Acuaria 07S Submersible

Submersible monoblock centrifugal multistage pump for water supply

Applications
Pumping of clean water for domestic, industrial, agricultural and gardening purposes.
Suitable for open wells, ponds and tanks.

Materials
Pump body, suction, discharge, filter and impellers in AISI 304.
Pump shaft in AISI 431.
Diffusers in technopolymer.
Double mechanical seal in aluminium-graphite.
O-rings in NBR/EPDM.

Equipment
Check valve not included.
Model MA: float switch.
Model M: without float switch.
15m of cable without plug.
External capacitor.
Acuaria 07S 2 and 3 220V with internal capacitor.

Motor
Asynchronous 2 poles.
IP68 protection.
Class F insulation.
Built-in thermal protection.
Continuous operation.
Water cooled motor.

Limitations
Maximum water temperature: 40°C.
Maximum submersion: 12m.

Hydraulic performance table

<table>
<thead>
<tr>
<th>Model</th>
<th>I [A]</th>
<th>P1 [kW]</th>
<th>P2 [µF]</th>
<th>l/min</th>
<th>10</th>
<th>20</th>
<th>40</th>
<th>60</th>
<th>70</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 07S 2</td>
<td>6,8</td>
<td>3,7</td>
<td>0,75</td>
<td>0,37</td>
<td>0,5</td>
<td>30/12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acuaria 07 S 3</td>
<td>12</td>
<td>5,4</td>
<td>1,1</td>
<td>0,75</td>
<td>1</td>
<td>30/12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acuaria 07S 4</td>
<td>13,5</td>
<td>6,6</td>
<td>1,4</td>
<td>0,9</td>
<td>1,2</td>
<td>48/16</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Performance curve at 3450 rpm

Dimension and weight

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 07S 2</td>
<td>455</td>
<td>125</td>
<td>1&quot;</td>
<td>10</td>
</tr>
<tr>
<td>Acuaria 07S 3</td>
<td>479</td>
<td>125</td>
<td>1&quot;</td>
<td>11,5</td>
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<tr>
<td>Acuaria 07S 4</td>
<td>522</td>
<td>125</td>
<td>1&quot;</td>
<td>12,4</td>
</tr>
</tbody>
</table>
Acuaria 17 Submersible

Submersible monoblock centrifugal multistage pump for water supply

Applications
Pumping of clean water for domestic, industrial, agricultural and gardening purposes.
Suitable for open wells, ponds and tanks.

Materials
Pump body, suction, discharge, filter and impellers in AISI 304.
Pump shaft in AISI 431.
Diffusers in technopolymer.
Double mechanical seal in aluminium-graphite.
O-rings in NBR/EPDM.

Equipment
Check valve not included.
Model MA: float switch.
Model M: without float switch.
15m of cable without plug.
External capacitor.

Motor
Asynchronous 2 poles.
IP68 protection.
Class F insulation.
Built-in thermal protection.
Continuous operation.
Water cooled motor.

Limitations
Maximum water temperature: 40°C.
Maximum submersion: 12m.

Hydraulic performance table

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 17 3</td>
<td>7,7</td>
<td>1,6</td>
<td>0,9</td>
<td>1,2</td>
<td>16</td>
<td>59</td>
<td>58</td>
<td>55</td>
<td>45</td>
<td>25</td>
<td>1–220V</td>
<td>98300</td>
</tr>
<tr>
<td>Acuaria 17 4</td>
<td>10,2</td>
<td>2,2</td>
<td>1,1</td>
<td>1,5</td>
<td>25</td>
<td>75</td>
<td>72</td>
<td>67</td>
<td>55</td>
<td>30</td>
<td>96242</td>
<td>98302</td>
</tr>
<tr>
<td>Acuaria 17 5</td>
<td>13,6</td>
<td>2,8</td>
<td>1,5</td>
<td>2</td>
<td>30</td>
<td>96</td>
<td>93</td>
<td>83</td>
<td>68</td>
<td>38</td>
<td>96264</td>
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</table>

Performance curve at 3450 rpm

Dimension and weight

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 17 3</td>
<td>511</td>
<td>138</td>
<td>1&quot;</td>
<td>18,5</td>
</tr>
<tr>
<td>Acuaria 17 4</td>
<td>552</td>
<td>138</td>
<td>1&quot;</td>
<td>20,3</td>
</tr>
<tr>
<td>Acuaria 17 5</td>
<td>604</td>
<td>138</td>
<td>1&quot;</td>
<td>22,8</td>
</tr>
</tbody>
</table>
Acuaria 27 Submersible

Submersible monoblock centrifugal multistage pump for water supply

Applications
Pumping of clean water for domestic, industrial, agricultural and gardening purposes.
Suitable for open wells, ponds and tanks.

