



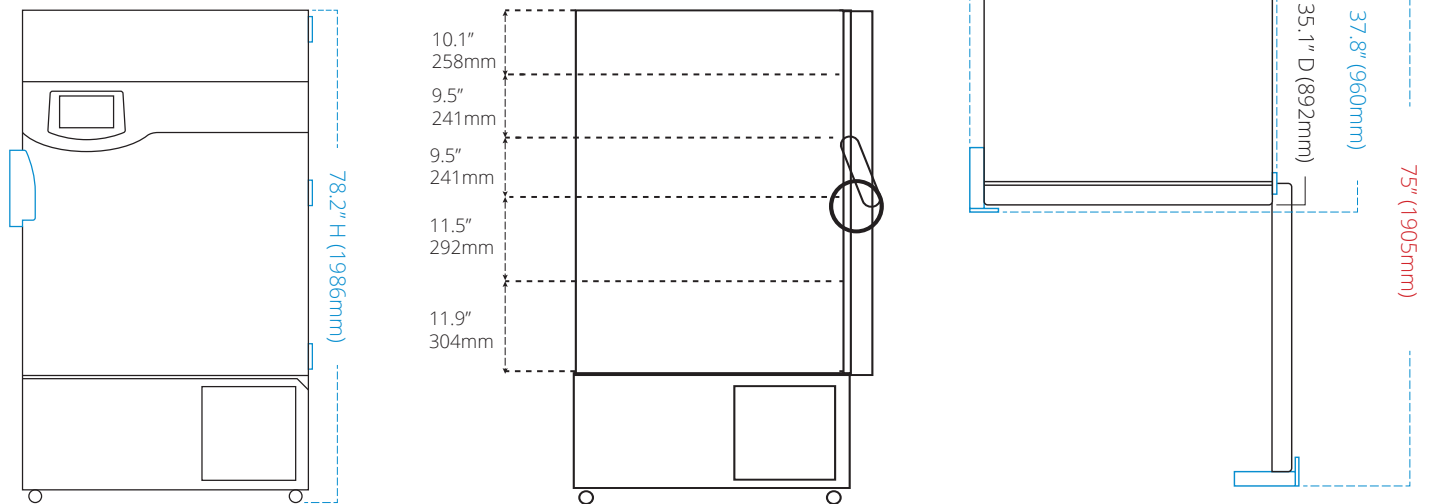


Model Number
i.Series® iUF126-GX

| Application, Rating, and Electrical Data | | Typical Performance Characteristics at 25° Ambient | |
|--|--|--|-------------|
| Application | Storage of biological samples including blood and tissue | Energy Consumption (kWhr/day @-75°C) | 11.65 |
| Storage Volume/Capacity | 26 cu ft (736 liters) / 528 standard 2" (51mm) boxes | Heat Rejection / Emission BTU/hr (watts) | 2,897 / 848 |
| Temperature Range | -50°C to -86°C @ 22°C (72°F) Ambient | Noise Emission / Sound (dB) | 58 |
| Electrical Power | 115V 60 Hz / 220-240V 50/60Hz | Average Temperature Variance (Uniformity) (°C) -70°C to -80°C setpoint @ 25°C to 32°C ambient Throughout operational/ambient range | 8 10 |
| Maximum Current | 8.9A (115V), 4.7A (220-240V) | 15-sec Door Opening Recovery to -79°C (min) | 33.96 |
| Building Supply Rating | Grounded outlet on a dedicated circuit, meeting plug/cord ratings and electrical safety codes/req. 115V AC: 15 A (min) 220-240V AC: 10 A (min) | Peak Variation (Energy Star®) (°C) | 16.24 |
| Power Plug/Power Cord | NEMA 5-15 hospital-grade 115V 60Hz, 8-10 ft (2.4-3M). Inquire about other plug/core options | Pull Down Time (to -80°C (hrs) | 12.88 |
| Certification/Agency Listing | QPS (Certified to UL and CSA Standards) FDA Class II medical device | Warm Up Time (-80°C to -50°C) (min) | 207 |
| Application Environment | Indoor use only. Non-residential. Non-corrosive, non-flammable, non-explosive 15°C to 32°C (59°F to 90°F) | | |
| Refrigeration System | | iUF126-GX Uniformity (-80°C setpoint; 25°C ambient) | |
| Refrigeration System | Two Stage Cascade System |  | |
| Compressor/Number | 1.0 HP hermetic, variable speed (VCC) / 2 | | |
| Condenser Type | Air-cooled fin and tube / 1 | | |
| Expansion Device | Cap tube - high and low stage | | |
| Evaporator Type | Split, cold wall | | |
| Defrost Method | Manual | | |
| Refrigerant (Low/High Stage) | EU F-Gas and EPA SNAP compliant natural hydrocarbon refrigerants High Stage: R290 (propane) Low Stage: R170 (ethane) and R290 (propane) | | |
| Environmental Effects | R170 GWP: 5.5 / ODP 0 R290 GWP: 3.3 / ODP 0 | | |
| Controller | |  | |
| Interface | i.C3®, eye-level, color touchscreen | | |
| Power Switch | On/Off with circuit breakers | | |
| Controller Type | Microprocessor with touchscreen input and display. Includes USB hub for data retrieval | | |
