Drain 100  Drainage

Submersible pump for waste water

Applications
Evacuation, transfer and emptying of waste water.

Materials
Pump body in AISI 304.
Pump shaft in AISI 420.
Impeller in technopolymer.
Suction and discharge in cast iron.
Double mechanical seal in aluminium-graphite.
O-rings in NBR/EPDM.

Equipment
Float switch and 10m of cable with plug type F.
External capacitor with capacitor box included.

Hydraulic performance table

<table>
<thead>
<tr>
<th>Model</th>
<th>I [A]</th>
<th>P1 [kW]</th>
<th>P2 [kW]</th>
<th>c [µF]</th>
<th>l/min</th>
<th>25</th>
<th>50</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>300</th>
<th>320</th>
</tr>
</thead>
<tbody>
<tr>
<td>1~230V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drain 100</td>
<td>3,1</td>
<td>0,9</td>
<td>0,75</td>
<td>1</td>
<td>12</td>
<td>m3/h</td>
<td>1,5</td>
<td>3,0</td>
<td>6,0</td>
<td>9,0</td>
<td>12</td>
<td>15</td>
<td>18</td>
</tr>
</tbody>
</table>

Dimension and weight

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drain 100</td>
<td>122</td>
<td>392</td>
<td>380</td>
<td>1 1/4”</td>
<td>10,5</td>
</tr>
</tbody>
</table>

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

Limitations
Maximum water temperature: 40°C.
Maximum solids passage: Ø 7mm.
Maximum submersion: 7m.

Performance curve at 2900 rpm
Drainex 100 Drainage

Submersible pump for waste water with solids in suspension, vortex system

**Applications**
Evacuation, transfer and emptying of waste water with solids in suspension.

**Materials**
Pump body in AISI 304.
Pump shaft in AISI 420.
Suction and discharge in cast iron.
Impeller in brass.
Double mechanical seal in aluminium-graphite.
O-rings in NBR/EPDM.

**Equipment**
Float switch and 10m of cable with plug type F.
External capacitor with capacitor box included.

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

**Limitations**
Maximum water temperature: 40°C.
Maximum solids passage: Ø 35mm.
Maximum submersion: 7m.

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**Hydraulic performance table**

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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Drainex 100</td>
<td>3,4</td>
<td>0,9</td>
<td>0,75</td>
<td>1</td>
<td>12</td>
<td>1,5</td>
<td>3,0</td>
<td>6,0</td>
<td>7,5</td>
<td>9,0</td>
<td>12</td>
<td>15</td>
<td>16,8</td>
<td>1~230V</td>
<td></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>D</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drainex 100</td>
<td>138</td>
<td>407</td>
<td>300</td>
<td>1 1/4&quot;</td>
<td>11</td>
</tr>
</tbody>
</table>