Model BD-S 115 | Standard-Incubators with natural convection

The new products in the Solid.Line impress with their tried-and-tested BINDER quality and reliability. They are suited to incubation. The attributes of the Solid.Line are geared towards the application in question and therefore used in research and quality assurance.

**BEENEFITS**

- Easy handling
- Accurate temperature control
- Simple and ergonomic door opening

**MAIN FEATURES**

- Temperature range: +5 °C above ambient temperature to +70 °C
- APT.line™ preheating chamber technology
- Natural convection
- Adjustable exhaust air flap
- Controller with timer function
- Inner door made of tempered safety glass
- 1 chrome-plated rack, incl. shelf supports
- Class 3.1 integrated independent temperature safety device (DIN 12880) with visual alarm

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>118</td>
<td>230 V 1~ ph 50/60 Hz</td>
<td>Standard</td>
<td>BDS115-230V</td>
<td>9090-0022</td>
</tr>
<tr>
<td></td>
<td>120 V 1~ ph 60 Hz</td>
<td>Standard</td>
<td>BDS115UL-120V</td>
<td>9090-0023</td>
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</tbody>
</table>

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Description</th>
<th>BDS115-230V</th>
<th>BDS115UL-120V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article Number</td>
<td>9090-0022</td>
<td>9090-0023</td>
</tr>
<tr>
<td>Performance Data Temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature range +5 °C above ambient temperature to</td>
<td>70 °C</td>
<td>70 °C</td>
</tr>
<tr>
<td>Temperature variation at 37 °C [± K]</td>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td>Temperature fluctuation at 37 °C [± K]</td>
<td>0.2</td>
<td>0.2</td>
</tr>
<tr>
<td>Recovery time after 30 seconds door open at 37 °C [min]</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>
**Description**

<table>
<thead>
<tr>
<th>Article Number</th>
<th>BDS115-230V</th>
<th>BDS115UL-120V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical data</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated Voltage [V]</td>
<td>230</td>
<td>120</td>
</tr>
<tr>
<td>Power frequency [Hz]</td>
<td>50/60</td>
<td>60</td>
</tr>
<tr>
<td>Nominal power [kW]</td>
<td>0.35</td>
<td>0.35</td>
</tr>
<tr>
<td>Unit fuse [A]</td>
<td>6.3</td>
<td>6.3</td>
</tr>
<tr>
<td>Phase (Nominal voltage)</td>
<td>1~</td>
<td>1~</td>
</tr>
<tr>
<td>Measures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interior volume [L]</td>
<td>118</td>
<td>118</td>
</tr>
<tr>
<td>Net weight of the unit (empty) [kg]</td>
<td>53</td>
<td>47</td>
</tr>
<tr>
<td>Permitted load [kg]</td>
<td>75</td>
<td>75</td>
</tr>
<tr>
<td>Load per rack [kg]</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Wall clearance back [mm]</td>
<td>160</td>
<td>160</td>
</tr>
<tr>
<td>Wall clearance sidewise [mm]</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Internal Dimensions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width [mm]</td>
<td>550</td>
<td>550</td>
</tr>
<tr>
<td>Height [mm]</td>
<td>550</td>
<td>550</td>
</tr>
<tr>
<td>Depth [mm]</td>
<td>390</td>
<td>390</td>
</tr>
<tr>
<td>Doors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inner doors</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Unit doors</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Housing dimensions not incl. fittings and connections</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width net [mm]</td>
<td>764</td>
<td>764</td>
</tr>
<tr>
<td>Height net [mm]</td>
<td>735</td>
<td>735</td>
</tr>
<tr>
<td>Depth net [mm]</td>
<td>616</td>
<td>616</td>
</tr>
<tr>
<td>Environment-specific data</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy consumption at 37 °C [Wh/h]</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Fixtures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of shelves (std./max.)</td>
<td>1/5</td>
<td>1/5</td>
</tr>
</tbody>
</table>

**Dimensions incl. fittings and connections [mm]**

![](image)

