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

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

**Materials**
Pump and impeller in cast iron.
Grinder blade in steel.
Pump shaft in AISI 420.
Mechanical seal in aluminium-graphite.
O-rings in NBR/EPDM.

**Equipment**
90° elbow included.
Model MA: float switch.
Model M/T: without float switch.
10m of cable without plug.
External capacitor with capacitor box included.

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

**Limitations**
Maximum water temperature: 40° C.
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 [kW]</th>
<th>c [µF]</th>
<th>I/min</th>
<th>3</th>
<th>6</th>
<th>9</th>
<th>12</th>
<th>15</th>
<th>1~220V</th>
<th>3~220V</th>
<th>3~440V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Draincor 180</td>
<td>8</td>
<td>4,7</td>
<td>2,7</td>
<td>1,7</td>
<td>1,6</td>
<td>1,1</td>
<td>1,5</td>
<td>16+40</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Draincor 200</td>
<td>8,9</td>
<td>5,4</td>
<td>3,1</td>
<td>1,9</td>
<td>1,8</td>
<td>1,3</td>
<td>1,7</td>
<td>25+50</td>
<td></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>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Draincor 180</td>
<td>115</td>
<td>125</td>
<td>383</td>
<td>415</td>
<td>119</td>
<td>196</td>
<td>92</td>
<td>110</td>
<td>110</td>
<td>25</td>
</tr>
<tr>
<td>Draincor 200</td>
<td>115</td>
<td>125</td>
<td>383</td>
<td>415</td>
<td>119</td>
<td>196</td>
<td>92</td>
<td>110</td>
<td>110</td>
<td>25</td>
</tr>
</tbody>
</table>
Draincor Drainage

Dimension portable version

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>437</td>
<td>338</td>
<td>110</td>
<td>219</td>
<td>62</td>
<td>95</td>
<td>49</td>
<td>98</td>
<td>98</td>
<td>134</td>
<td>110</td>
<td>55</td>
<td>55</td>
</tr>
</tbody>
</table>

Dimension stationary version

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>388</td>
<td>353</td>
<td>110</td>
<td>168</td>
<td>60</td>
<td>112</td>
<td>60</td>
<td>52</td>
<td>8</td>
<td>12</td>
<td>51</td>
<td>Ø10</td>
<td>24</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>N</th>
<th>O</th>
<th>P</th>
<th>Q</th>
<th>R</th>
<th>S</th>
<th>T</th>
<th>U</th>
<th>V</th>
<th>W</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>209</td>
<td>Ø25</td>
<td>85</td>
<td>Ø10</td>
<td>98</td>
<td>98</td>
<td>120</td>
<td>94</td>
<td>12</td>
<td>40</td>
<td>13</td>
<td>32</td>
<td>60</td>
</tr>
</tbody>
</table>
Accessories Drainex and Draincor Drainage

Installation kit for Drainex 200/300/400/500/600 and Draincor 180/200

Stationary version for Drainex 200 and Draincor 180/200

- Support base for automatic anchoring
- Clamping flange
- Upper anchoring on guide tube

Kit | Code
---|---
DR1 | 100527

Stationary version for Drainex 300

- Support base for automatic anchoring
- Clamping flange
- Upper anchoring on guide tube

Kit | Code
---|---
DR2 | 100528

Stationary version for Drainex 400/500

- DN65 (flange 65)
- DIN 2501 PN16
- ANSI 150 2"
- Support base with elbow for automatic anchoring
- Clamping flange
- Upper anchoring on double guide tube

Kit | Code
---|---
DR3.2 | 207381

Portable version for Drainex 400/500

- 90° elbow at 2"
- Stainless steel feet

Kit | Code
---|---
DR6 | 132139
DR6 NPT | 154472

Stationary version for Drainex 600

- DN65 (flange 65)
- DIN 2501 PN16
- ANSI 150 21/2"
- Support base with elbow for automatic anchoring
- Clamping flange
- Upper anchoring on double guide tube

Kit | Code
---|---
DR4.2 | 207379

Portable version for Drainex 600

- 90° elbow at 2 1/2"
- Stainless steel feet

Kit | Code
---|---
DR7 | 132140
DR7 NPT | 154473