BD Kiestra™ WCA (Work Cell Automation)
Technical Specifications
# BD Kiestra™ WCA (Work Cell Automation)

## Technical Specifications

### Max Heat Production (BTU/hr)

<table>
<thead>
<tr>
<th>WCA 1</th>
<th>WCA 2</th>
<th>WCA 3</th>
<th>SCU*</th>
</tr>
</thead>
<tbody>
<tr>
<td>7500</td>
<td>10000</td>
<td>13000</td>
<td>3750</td>
</tr>
</tbody>
</table>

### Electrical Requirements

<table>
<thead>
<tr>
<th>WCA 1</th>
<th>WCA 2</th>
<th>WCA 3</th>
<th>SCU*</th>
</tr>
</thead>
<tbody>
<tr>
<td>208-204 Vac 50-60 Hz 3x group 16A</td>
<td>208-204 Vac 50-60 Hz 4x group 16A</td>
<td>208-204 Vac 50-60 Hz 5x group 16A</td>
<td>208-204 Vac 50-60 Hz 2x group 16A</td>
</tr>
</tbody>
</table>

### Power Consumption (VA)

<table>
<thead>
<tr>
<th>WCA 1</th>
<th>WCA 2</th>
<th>WCA 3</th>
<th>SCU*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2200</td>
<td>3000</td>
<td>3800</td>
<td>1100</td>
</tr>
</tbody>
</table>

### Space Requirements: Width

<table>
<thead>
<tr>
<th>WCA 1</th>
<th>WCA 2</th>
<th>WCA 3</th>
<th>SCU*</th>
</tr>
</thead>
<tbody>
<tr>
<td>4434 mm / 14 ft 6.55 in</td>
<td>4434 mm / 14 ft 6.55 in</td>
<td>4434 mm / 14 ft 6.55 in</td>
<td>750 mm / 29.5 in</td>
</tr>
</tbody>
</table>

### Space Requirements: Depth

<table>
<thead>
<tr>
<th>WCA 1</th>
<th>WCA 2</th>
<th>WCA 3</th>
<th>SCU*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3348 mm / 10 ft 11.8 in</td>
<td>4368 mm / 14 ft 3.96 in</td>
<td>5348 mm / 17 ft 6.54 in</td>
<td>1100 mm / 44.4 in</td>
</tr>
</tbody>
</table>

### Space Requirements: Height

<table>
<thead>
<tr>
<th>WCA 1</th>
<th>WCA 2</th>
<th>WCA 3</th>
<th>SCU*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2300 mm / 7 ft 6.55 in</td>
<td>2300 mm / 7 ft 6.55 in</td>
<td>2300 mm / 7 ft 6.55 in</td>
<td>1015 mm / 39.9 in</td>
</tr>
</tbody>
</table>

### Weight

<table>
<thead>
<tr>
<th>WCA 1</th>
<th>WCA 2</th>
<th>WCA 3</th>
<th>SCU*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005 kg / 4420 lbs</td>
<td>2435 kg / 5368 lbs</td>
<td>2865 kg / 6316 lbs</td>
<td>262 kg / 577 lbs</td>
</tr>
</tbody>
</table>

### Weight with Biosafety Cabinet

<table>
<thead>
<tr>
<th>WCA 1</th>
<th>WCA 2</th>
<th>WCA 3</th>
<th>SCU*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2205 kg / 4861 lbs</td>
<td>2635 kg / 5809 lbs</td>
<td>3065 kg / 6757 lbs</td>
<td>262 kg / 577 lbs</td>
</tr>
</tbody>
</table>

*All Configurations come with a System Control Unit (SCU).

### Media Plate Specifications

- Diameter (bottom): 85–91 mm
- Diameter (lid): 89–93 mm
- Height (including lid): 13–16.2 mm

### Sample Container Specifications*

- Container Diameter: 10–50 mm
- Container Height: 60–125 mm
- Cap/Lid Diameter: 10–54 mm
- Cap/Lid Height: 11–30 mm

*Some exceptions apply. Please check with your BD representative for additional container compatibility information.

### Pneumatic Requirements

≥8 bar minimum, 600 L/min minimum, moisture and oil-free, ISO8573-1 Class IV

Note: Air compressors are not included in equipment configurations and need to be ordered separately.

### Biosafety Cabinet

Requires additional electric power
- 208–240 Vac
- 50–60 Hz 16A

### Noise Level

≤67 dBA

### ReadA Compact Incubation Specifications

- Incubation Atmosphere: O₂ or CO₂
- Temperature Range: 30°C–40°C ± 1°C
- Relative Humidity: 20%–80% non-condensing
- Operating Elevation: 0–2000 m

### Environmental Conditions

Installation Category II and Pollution Degree 2 as per IEC 664

### Environmental Requirements

- Clearance for Operator Service
  - Floor: 800 mm / 31.5 in around all sides
  - Height: minimal floor height 2780 mm / 109.5 in
- Temperature Requirements
  - 18°C–27°C / 64.4°F–80.6°F
- Relative Humidity
  - 20%–80% non-condensing
- Operating Elevation
  - 0–2000 m

### IT Requirements

2x 1GBps CAT 6 – preferably load balanced
Remote access through BD Assurity Link™
Access to ports 443; 8531; 10050; 10051

### LIS Interface

Bidirectional interface based on ASTM protocol

### Environmental Specifications

- Installation Category II and Pollution Degree 2 as per IEC 664

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