Yonos PARA RS **/6 RKC
Datasheet
Yonos PARA RS **/6 RKC

Field of application

**Heating**

<table>
<thead>
<tr>
<th>Yonos PARA RS 15/6 RKC 130 12</th>
<th>High Efficiency pump for heating application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Yonos PARA</strong></td>
<td><strong>RS</strong></td>
</tr>
<tr>
<td></td>
<td>Inline cast iron pump housing</td>
</tr>
<tr>
<td><strong>15</strong></td>
<td>Threaded connection DN 15 (25, 30: also available)</td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>$6 = \text{delivery head in [m] at } Q = 0 \text{ m}^3/\text{h}$</td>
</tr>
<tr>
<td><strong>RKC</strong></td>
<td>The pump is controlled by Red Knob technology</td>
</tr>
<tr>
<td></td>
<td>$RKC = \Delta P \cdot v$, constant speed I, II, III</td>
</tr>
<tr>
<td><strong>130</strong></td>
<td>Pump housing length 130 mm (180 mm: also available)</td>
</tr>
<tr>
<td><strong>12</strong></td>
<td>Control box orientation 12 o’clock (3, 6, 9 o’clock: also available)</td>
</tr>
</tbody>
</table>
Hydraulic operational area $\Delta p$-$v$ (variable)
Hydraulic operational area Constant speed I, II, III
Electrical connections

Integrated Molex 3-way connector

Overmoulded connector

Overmoulded power cables

Molex connector

Volex connector

WS8 connector
**Dimensions**

<table>
<thead>
<tr>
<th>Thread</th>
<th>Overall length (mm)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>l0</td>
<td>L1</td>
</tr>
<tr>
<td>G1&quot;</td>
<td>130</td>
<td>65</td>
</tr>
<tr>
<td>G1&quot;½</td>
<td>130</td>
<td>65</td>
</tr>
<tr>
<td>G1&quot;½</td>
<td>180</td>
<td>90</td>
</tr>
<tr>
<td>G2&quot;</td>
<td>180</td>
<td>90</td>
</tr>
</tbody>
</table>
### Approved fluids
(Other fluids on request)
- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

### Power
- Energy Efficiency Index (EEI): ≤ 0.20
- Max. delivery head: 6.2 m
- Max. volume flow: 3.3 m³/h

### Permitted field of application
- Temperature range for applications in HVAC systems at max. ambient temperature:
  - Of 58°C = 0 to 100°C
  - Of 62°C = 0 to 90°C
  - Of 66°C = 0 to 80°C
  - Of 71°C = 0 to 70°C
- Limit values for continuous operation at maximum rated power
- Maximum static pressure: PN 6

### Electrical connection
- Mains connection: 1~230 V +10%/-15%, 50/60 Hz (IEC 60038 standard voltage)

### Motor/electronics
- Low voltage directive: 2006/95/EC Conform
- Electromagnetic compatibility:
  - EN 61800-3
- Emitted interference:
  - EN 61000-6-3
  - EN 61000-6-4
- Interference resistance:
  - EN 61000-6-2
  - EN 61000-6-1
- Protection class: IPx4D
- Insulation class: F
- RoHS / REACH: Not submitted

### Minimum suction head at suction port to avoid cavitation at water pumping temperature
- Minimum suction head at 50/95°C: 0.5/4.5 m

### Motor data

<table>
<thead>
<tr>
<th>Yonos PARA</th>
<th>Speed (rpm)</th>
<th>Power consumption 1-230 V</th>
<th>Current at 1-230 V</th>
<th>Motor protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>P1</td>
<td>I</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>RS **/6 RKC</td>
<td>800 - 4300</td>
<td>3.45</td>
<td>0.03-0.44</td>
<td>Integrated</td>
</tr>
</tbody>
</table>

### Materials

<table>
<thead>
<tr>
<th>Yonos PARA</th>
<th>Pump housing</th>
<th>Impeller</th>
<th>Pump shaft</th>
<th>Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS **/6 RKC</td>
<td>Cast iron with cataphoresis treatment</td>
<td>PP composite with GF 40%</td>
<td>Stainless steel</td>
<td>Carbon, metal impregnated</td>
</tr>
</tbody>
</table>

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WILLO
HVAC OEM Competence Centre

50 av. Casella
18700 - Aubigny sur Nère
France
T +33 2 48 81 62 62
information@wilointec.com
www.wilo-oem.com