



Model KBF-S ECO 720  
 Sizes 247 L, 720 L, 1020 L

## CONSTANT CLIMATE CHAMBERS

- Homogeneous climate even when fully loaded ensured by APT.line™ preheating chamber technology. 30% more load per shelf than conventional chambers
- Temperature range: 0 °C to +70 °C, Temperatures down to 28°C below ambient possible
- Exceptionally energy-saving due to BINDERs Peltier technology
- Exceptionally low noise level due to inside ventilator positioning
- Environmental-friendly without refrigerants

### Serie KBF-S ECO

with Peltier-Technology!

The most energy-efficient constant climate chamber in its class

## SAFE



Homogeneous climate due to APT.line™ double-sided airflow ensures full coverage of the ICH Guidelines with 30% more load per shelf than conventional chambers

## SMART



Exceptionally quiet operation

## RELIABLE



Stable climate even at temperatures up to 28 °C below ambient

## ECONOMICAL



Lowest energy consumption of its class based on superior Peltier-technology

## TECHNICAL DATA

| Description   | KBF-S ECO 240 | KBF-S ECO 720 | KBF-S ECO 1020 |
|---|---------------|---------------|----------------|
| <b>Performance Data Temperature</b>                                 |               |               |                |
| Max. heat compensation at 40 °C [W]                                 | 250           | 400           | 400            |
| Temperature fluctuation at 40 °C [± K]                              | 0,2           | 0,3           | 0,5            |
| Temperature range (max. 28°C below ambient temperature) [°C]*       | 0...70        | 0...70        | 0...70         |
| Temperature variation at 40 °C [± K]                                | 0,1           | 0,1           | 0,1            |
| <b>Performance data climate</b>                                     |               |               |                |
| Recovery time after 30 seconds door open at 25 °C and 60 % RH [min] | 5             | 7             | 5              |
| Recovery time after 30 seconds door open at 40 °C and 75 % RH [min] | 11            | 17            | 15             |
| Humidity range [% RH]   | 10...80       | 10...80       | 10...80        |
| Temperature variation at 25 °C and 60 % RH [± K]                    | 0,1           | 0,1           | 0,1            |
| Temperature variation at 40 °C and 75 % RH [± K]                    | 0,2           | 0,3           | 0,5            |
| Temperature range (max. 28°C below ambient temperature) [°C]*       | 5...70        | 5...70        | 5...70         |
| Humidity fluctuation at 25 °C and 60 % RH                           | 0,3           | 0,3           | 0,4            |
| Humidity fluctuation at 40 °C and 75 % RH                           | 0,3           | 0,3           | 0,4            |
| Temperature fluctuation at 25 °C and 60 % RH [± K]                  | 0,1           | 0,1           | 0,1            |
| Temperature fluctuation at 40 °C and 75 % RH [± K]                  | 0,1           | 0,1           | 0,1            |
| <b>Measures</b>   |               |               |                |
| Net weight of the unit (empty) [kg]                                 | 146           | 267           | 322            |
| Interior volume [L]   | 247           | 700           | 1020           |
| Load per rack [kg]  | 30            | 45            | 45             |
| Permitted load [kg]   | 100           | 150           | 150            |
| <b>Environment-specific data</b>                                    |               |               |                |
| Energy consumption at 40 °C and 75 % RH [Wh/h]                      | 85            | 130           | 135            |
| Sound-pressure level [dB(A)]  | 46            | 48            | 49             |
| <b>Fixtures</b>   |               |               |                |
| Number of shelves (std./max.)                                       | 2/9           | 2/15          | 2/15           |

\* With the KBF-S ECO 240, temperature differences of up to 28 °C below the ambient temperature are possible, with the KBF-S ECO 720 and KBF-S ECO 1020, temperature differences of up to 24 °C below the ambient temperature are possible.

The lowest operating temperature for all devices is 0 °C, regardless of the ambient temperature

## OPTIONS & ACCESSORIES



Access ports



BINDER PURE AQUA Service



Data Logger



LED strip light accessories

### Contact:

BINDER GmbH | Tuttlingen, Germany

Tel +49 7462 2005 0 | Fax +49 7462 2005 100

info@binder-world.com | www.binder-world.com

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