Neptun fl60 Submersible

Submersible monoblock centrifugal multistage 4” pump for water supply

Applications
Pumping of clean water for domestic, industrial, agricultural and gardening purposes.
Suitable for boreholes.

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

Equipment
Check valve not included.
1m of cable without plug.
External capacitor.

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

Limitations
Maximum water temperature: 40°C.
Maximum quantity of sand in suspension: 100 g/m³.
Maximum submersion: 75m.

Hydraulic performance table

<table>
<thead>
<tr>
<th>Model</th>
<th>I [A]</th>
<th>P1 [kW]</th>
<th>P2 [HP]</th>
<th>c [µF]</th>
<th>l/min</th>
<th>5</th>
<th>10</th>
<th>20</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neptun fl60 35</td>
<td>3,6</td>
<td>0,8</td>
<td>0,75</td>
<td>1</td>
<td>16</td>
<td>39</td>
<td>38</td>
<td>36</td>
<td>31</td>
<td>27</td>
<td>19</td>
<td>11</td>
<td>97045</td>
</tr>
<tr>
<td>Neptun fl60 45</td>
<td>5</td>
<td>1,2</td>
<td>1,1</td>
<td>1</td>
<td>25</td>
<td>61</td>
<td>60</td>
<td>56</td>
<td>45</td>
<td>36</td>
<td>25</td>
<td>15</td>
<td>97048</td>
</tr>
<tr>
<td>Neptun fl60 65</td>
<td>6,5</td>
<td>1,5</td>
<td>0,9</td>
<td>1,2</td>
<td>25</td>
<td>92</td>
<td>90</td>
<td>83</td>
<td>69</td>
<td>53</td>
<td>37</td>
<td>20</td>
<td>97051</td>
</tr>
<tr>
<td>Neptun fl60 75</td>
<td>8,3</td>
<td>1,8</td>
<td>0,9</td>
<td>1,2</td>
<td>25</td>
<td>110</td>
<td>105</td>
<td>97</td>
<td>73</td>
<td>58</td>
<td>41</td>
<td>21</td>
<td>97054</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>Neptun fl60 35</td>
<td>589</td>
<td>98</td>
<td>1&quot;</td>
<td>12,2</td>
</tr>
<tr>
<td>Neptun fl60 45</td>
<td>681</td>
<td>98</td>
<td>1&quot;</td>
<td>13,8</td>
</tr>
<tr>
<td>Neptun fl60 65</td>
<td>771</td>
<td>98</td>
<td>1&quot;</td>
<td>15</td>
</tr>
<tr>
<td>Neptun fl60 75</td>
<td>823</td>
<td>98</td>
<td>1&quot;</td>
<td>16</td>
</tr>
</tbody>
</table>
Neptun fl100 Submersible

Submersible monoblock centrifugal multistage 4” pump for water supply

Applications
Pumping of clean water for domestic, industrial, agricultural and gardening purposes.
Suitable for boreholes.

Materials
Pump body, suction, discharge, filter and pump shaft in AISI 304.
Diffusers and floating impellers in technopolymer.
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O-rings in NBR/EPDM.

Equipment
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1m of cable without plug.
External capacitor.

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

Limitations
Maximum water temperature: 40°C.
Maximum quantity of sand in suspension: 100 g/m³.
Maximum submersion: 75m.

Hydraulic performance table

<table>
<thead>
<tr>
<th>Model</th>
<th>1 [A]</th>
<th>P1 [kW]</th>
<th>P2 [µF]</th>
<th>l/min</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1~230V</td>
<td></td>
<td>1~</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neptun fl100 60</td>
<td>4,9</td>
<td>1,1</td>
<td>0,8</td>
<td>1,1</td>
<td>25</td>
</tr>
<tr>
<td>Neptun fl100 90</td>
<td>7,8</td>
<td>1,7</td>
<td>0,9</td>
<td>1,2</td>
<td>25</td>
</tr>
</tbody>
</table>

Performance curve at 2900 rpm

<table>
<thead>
<tr>
<th>Q [m³/h]</th>
<th>0</th>
<th>0.5</th>
<th>1.5</th>
<th>2.5</th>
<th>3.5</th>
<th>4.5</th>
<th>5.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>H [m]</td>
<td>0</td>
<td>50</td>
<td>250</td>
<td>400</td>
<td>450</td>
<td>500</td>
<td>600</td>
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</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>Neptun fl100 60</td>
<td>751</td>
<td>98</td>
<td>1&quot;</td>
<td>14,5</td>
</tr>
<tr>
<td>Neptun fl100 90</td>
<td>879</td>
<td>98</td>
<td>1&quot;</td>
<td>17</td>
</tr>
</tbody>
</table>
Neptun fl120 Submersible

Submersible monoblock centrifugal multistage 4" pump for water supply

Applications
Pumping of clean water for domestic, industrial, agricultural and gardening purposes.
Suitable for boreholes.

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

Equipment
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1m of cable without plug.
External capacitor.

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

Limitations
Maximum water temperature: 40°C.
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Maximum submersion: 75m.

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</th>
<th>10</th>
<th>30</th>
<th>50</th>
<th>70</th>
<th>90</th>
<th>120</th>
<th>140</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neptun fl120 60</td>
<td>0,5</td>
<td>1,9</td>
<td>0,9</td>
<td>1,2</td>
<td>25</td>
<td>0,6</td>
<td>1,8</td>
<td>3,0</td>
<td>4,2</td>
<td>5,4</td>
<td>7,2</td>
<td>8,4</td>
<td>1–230V</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>Neptun fl120 60</td>
<td>860</td>
<td>98</td>
<td>1&quot;,</td>
<td>16</td>
</tr>
</tbody>
</table>