# ARCTIK◐
## true cooling specialists
# ULTF 320

**-40/-86°**

**ULTRA LOW TEMPERATURE |** CHEST FREEZER

Optimized internal storage capacity with stainless steel racks. Offers a lot of great controller features with the user-friendly controller in 4,3" display screen.

ULTF 320* ▼

## ▶ CONTROLLER FEATURES

Arctiko's ULTF series comes with the 4,3" G214 controller which combines security, monitoring & data logging functions.

This range allows data logging for up to 30 years, multiple alarms and much more customizability ensuring that the functionality of the chest models have the same features as the upright units in the same temperature range.

## ▶ SUPERIOR COOLING PERFORMANCE

Reaching -80°C in only 190 minutes due to our our single compressor technology. The technology is specially designed to be the best in class in cooling performance.

With the ULTF freezer you are secured superior temperature stability and great temperature uniformity even after door openings. It also helps provide a stable cooling performance while lowering the energy consumption.

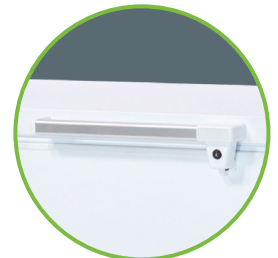SINGLE COMPRESSOR SYSTEM

FILTERLESS CONSTRUCTION

**dB↓** NOISE REDUCTION TECHNOLOGY

User friendly G214 controller standard in ULTF range. Includes different alarms as; visual, acoustic , open door and more.

## ▶ OPTIMIZED STORAGE CAPACITY

The compact space-saving cabinet design guarantees a reduced footprint because of the Arctiko's specifically developed vacuum insulated panels, optimizing the freezer to increase energy efficiency and cooling performance.

The vacuum insulated panels are of a high-efficient quality that secures the lowest possible energy consumption. VIP panels combined with Arctiko's state-of-the-art single compressor technology provide a safe and high-quality ULT freezer.
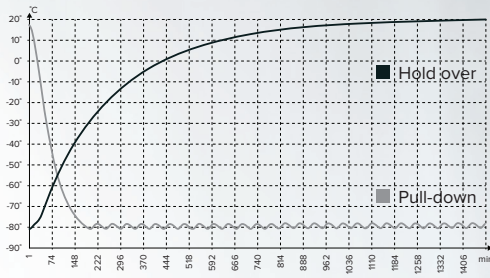
Lock on handle for optimal security of the valued samples. Comes as a standard feature.

Optimal storage capacity and overview of the stored samples with the stainless steel front rack storage system.
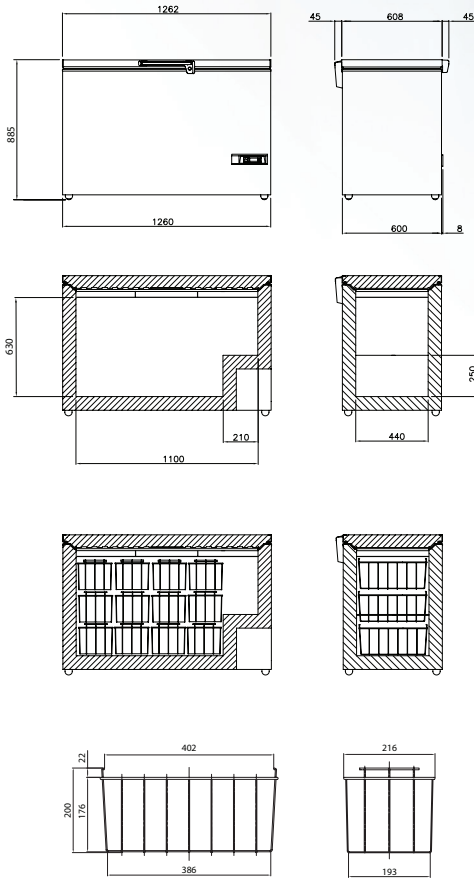
# ARCTIKO ULTF 320
true cooling specialists




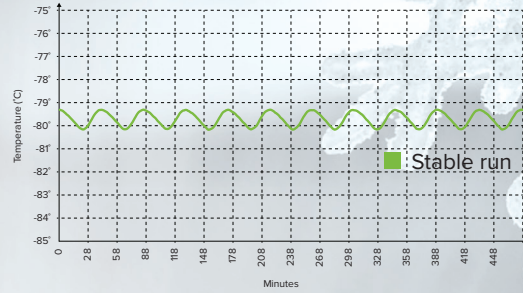Hold over
Pull-down

Stable run

▲ **IMPROVED RECOVERY TIMES**

Pull-down times measures the time taken for temperature to rise, the faster the better. Hold over indication the freezers ability to keep the samples safe.

