



BIOMEDICAL

ULT-51i

ULT TECHNICAL SPECIFICATIONS

Multi voltage.



| DIMENSIONS | VALUE |
|----------------------------|--------------------------|
| Dimension HxWxD | 836x657x778 |
| Dimension inner HxWxD | 307x357x443 |
| Weight | 82 |
| Package weight | 26 |
| Packaging dimensions HxWxD | 1011x739x824 |
| Material inner cabinet | Stainless steel |
| Material outer cabinet | Galv. steel prepainted |
| Insulation type | PUR |
| Insulation thickness | 120 |
| Type of packaging | Cardboard, EPS, PE, wood |
| Mobility | 4 x adjustable feet |

| STORAGE | VALUE |
|--------------|-------|
| Capacity (L) | 50 |

| ALARMS | VALUE |
|------------------------|-------------------------------------|
| High / Low temperature | <input checked="" type="checkbox"/> |
| Open door | <input checked="" type="checkbox"/> |
| Power failure | <input checked="" type="checkbox"/> |
| Probe failure | <input checked="" type="checkbox"/> |

| FEATURES | VALUE |
|------------------------------|-------------------------------------|
| Lock | <input checked="" type="checkbox"/> |
| LED light | <input checked="" type="checkbox"/> |
| Battery backup | <input checked="" type="checkbox"/> |
| Porthole | <input checked="" type="checkbox"/> |
| Porthole size | 20 mm |
| Dry contact | <input checked="" type="checkbox"/> |
| Door reversibility | <input type="checkbox"/> |
| Vacuum valve | <input checked="" type="checkbox"/> |
| VIP (Vacuum Insulated Panel) | <input checked="" type="checkbox"/> |

| COOLING | VALUE |
|-------------------|-----------|
| Refrigerant | Nature R |
| Energy 20 °C | |
| Noise | < 48 |
| Voltage | 110-230V |
| Frequenze | 50/60 Hz |
| Temperature range | -25 / -86 |
| Ambient condition | 25 °C |



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OPERATING CONDITIONS

| | | |
|-------------------|------------|-------|
| Voltage/Frequency | Voltage/Hz | 50/60 |
| Max Ambient | °C | 25 |
| Max Humidity | % rh | 60 |
| Test condition | °C | 20 |

| PERFORMANCE | UNIT | VALUE |
|---|--------------------|------------------------|
| All data in RT20°C | | |
| Temperature Range | °C | -25 to -86 |
| Uniformity in performance - difference between top and bottom | °C | +/- 2,5 |
| Pull down time | Minutes | 90 min. to -75°C |
| Hold over time | Minutes | N/A |
| Noise | dB | N/A |
| Energy 24 hours | kWh/24h | 4,34 kWh/24h set -80°C |
| Energy year | kWh/year | 1584kWh/y set -80°C |
| Instant Power Consumption | kW | PD 0,600/Stable 0,280 |
| Heat Rejection | W | N/A |
| K-Value | W/m ² K | N/A |

| COOLING COMPONENTS | VALUE |
|-------------------------------------|------------------|
| Refrigerant/Amount (gram) | Nature R 2/121gr |
| Number of compressors | 1 |
| Varibel speed compressor | Yes |
| Internal air distribution (type of) | Static |
| Evaporator Fan | No |
| Condenser Fan | Yes |
| Number of probes | 2 |
| Defrost | No |

| CONTROLLER | VALUE |
|---------------------------------|--------------------------|
| Controller | yes |
| Controller type | i-Care touch |
| USB Connection | yes |
| Data connection | yes |
| Controller abilities | logging of data & alarms |
| Controller languages | EN, DE, FR |
| Temperature curve in controller | yes |