion Device	TXV valve	Interactive Temperature Graph	Yes
Evaporator Type	Air-cooled fin and tube	Min/Max Display and Reset	Yes
Defrost Method	Automatic, programmable	Battery Back-up	20 hour display and alarm battery back-up for i.C <sup>3</sup> ® touchscreen (rechargeable 12V, lead acid battery)
Refrigerant Charge	R404A Non-CFC	Dimensions and Construction	
Performance Data		Interior (w x h x d)	24.75 x 58.25 x 24.25 in 629 x 1480 x 616 mm
Uniformity	+/-2°C at -30°C Setpoint	Exterior (w x h x d)	29.5 x 80 x 29.5 in 750 x 2032 x 750 mm
Warranty		Overall Exterior (w x h x d) (Includes door handle, electrical panel, and evaporation tray)	30.75 x 80 x 32.5 in 782 x 2032 x 826 mm
Rel.i™ (US/Canada)	5 years compressor, 2 years parts, 1 year labor	Insulation	Minimum of 2" (51mm) non-CFC foamed urethane insulation
Outside US/Canada	Consult your local representative	Exterior / Interior Finish	Bacteria-resistant powder coating
		Doors	1, Solid
		Access Ports	Top for external monitoring probe(s)
		Perimeter Heater	Mullion Electric Heater
		Interior Storage / Capacity	4 epoxy coated shelves 22 x 23 in (559 x 585 mm) 100 lb (46 kg) max capacity / shelf
		Casters	Standard / swivel locking
		Integrated Access Control	Optional - Electromagnetic lock via i.C <sup>3</sup> User Interface PIN
		Net Weight	443 lb (201 kg)
		Shipping Weight	533 lb (242 kg)
		Clearance Requirements	Minimum of 8" (203mm) above and 3" (76mm) behind unit.
		Options / Accessories	Chart Recorder, Floor & Wall Bracket Kit, Remote Alarms, Leveling Feet, Stainless Steel Interior, Remote Lock Adapter Kit, Extended Warranty



# Technical Data Sheet

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