



**ARCTIKO**   
true cooling specialists

**-90° C**  
INTEGRA LINE

# ULUF P500

**HIGHLY RELIABLE ULTRA LOW FREEZER WITH DOUBLE SECURITY.**

ULUF P500 FREEZERS COMES WITH DUAL COOLING TECHNOLOGY THAT OFFERS THE HIGHEST LEVEL OF SECURITY FOR YOUR VALUABLE SAMPLES.



**NOISE  
REDUCTION  
TECHNOLOGY**



**DUAL  
COOLING  
SYSTEM**



**VACUUM  
INSULATED  
PANELS**



**AIRFLOW  
CONTROL**

## WORKING ENVIRONMENT

The INTEGRA range helps provide a pleasant work environment where they are installed by placing the compressor and other heat and noise generating components on top of the unit, rather than the bottom. By placing the components on top of the freezer, there is never a compartment that you will have difficulties overlooking or using fully. Ensuring an ergonomically correct unit, which is easy and pleasant to use on a day-to-day basis. We are also able to reduce the noise level to only 49 dBA with our Noise Reduction Technology, ensuring a pleasant work environment.

## RELIABLE AND ENERGY EFFICIENT

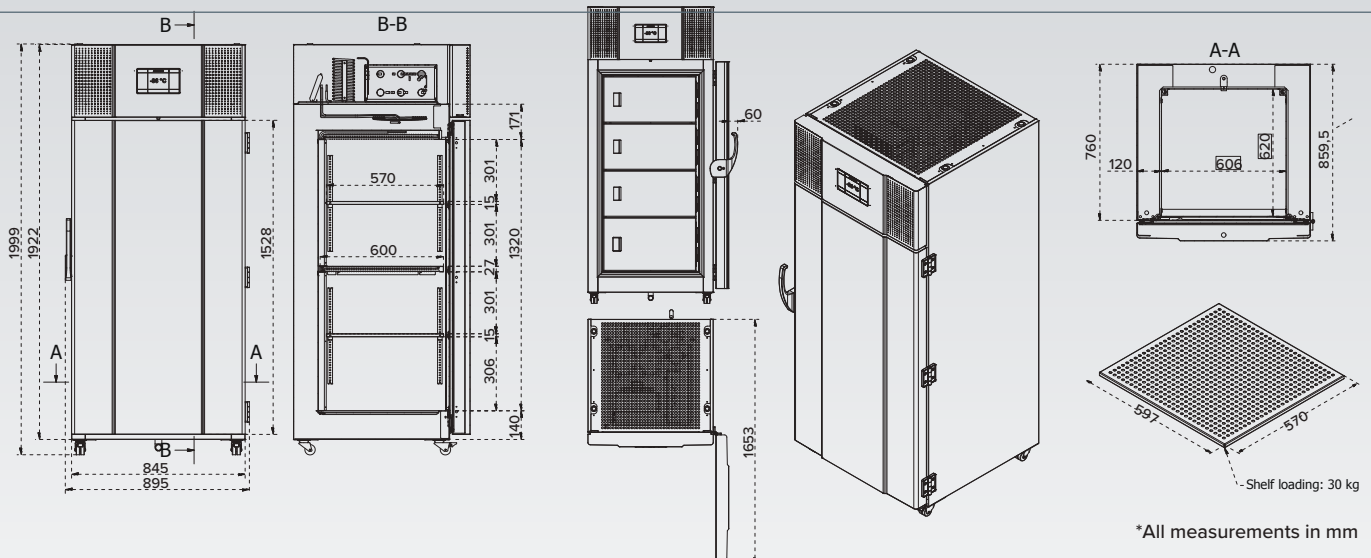
The INTEGRA range is developed with our advanced technologies and with the best components to secure the best performance. Besides of the regular polyurethane foam the INTEGRA range has a layer of vacuum insulated panels (VIP), that provides an even better insulating effect, this helps provide a stable cooling performance while also lowering the energy consumption. Our filter less construction makes cleaning unnecessary. With our compressors located on top, the dust intake is minimal - eliminating the need for filters entirely, saving you maintenance time and cost.

## ULTIMATE SAMPLE PROTECTION

The dual cooling system is standard in the new INTEGRA range, offering great advantages.

