**KR 6 R900 EX**

**Technical data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum reach</td>
<td>901.5 mm</td>
</tr>
<tr>
<td>Maximum payload</td>
<td>6 kg</td>
</tr>
<tr>
<td>Pose repeatability (ISO 9283)</td>
<td>± 0.03 mm</td>
</tr>
<tr>
<td>Number of axes</td>
<td>6</td>
</tr>
<tr>
<td>Mounting position</td>
<td>Floor; Ceiling; Wall; Desired angle</td>
</tr>
<tr>
<td>Footprint</td>
<td>320 mm x 320 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 53 kg</td>
</tr>
</tbody>
</table>

**Axis data**

<table>
<thead>
<tr>
<th>Axis</th>
<th>Motion range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>±170 °</td>
</tr>
<tr>
<td>A2</td>
<td>-190 ° / 45 °</td>
</tr>
<tr>
<td>A3</td>
<td>-120 ° / 156 °</td>
</tr>
<tr>
<td>A4</td>
<td>±185 °</td>
</tr>
<tr>
<td>A5</td>
<td>±120 °</td>
</tr>
<tr>
<td>A6</td>
<td>±350 °</td>
</tr>
</tbody>
</table>

**Operating conditions**

Ambient temperature during operation: 5 °C to 45 °C (278 K to 318 K)

**Protection rating**

- Protection rating (IEC 60529): IP67
- Protection rating, robot wrist (IEC 60529): IP67

**Controller**

- Controller: KR C5 micro; KR C4 compact

**Cycle time**

150 cycles per minute (25 mm / 305 mm / 25 mm, 1 kg)

The KR 6 R900 EX is designed for a rated payload of 3 kg in order to optimize the dynamic performance of the robot. The maximum payload of 6 kg applies only if the position of the center of mass is 0 mm and a supplementary load optimized for the load case is mounted. The specific load case must be verified using KUKA.Load or KUKA Compose. For further consultation, please contact KUKA Support.

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