

## 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<br>208/230V 60Hz<br>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<br>(1) RS232 Port (optional)  |
| Power Plug / Power Cord Length          | NEMA 5-15 hospital grade plug (115V)<br>NEMA 6-15 hospital grade plug (208/230V 60Hz)<br>CEE 7/7 plug (230V 50Hz)<br>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,<br>15°C to 32°C (59°F to 90°F)   | Power Failure Alarm   | Yes  |
| <b>Refrigeration System</b>             |   | 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   | <b>Dimensions and Construction</b>  |  |
| <b>Performance Data</b>                 |   | Interior (w x h x d)  | 24.75 x 58.25 x 24.25 in<br>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<br>750 x 2032 x 750 mm   |
| <b>Warranty</b>                         |   | Overall Exterior (w x h x d) (Includes door handle, electrical panel, and evaporation tray) | 30.75 x 80 x 32.5 in<br>782 x 2032 x 826 mm  |
| Rel.i™ (US/Canada)                      | 5 years compressor, 2 years parts, 1 year labor   | Insulation  | Minimum of 2" (51 mm) 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)<br>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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