In the event of any failure on one of the cooling systems, the other system will still maintain the temperature of -80°C meaning your valuable samples at all times are stored with best possible security.

## MAIN DIMENSION FOR ULUF P500





The sublids are all easy detachable to ease and speed up the cleaning process.



The new developed V700 controller comes as standard on the new INTEGRA range.



The shelves in the new INTEGRA range are perforated and easy adjustable in order to offer best flexibility for your storage needs.

## OPTIONAL ACCESSORIES

CO2 backup  
Chart recorder  
SVS voltage stabilizer  
GSM alarm module  
Racks & boxes  
Cryo gloves  
Drawer systems  
Modbus adapter

## UNIT INFORMATION

|                                |              |
|--------------------------------|--------------|
| Item code                      | DAI 1805     |
| Dimensions exterior WxDxH (mm) | 895x860x1999 |
| Controller (name)              | V700         |
| Capacity (L)                   | 496          |
| Dimensions interior WxDxH (mm) | 606x600x1320 |
| Insulation (mm)                | 120          |
| Temperature range (°C)         | -90/ -40     |
| Max. ambient temperature (°C)  | 25           |
| Cooling technology             | Dual cooling |

## POWER

|                                                                                            |          |
|--------------------------------------------------------------------------------------------|----------|
| Power supply (V)                                                                           | 230      |
| Frequency (Hz)                                                                             | 50/60    |
| Power consumption (KWH/24H)                                                                | 15,4     |
| AMP (A)                                                                                    | TBA      |
| Power (Watt)                                                                               | TBA      |
| Horse power (HP)                                                                           | 2 x 3/4  |
| Battery backup for alarms and temperature display in the event of power cut (approx hours) | 72 hours |

## ALARM FUNCTIONS

|                                       |     |
|---------------------------------------|-----|
| Alarm display as text - not codes     | yes |
| Visual / Acoustic alarm               | yes |
| Power failure alarm                   | yes |
| Adjustable high/low temperature alarm | yes |
| Open door alarm                       | yes |
| Probe failure alarm                   | yes |
| Low battery alarm                     | yes |
| Compressor alarm                      | yes |

## LOGGER & EXT. CONNECTION

|                               |          |
|-------------------------------|----------|
| Contact for remote alarm      | yes      |
| Prepared for GSM alarm module | yes      |
| Data logger                   | yes      |
| RS 232 interface              | yes      |
| USB for software upload       | yes      |
| USB readout for logged data   | yes      |
| Chart recorder                | optional |

## DISPLAY FEATURES

|                                             |        |
|---------------------------------------------|--------|
| Digital display                             | yes    |
| Defrost manual / auto                       | manual |
| 2 extra probes can be mounted inside        | yes    |
| Password protection for turning unit on/off | yes    |
| Temperature graph on display                | yes    |

## OTHER EQUIPMENT

|                                            |                |
|--------------------------------------------|----------------|
| Porthole for external probe etc.           | yes            |
| Porthole position                          | back           |
| Porthole diameter (mm)                     | ø10            |
| Temperature sensor                         | PT100          |
| Lighting                                   | yes            |
| Key lock / Card lock                       | yes / optional |
| Castors / with break in front              | yes / yes      |
| Shelves (pcs.) / drawers (pcs.)            | 3 / no         |
| Adjustable shelves (pcs.) / drawers (pcs.) | 2 / no         |
| Max load per shelf                         | 30kg           |
| Vacuum release port                        | yes            |
| Basket (pcs.)                              | no             |
| Sub lids / sub doors (pcs.)                | no / 4         |
| Reversible doors (pcs.)                    | no             |

## REFRIGERATION & CABINET

|                      |                 |
|----------------------|-----------------|
| No. of compressors   | 2               |
| Refrigerant          | EP88            |
| Inner liner material | stainless steel |
| Cabinet material     | varnished steel |
| Colour (exterior)    | white           |
| Foam agent           | polyurethane    |

## SHIPPING

|                                |             |
|--------------------------------|-------------|
| Weight (KG)                    | 235         |
| Shipping weight (KG)           | 340         |
| Shipping dimensions WxDxH (cm) | 103x127x223 |
| Shipping volume (m³)           | 2,92        |

## Arctiko A/S

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