**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 without plug.
External capacitor.

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

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

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**Hydraulic performance table**

<table>
<thead>
<tr>
<th>Model</th>
<th>I [A]</th>
<th>P1 [kW]</th>
<th>P2 [µF]</th>
<th>c [µF]</th>
<th>l/min 50</th>
<th>l/min 100</th>
<th>l/min 150</th>
<th>l/min 200</th>
<th>l/min 300</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drain 100</td>
<td>6.7</td>
<td>3.2</td>
<td>0.8</td>
<td>0.75</td>
<td>1</td>
<td>30/12</td>
<td>9.8</td>
<td>9.1</td>
<td>8.3</td>
<td>7.1</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>D</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drain 100</td>
<td>122</td>
<td>392</td>
<td>300</td>
<td>1.5</td>
<td>10.5</td>
</tr>
</tbody>
</table>
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 aluminimum-graphite. 
O-rings in NBR/EPDM.

Equipment
Float switch and 10m of cable without plug. 
External capacitor.

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

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

Hydraulic performance table

<table>
<thead>
<tr>
<th></th>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Drainex 100</td>
<td>8,5</td>
<td>3,6</td>
<td>0,85</td>
<td>0,75</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30/12</td>
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</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>D</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drainex 100</td>
<td>138</td>
<td>467</td>
<td>300</td>
<td>1 ⅛”</td>
<td>11</td>
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