The ARCTIKO ULTF 320 Model supports following optional features:

- Modbus adapter for G214 controller
- Temperature chart recorder
- Rollers on metal frame
- $CO_2$ Back-up system
- GSM alarm module
- Voltage converter
- Voltage stabilizer
- Racks & boxes
- Cryo gloves

**ISO 9001:2015**
Certificate No: 33037

**ISO 13485:2016**
Certificate No: 0000320341-PA-NA-NOR

CE

| MODEL | ULTF 320 |
|---|---|
| **Main specifications** | |
| Item code | DAI 0205 |
| Temperature range (°C) | -40 / -86 |
| Max. ambient temperature (°C) | 20 |
| Capacity (L) | 284 |
| Exterior dimensions WxDxH (mm) | 1262x691x890 |
| Interior dimensions WxDxH (mm) | 1100x440x630 |
| Weight (KG) | 76 |
| Insulation (mm) | 80 |
| Cooling technology | single system / static |
| Controller model / probe type | G214 / PT1000 |
| **Power** | |
| Power supply (V) | 230 |
| Frequency (Hz) | 50/60 |
| Power consumption (kWh/24h) | 7,5 |
| AMP (A) | 2,5 |
| Power (Watt) | 466 |
| Horse power (HP) | 3/4 |
| **Alarm functions** | |
| Alarm display as text - not codes | yes |
| Visual / acoustic alarm | yes / yes |
| Power failure alarm | yes |
| Adjustable high / low temperature alarm | yes / yes |
| Open door alarm | yes |
| Probe failure alarm | yes |
| Low battery alarm | yes |
| Compressor failure alarm | yes |
| Battery backup for alarms (approx. hrs.) | 72 |
| **Data logging & external connection** | |
| Voltage free contact for remote alarm (e.g. GSM alarm module) | yes |
| Electronic data logger | yes |
| RS 485 port | yes |
| USB port for software update & data download | yes |
| Temperature chart recorder | optional |
| **Display features** | |
| Display type | 4,3'' with touch buttons |
| Number of optional reference probes | 2 |
| Password protection for turning unit on / off | yes |
| Temperature graph on display | yes |
| **Other features** | |
| Automatic defrost | no |
| Antifreeze function | no |
| Vacuum release port | no |
| Access port for external probe etc. (int. diameter mm) | 12 |
| Light | no |
| Lock with key | yes |
| Castors (total pcs) / castors with brake (pcs) | 4 / optional |
| Fixed feet (pcs) / levelling feet (pcs) | no |
| Sub lids / inner doors (pcs) | 3 |
| Reversible door(s) | no |
| Total capacity of 50 mm boxes 9x9 didviders (pcs) | 216 |
| Total capacity of 75 mm boxes 9x9 didviders (pcs) | 138 |
| Total capacity of 96 mm boxes 9x9 didviders (pcs) | 99 |
| **Refrigeration & cabinet** | |
| Number of compressors | 1 |
| Refrigerant | Nature R |
| Interior cabinet material | painted steel |
| Exterior cabinet material | painted steel |
| Colour (exterior cabinet) | white |
| Foam type | polyurethane |
| VIP vacuum insulated panels | no |
| **Shipping** | |
| Shipping weight (kg) | 114 |
| Shipping dimensions WxDxH (cm) | 136x76x106 |
| Shipping volume (m³) | 1,10 |

Arctiko A/S ■ Oddesundvej 39 · DK-6715 Esbjerg N
Phone: +45 7020 0328 ■ info@arctiko.com ■ arctiko.com