

# Upright freezer ULT U100



- Optimal footprint, easily installable & movable
- Low cost of ownership
- Limited maintenance and on-site service
- Eco-friendly, HCFC-free Nature R refrigerant
- Efficient cyclopentane insulation
- ISO 9001, 14001 & 18001 OHSAS Certified

| Specifications                           |                             |
|--|-----------------------------|
| <b>Technical</b>                         |                             |
| Gross volume                             | 93 litres                   |
| Net volume                               | 91 litres                   |
| Temp. range                              | -60°C to -86°C              |
| Temp. probes                             | 1/PT 1000                   |
| Compressor                               | Embraco                     |
| Refrigerant                              | Nature R                    |
| Noise level                              | 57 dB                       |
| Power consumption 24/h                   | 5,82 kWh                    |
| Power consumption                        | 2.124 kWh / year            |
| Voltage                                  | 220V-240V                   |
| Frequency                                | 50 Hz                       |
| <b>Features</b>                          |                             |
| Audible & visual alarm                   | YES                         |
| Castors                                  | NO                          |
| Inner doors                              | NO                          |
| Defrost                                  | Manual                      |
| Integrated lock                          | YES                         |
| Battery Backup                           | 50h                         |
| USB                                      | YES                         |
| Data connection                          | MODBUS                      |
| Digital controller                       | XW737K                      |
| Data logging                             | 35.000 Entries              |
| High/Low temperature alarm               | YES                         |
| Adjustable shelves, stainless steel      | 2                           |
| Door vacuum release                      | Automatic                   |
| Porthole for external probe & CO2 backup | Ø12 mm                      |
| Prepared for external logging equipment  | YES                         |
| Contact for remote alarm                 | YES                         |
| <b>Material</b>                          |                             |
| Inner                                    | Stainless steel             |
| Outer                                    | Galvanized pre-coated steel |
| <b>Dimensions</b>                        |                             |
| Height:                                  | 825 mm                      |
| Width:                                   | 595 mm                      |
| Depth:                                   | 585 mm                      |
| Depth incl. door handle                  | 650 mm                      |
| Net weight                               | 56 kg                       |
| <b>Internal dimensions</b>               |                             |
| Height                                   | 625/395 mm                  |
| Width                                    | 430 mm                      |
| Depth                                    | 425/205 mm                  |
| Insulation                               | 80 mm                       |
| Insulationtype                           | PUR                         |
| Internal humidity                        | <5 %                        |

| ULT U100    |         |
|-------------|---------|
|             |         |
| Product no. | N123001 |

| Storage capacity. Rack |              |              |                    |             |
|------------------------|--------------|--------------|--------------------|-------------|
| Box height             | No. of boxes | No. of racks | Total no. of boxes | Product no. |
| 50 mm                  | 74           | 1            | 74                 | N321700     |
| 75 mm                  | 45           | 1            | 45                 | N321800     |
| 100 mm                 | 33           | 1            | 33                 | N331400     |

| Storage capacity. Rack with boxes and dividers |         |                |             |
|--|---------|----------------|-------------|
| Box height                                     | Divider | No. of samples | Product no. |
| 50 mm  | 9x9     | 5994           | N322700     |
| 50 mm  | 10x10   | 7400           | N322710     |
| 75 mm  | 9x9     | 3645           | N322800     |
| 75 mm  | 10x10   | 4500           | N322810     |
| 100 mm   | 9x9     | 2673           | N332400     |
| 100 mm   | 10x10   | 3300           | N332410     |