**Accessories**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
<th>*</th>
<th>Art.-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Logger Kit</td>
<td>T 220: For continuous temperature logging from -90 °C to 220 °C. The kit includes 1 data logger, Pt 100 sensor with 2 m extension cable and 1 magnetic fixture for mounting to the BINDER unit</td>
<td>-</td>
<td>8012-0715</td>
</tr>
<tr>
<td>Data Logger Software</td>
<td>LOG ANALYZE software kit, configuration and evaluation software for all BINDER Data Logger Kits (incl. USB data cable)</td>
<td>-</td>
<td>8012-0821</td>
</tr>
<tr>
<td>Grid shelf</td>
<td>Incl. shelf supports chrome plated</td>
<td>-</td>
<td>8012-1808</td>
</tr>
<tr>
<td>pH-neutral detergent</td>
<td>concentrated, for gentle remove of residual contaminants; 1 kg</td>
<td>-</td>
<td>1002-0016</td>
</tr>
<tr>
<td>Rubber pads</td>
<td>set anti-slip feet</td>
<td>-</td>
<td>8012-1887</td>
</tr>
</tbody>
</table>

*Notes: See last page
## SERVICES

<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
<th>*</th>
<th>Art.-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Installation services</strong></td>
<td>*</td>
<td><strong>05</strong></td>
<td>DL10-0100</td>
</tr>
<tr>
<td>Unit commissioning</td>
<td>Connect the unit to the customer-side connections (electricity, water, wastewater, gas), basic functions check, brief operating instructions. (excl.: unpacking, setup, controller instructions, programming, installation work)</td>
<td>05</td>
<td>DL10-0100</td>
</tr>
<tr>
<td>Unit instructions</td>
<td>Instruction regarding operating principle and basic functions of the unit, operation of the control electronics including programming</td>
<td>05</td>
<td>DL10-0500</td>
</tr>
<tr>
<td><strong>Maintenance services</strong></td>
<td></td>
<td><strong>05</strong></td>
<td>DL20-0200</td>
</tr>
<tr>
<td>Maintenance</td>
<td>Maintenance service in accordance with maintenance schedule. Visual inspection of mechanical and electrical components, testing of all key functions. Calibration of a test temperature specified by the user in center of chamber without certificate</td>
<td>05</td>
<td>DL20-0200</td>
</tr>
<tr>
<td><strong>Calibration services</strong></td>
<td></td>
<td><strong>03, 04, 05</strong></td>
<td>DL30-0101</td>
</tr>
<tr>
<td>Calibration certificate, temperature</td>
<td>Calibration of one (1) test temperature specified by the user in center of chamber including certificate</td>
<td>03, 04, 05</td>
<td>DL30-0101</td>
</tr>
<tr>
<td>Temperature measurement, 27 measuring points</td>
<td>Temperature measurement with 27 measuring points with a set value specified by the user, including certificate</td>
<td>03, 04, 05</td>
<td>DL30-0127</td>
</tr>
<tr>
<td><strong>Temperature measurement, 9 measuring points</strong></td>
<td>Temperature measurement with 9 measuring points with a set value specified by the user, including certificate</td>
<td>03, 04, 05</td>
<td>DL30-0109</td>
</tr>
<tr>
<td><strong>Warranty service</strong></td>
<td></td>
<td><strong>-</strong></td>
<td>DL01-6041</td>
</tr>
<tr>
<td>Warranty extension from 2 to 3 years</td>
<td>The warranty is extended from 2 to 3 years from the delivery date, wear parts are excluded</td>
<td>-</td>
<td>DL01-6041</td>
</tr>
</tbody>
</table>

* Notes › See last page
NOTES

01 Condensation may occur in the area around the access port. Access ports may be placed in custom locations for an additional charge.

02 UL mark is not granted when this option is used.

03 Sensor calibration is performed in an accredited calibration laboratory.

04 Calibration is performed according to the BINDER factory standard.

05 Quoted prices do not include travel costs. Please refer to the chapter on BINDER Service for travel costs for your region. Quoted prices for services performed in Switzerland do not include a country-specific added fee (available on request).