

Biomedical

ULTF-37i






ULTF-37i

-20°C to -86°C Ultra Low temperature freezer

With the smallest footprint, this unit is perfect for storing biomedical content in a room with limited space. The unit can be placed on a table for easy access in your work environment.

Featuring the ETR-System™ (*Extended Temperature Range*) the unit can operate within -20°C to -86°C, giving you flexibility to adjust the cooling to your specific needs, or to save energy reducing both operation costs & carbon emission. Our biomedical appliances offer a reliable solution for users seeking industry leading cooling performance and high operation stability.

-  **Complexity made simple**
-  **Adaptive Cooling Technology™**
-  **Info center**



ULTF-37i | Gallery



ULTF-37i |

| Construction | Value |
|------------------------|--|
| Dimension | 631x630x675 mm |
| Dimension inner | 433x439x271 mm |
| Weight | 70 / 59 gross/net |
| Package weight | 11 kg |
| Material inner cabinet | Stainless steel Kg. gross/net |
| Material outer cabinet | Painted steel Kg. gross/net |
| Insulation type | Polyurethane with cyclopentane |
| Insulation thickness | 80 mm |
| Type of packaging | Cardboard, EPS, vinyl bag, wooden pallet |
| Mobility | 4 x adjustable feet |

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| Storage ULT | Value |
|--------------|-------------------|
| Volume | 37 / 37 Gross/net |
| Cryoboxes "2 | 33 |
| 2 ml vials | 3.300 |

ULTF-37i |

| Features | Value |
|------------------------------|-------|
| Lock | ✓ |
| LED light | ✓ |
| Battery backup | ✓ |
| Porthole | ✓ |
| Porthole size | 20 mm |
| Dry contact | ✓ |
| Door reversibility | — |
| Vacuum valve | ✓ |
| VIP (Vacuum Insulated Panel) | ✓ |

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| Alarms | Value |
|------------------------|-------|
| High / Low temperature | ✓ |
| Open door | ✓ |
| Power failure | ✓ |
| Probe failure | ✓ |

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| Test | Value |
|----------------|------------|
| Voltage | 220 V |
| Frequence | 50 / 60 Hz |
| Max ambient | 43 °C |
| Max Humidity | 65 % |
| Test condition | 20 |

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| Operation | Value |
|---|------------------------------------|
| Temperature range | -20 to -86 °C |
| Unifromity in performance | 2,5 °C |
| Pull down time (from test condition to fabric setpoint) | 84 Minutes |
| Hold over time (from fabric SP to critical point) | 105 Minutes |
| Noise | 46 dB |
| Energy 24 hours | 3,2 kWh/24h |
| Energy year | 1186 kWh/anno |
| Instant Power Consumption | PD 0,550 - 0,300 / Stable 0,270 kW |
| Heat Rejection | 306 W |
| K-Value | 0,19 W/m ² k |

ULTF-37i |

| Cooling components | Value |
|----------------------------------|-------------------------------------|
| Refrigerant/amount | Nature R 2 / 96 Type & gram |
| Number of compressors | 1 |
| Variable speed compressor | <input checked="" type="checkbox"/> |
| Internal air distribution (Type) | Static |
| Evaporator fan | <input type="checkbox"/> |
| Condensor fan | <input checked="" type="checkbox"/> |
| Number of probes | 2 |
| Defrost | <input type="checkbox"/> |

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| Controller | Value |
|---------------------------------|--|
| Controller | i-CARE |
| Controller type | |
| USB Connection | Yes |
| Data connection | MODBUS |
| Controller abilities | Logging of data & alarms, touch screen |
| Controller languages | EN, DE, FR |
| Log numbers | More than a year |
| Temperature graph in controller | <input checked="" type="checkbox"/> |