Materials
Pump body, suction, discharge, filter and impellers in AISI 304.
Pump shaft in AISI 431.
Diffusers in technopolymer.
Double mechanical seal in aluminium-graphite.
O-rings in NBR/EPDM.

Equipment
Check valve not included.
Model MA: float switch.
Model M/T: without float switch.
15m of cable without plug.
External capacitor.

Motor
Asynchronous 2 poles.
IP68 protection.
Class F insulation.
Single phase motor with built-in thermal protection.
Continuous operation.
Water cooled motor.

Limitations
Maximum water temperature: 40°C.
Maximum submersion: 12m.

Hydraulic performance table

<table>
<thead>
<tr>
<th>Model</th>
<th>I</th>
<th>1~ 220V</th>
<th>3~ 220V</th>
<th>P1 [kW]</th>
<th>P2 [µF]</th>
<th>40</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 27 3</td>
<td>8.7</td>
<td>5.1</td>
<td>1.8</td>
<td>1.8</td>
<td>1.1</td>
<td>1.5</td>
<td>25</td>
<td>49</td>
<td>45</td>
<td>45</td>
<td>33</td>
</tr>
<tr>
<td>Acuaria 27 4</td>
<td>13</td>
<td>7</td>
<td>2.6</td>
<td>2.6</td>
<td>1.5</td>
<td>2</td>
<td>30</td>
<td>65</td>
<td>60</td>
<td>53</td>
<td>45</td>
</tr>
</tbody>
</table>

Performance curve at 3450 rpm

Dimension and weight

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 27 3</td>
<td>548</td>
<td>138</td>
<td>1&quot;</td>
<td>20.2</td>
</tr>
<tr>
<td>Acuaria 27 4</td>
<td>604</td>
<td>138</td>
<td>1&quot;</td>
<td>22.9</td>
</tr>
</tbody>
</table>
**Acuaria 37 Submersible**

**Submersible monoblock centrifugal multistage pump for water supply**

**Applications**
Pumping of clean water for domestic, industrial, agricultural and gardening purposes. Suitable for open wells, ponds and tanks.

**Materials**
Pump body, filter and impellers in AISI 304.
Suction and discharge in cast iron.
Pump shaft in AISI 431.
Diffusers in technopolymer.
Double mechanical seal in aluminium-graphite.
O-rings in NBR/EPDM.

**Equipment**
Check valve not included.
15m of cable without plug.

**Motor**
Asynchronous 2 poles.
IP68 protection.
Class F insulation.
Continuous operation.
Water cooled motor.

**Limitations**
Maximum water temperature: 40°C.
Maximum submersion: 12m.

---

**Hydraulic performance table**

<table>
<thead>
<tr>
<th>Model</th>
<th>Model A</th>
<th>Model B</th>
<th>Model C</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>I [A]</td>
<td>P1 [kW]</td>
<td>P2 [l/min]</td>
<td>25</td>
</tr>
<tr>
<td>Acuaria 37</td>
<td>3~220V</td>
<td>3~220V</td>
<td>3~220V</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>3,3</td>
<td>2,2</td>
<td>1,5</td>
</tr>
</tbody>
</table>

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**Performance curve at 3450 rpm**

---

**Dimension and weight**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 37</td>
<td>609</td>
<td>152</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>
Acuaria 57 Submersible

Submersible monoblock centrifugal multistage pump for water supply

Applications
Pumping of clean water for domestic, industrial, agricultural and gardening purposes.
Suitable for open wells, ponds and tanks.

Materials
Pump body, filter and impellers in AISI 304.
Suction and discharge in cast iron.
Pump shaft in AISI 431.
Diffusers in technopolymer.
Double mechanical seal in aluminium-graphite.
O-rings in NBR/EPDM.

Equipment
Check valve not included.
15m of cable without plug.

Motor
Asynchronous 2 poles.
IP68 protection.
Class F insulation.
Continuous operation.
Water cooled motor.

Limitations
Maximum water temperature: 40°C.
Maximum submersion: 12m.

Hydraulic performance table

<table>
<thead>
<tr>
<th>Model</th>
<th>I [A]</th>
<th>P1 [kW]</th>
<th>P2 [HP]</th>
<th>Q [m³/h]</th>
<th>3~220V</th>
<th>3~440V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 57 3</td>
<td>11.2</td>
<td>6.4</td>
<td>3</td>
<td>11.2</td>
<td>152</td>
<td>176919</td>
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</table>

Performance curve at 3450 rpm

Dimension and weight

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C [m]</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 57 3</td>
<td>667</td>
<td>152</td>
<td>1”</td>
<td>29</td>
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</tbody>
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