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.
Cable, plug and capacitor: see table.

Hydraulic performance table

<table>
<thead>
<tr>
<th>Model</th>
<th>Code with internal capacitor and 15m of cable with plug type F.</th>
<th>Code CCE with external capacitor with capacitor box and 15m of cable with plug type F.</th>
<th>Code CEXT with external capacitor without capacitor box and 15m of cable without plug.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 07S 3</td>
<td>209123 (Model M)</td>
<td>209401 (Model MA CCE)</td>
<td>209133</td>
<td>209127</td>
</tr>
<tr>
<td>Acuaria 07S 4</td>
<td>209122 (Model M)</td>
<td>209402 (Model MA CCE)</td>
<td>209135</td>
<td>209126</td>
</tr>
<tr>
<td>Acuaria 07S 5</td>
<td>209124 (Model M)</td>
<td>209403 (Model MA CCE)</td>
<td>209136</td>
<td>209128</td>
</tr>
<tr>
<td>Acuaria 07S 6</td>
<td>209125 (Model M)</td>
<td>209404 (Model MA CCE)</td>
<td>209137</td>
<td>209129</td>
</tr>
<tr>
<td>Acuaria 07S 7</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>209340</td>
</tr>
</tbody>
</table>

Performance curve at 2900 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 3</td>
<td>479</td>
<td>125</td>
<td>1&quot;</td>
<td>10</td>
</tr>
<tr>
<td>Acuaria 07S 4</td>
<td>502</td>
<td>125</td>
<td>1&quot;</td>
<td>10,6</td>
</tr>
<tr>
<td>Acuaria 07S 5</td>
<td>526</td>
<td>125</td>
<td>1&quot;</td>
<td>11,5</td>
</tr>
<tr>
<td>Acuaria 07S 6</td>
<td>569</td>
<td>125</td>
<td>1&quot;</td>
<td>12,6</td>
</tr>
<tr>
<td>Acuaria 07S 7</td>
<td>593</td>
<td>125</td>
<td>1&quot;</td>
<td>12,6</td>
</tr>
</tbody>
</table>

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

Limitations
Maximum water temperature: 40°C.
Maximum submersion: 12m.
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/T: without float switch.
15m of cable without plug.
External capacitor.

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

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

---

**Hydraulic performance table**

<table>
<thead>
<tr>
<th>Model</th>
<th>1 (A)</th>
<th>P1 [kW]</th>
<th>P2 [kW]</th>
<th>c [µF]</th>
<th>l/min 10</th>
<th>l/min 20</th>
<th>l/min 30</th>
<th>l/min 40</th>
<th>l/min 50</th>
<th>l/min 60</th>
<th>l/min 80</th>
<th>l/min 85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 17 5</td>
<td>7.8</td>
<td>2.6</td>
<td>1.5</td>
<td>0.9</td>
<td>1.2</td>
<td>2.4</td>
<td>3.0</td>
<td>3.6</td>
<td>4.8</td>
<td>5.2</td>
<td>1-230V (Model M)</td>
<td>1-230V (Model MA)</td>
</tr>
<tr>
<td>Acuaria 17 7</td>
<td>10.7</td>
<td>4.8</td>
<td>2.2</td>
<td>1.5</td>
<td>2</td>
<td>25</td>
<td>94</td>
<td>90</td>
<td>85</td>
<td>78</td>
<td>69</td>
<td>58</td>
</tr>
</tbody>
</table>

Performance curve at 2900 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 5</td>
<td>754</td>
<td>138</td>
<td>1”</td>
<td>19.8</td>
</tr>
<tr>
<td>Acuaria 17 7</td>
<td>646</td>
<td>138</td>
<td>1”</td>
<td>24</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

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.
Continuous operation.
Water cooled motor.
Single phase motor with built-in thermal protection.

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

Hydraulic performance table

<table>
<thead>
<tr>
<th>Model</th>
<th>1~230V</th>
<th>3~400V</th>
<th>P1 [kW]</th>
<th>P2</th>
<th>c [µF]</th>
<th>l/min</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 27 4</td>
<td>7</td>
<td>2,5</td>
<td>1,5</td>
<td>1,4</td>
<td>0,9</td>
<td>1,2</td>
<td>16</td>
<td>0</td>
<td>43</td>
<td>42</td>
<td>41</td>
<td>39</td>
<td>38</td>
<td>31</td>
<td>23</td>
</tr>
<tr>
<td>Acuaria 27 6</td>
<td>10,8</td>
<td>3,8</td>
<td>2,2</td>
<td>2,1</td>
<td>1,5</td>
<td>2</td>
<td>25</td>
<td>68</td>
<td>66</td>
<td>64</td>
<td>61</td>
<td>57</td>
<td>47</td>
<td>36</td>
<td>24</td>
</tr>
</tbody>
</table>

Performance curve at 2900 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 4</td>
<td>552</td>
<td>138</td>
<td>1”</td>
<td>20</td>
</tr>
<tr>
<td>Acuaria 27 6</td>
<td>655</td>
<td>138</td>
<td>1”</td>
<td>24</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.
External capacitor.

Hydraulic performance table

<table>
<thead>
<tr>
<th>Model</th>
<th>1 [A]</th>
<th>P1 [kW]</th>
<th>P2 [kW]</th>
<th>c [µF]</th>
<th>Q [m³/h]</th>
<th>H1 12</th>
<th>H2 40</th>
<th>H3 60</th>
<th>H4 100</th>
<th>H5 120</th>
<th>H6 140</th>
<th>H7 160</th>
<th>Code 1-230V</th>
<th>Code 3-400V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 37 4</td>
<td>9,2</td>
<td>3,3</td>
<td>2</td>
<td>1,9</td>
<td>1,1</td>
<td>1,5</td>
<td>30</td>
<td>56</td>
<td>53</td>
<td>51</td>
<td>41</td>
<td>35</td>
<td>29</td>
<td>22</td>
</tr>
<tr>
<td>Acuaria 37 6</td>
<td>-</td>
<td>5,3</td>
<td>-</td>
<td>3</td>
<td>2,2</td>
<td>2,3</td>
<td>-</td>
<td>85</td>
<td>81</td>
<td>77</td>
<td>65</td>
<td>56</td>
<td>46</td>
<td>37</td>
</tr>
</tbody>
</table>

Performance curve at 2900 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 4</td>
<td>623</td>
<td>152</td>
<td>1,15</td>
<td>27,6</td>
</tr>
<tr>
<td>Acuaria 37 6</td>
<td>672</td>
<td>152</td>
<td>1,15</td>
<td>30,6</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</th>
<th>l/min</th>
<th>50</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>300</th>
<th>350</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuaria 57 4</td>
<td>5,4</td>
<td>3</td>
<td>2,2</td>
<td>3</td>
<td>mwc</td>
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<td>48</td>
<td>42</td>
<td>38</td>
<td>32</td>
<td>23</td>
<td>12</td>
</tr>
</tbody>
</table>

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 57 4</td>
<td>684</td>
<td>152</td>
<td>1</td>
<td>30,6</td>
</tr>
</tbody>
</table>