| Security | Lockable door, PIN access control, password setpoints, padlock hasp | | |
| Compressor Safeguard | High ambient temperature warning, compressor and condenser over-temperature alarms | | |
| Control Sensor | RTD (stainless steel) (1 ea) | | |
| Communication Ports | USB, Remote alarm contacts, RJ45 (Ethernet). API available for Ethernet connectivity development | | |
| Warm/Cold Alarms | Fully adjustable | | |
| Logs | Event log (inc alarms and door openings), temperature log, access log, download via USB | | |
| Battery Backup | 20 hour display and alarm battery back-up for i.C3® touchscreen (12V, lead acid battery) | | |

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| Construction | | Options / Accessories | |
|--|---|--|---|
| Insulation | Vacuum Insulated Panels | Chart recorder and Chart paper Leveling legs LN2 and CO2 backup systems Remote alarms Screen protectors USB flash drive Cryo gloves Temperature validation Extended warranty | Racks Boxes Dividers Blood storage canisters/racks Vial storage boxes/racks Tube and microplate racks |
| Door / Seal | 1, solid with vacuum relief port | | |
| Access Ports | 2, external | | |
| Perimeter Heater | Hot gas loop | | |
| Compartments / Inner Doors | 5 | | |
| Casters | Swivel, locking | | |
| Dimensions | | Regulatory | |
| Interior (w x h x d) in mm | 34.3 x 54 x 25.3 (872 x 1373 x 643) |     | |
| Exterior (w x h x d) in mm | 40.2 x 78.2 x 35.1 (1020 x 1986 x 892) | | |
| Exterior (w x h x d) in mm Incl. handle, casters, hinge | 43.8 x 78.2 x 37.8 (1113 x 1986 x 960) | | |
| Shelves / Capacity (w x d) in mm | 4 adj stainless steel, 33.8 x 21.8 (859 x 554) 160 lb (73kg) max cap. | | |
| Net Weight / Shipping Weight | 661 lb (300 kg) 764 lb (347 kg) | | |
| Clearance Requirements | Allow 4" (102mm) behind unit Allow 8" (203mm) above unit Side clearance may be needed: - Allow 5" between left cabinet wall and facility wall for key lock access - Allow 7" between cabinet walls of adjacent freezers for unobstructed door swing | | |



Product Life Cycle - Designed for 10 year service life
 Reli.Warranty (US/Canada) - 5 years compressor, 2 years parts and labor
 Warranty Outside US/Canada - Consult your local representative

Freezer performance in nominal and individual units may vary
 Freezer performance may differ due to product size, amount, and operating conditions