The UNILIFT AP 12 is a single-stage, submersible pump with semi-open impeller, designed for pumping drainage water containing particles up to a size of up to 12 mm. UNILIFT AP12 is for automatic as well as manual operation and can be used in a permanent installation or as a portable pump. The pump is easily installed as it’s fitted with a carry handle and 10 m mains cable. UNILIFT AP12 is mostly made of stainless steel, with a stainless steel sleeve for cooling during operation. The stainless steel pump sleeve is made in one piece with a clipped on suction strainer for easy removal in case of maintenance.

**Features**

**Robust design**
The materials of the pump ensure excellent corrosion resistance. The pump housing and impeller are made of high quality stainless steel. Furthermore, the mechanical shaft seal offers high-wear resistance and a long operating life.

**Thermal overload protection**
The single-phase version is effectively protected against any accidental overload by built-in thermal protection. This means that no additional motor protection is required.

**Handy and easily transportable**
The carry handle mounted on the pump housing makes it handy and easily transportable.

**Option for automatic operation**
The pumps are available with float switches for automatic on/off operation.

**Applications**

- Domestic wastewater
UNILIFT AP 12

Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>Cable length (m)</th>
<th>Power - P2 (kW)</th>
<th>Connection size</th>
<th>Dimensions (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unilift AP12.40.04</td>
<td>10</td>
<td>0.4</td>
<td>1½&quot; F</td>
<td>321</td>
<td>11</td>
</tr>
<tr>
<td>Unilift AP12.40.06</td>
<td>10</td>
<td>0.6</td>
<td>1½&quot; F</td>
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<td>11</td>
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<td>12.6</td>
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<td>Unilift AP12.50.11</td>
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<td>2&quot; F</td>
<td>357</td>
<td>15.1</td>
</tr>
</tbody>
</table>

Dimensions

Operating Conditions

Liquid temperature
0 °C to 55 °C

Max. particle size
Ø12 mm

pH concentration
4 to 10

Max. installation depth
10 m

Technical Data

Mains voltage
1 x 240 V, 50 Hz
3 x 415 V, 50 Hz

Enclosure class
IP68

Insulation class
F

Cable type
H07RN-F

Approvals and markings
VDE, LGE, UL and CSA
**Features**

**Robust design**
The materials of the pump ensure excellent corrosion resistance. The pump housing and impeller are made of high quality stainless steel. Furthermore, the mechanical shaft seal offers high-wear resistance and a long operating life.

**Thermal overload protection**
The single-phase version is effectively protected against any accidental overload, by built-in thermal protection. This means that no additional motor protection is required.

**Handy and easily transportable**
The carry handle mounted on the pump housing makes it handy and easily transportable.

**Option for automatic operation**
The pumps are available with float switches for automatic on/off operation.

**Operating Conditions**

**Liquid temperature**
0 °C to 55 °C

**Max. particle size**
AP 35 - Ø35 mm
AP 50 - Ø50 mm

**pH concentration**
4 to 10

**Max. installation depth**
10 m

**Technical Data**

**Mains voltage**
1 x 240 V, 50 Hz

**Enclosure class**
IP68

**Insulation class**
F

**Cable type**
H07RN-F

**Approvals and markings**
VDE, LGE, UL and CSA
## UNILIFT AP 35 & 50

### Performance

![Graph showing performance](image1)

### Dimensions

![Dimensions diagram](image2)

### Table: Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Cable length (m)</th>
<th>Power - P2 (kW)</th>
<th>Connection size</th>
<th>Dimensions (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>1½&quot; F</td>
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<td>1½&quot; F</td>
<td>A: 410, B: 216</td>
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<td>2&quot; F</td>
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<td>Unilift AP50.50.11</td>
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<td>1.1</td>
<td>2&quot; F</td>
<td>A: 436, B: 241</td>
<td>15.1</td>
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</tbody>
</table>
UNILIFT AP Basic pumps are single-stage pumps with a vortex impeller. The pumps are designed for pumping dirty water, untreated wastewater containing particles up to a size of Ø50 mm, depending on the pump size. All UNILIFT AP Basic pumps are made of stainless steel with a composite baseplate. The UNILIFT AP Basic range is designed for submerged operation, either free-standing or on the base plate. In addition the pumps are suitable for installations on auto couplings, which allows easy access to the pump for maintenance and other purposes. All UNILIFT AP Basic pumps can be supplied with or without float switch, for automatic or manual operation.

Features

Robust design
The materials of the pump ensure excellent corrosion resistance. The pump housing and impeller are made of high quality stainless steel. Furthermore, the mechanical shaft seal offers high-wear resistance and a long operating life.

Thermal overload protection
The single-phase version is effectively protected against any accidental overload by built-in thermal protection. This means that no additional motor protection is required.

Option for automatic operation
The pumps are available with float switches for automatic on/off operation.

Auto coupling
UNILIFT AP Basic pumps are suitable for installation on an auto coupling at the bottom of a collecting tank with guide rails going to the top. A guide rail system is available from Grundfos as an accessory.

Operating Conditions

Liquid temperature
0 °C to 40 °C

Max. particle size
AP35 - 35 mm and AP50 - 50 mm particle size

pH concentration
4 to 10

Max. installation depth
7 m

Technical Data

Mains voltage
1 x 240 V, 50 Hz
3 x 415 V, 50 Hz

Enclosure class
IP68

Insulation class
F

Cable type
H07RN-F

Approvals and markings
VDE, LGE, UL and CSA
### Dimensions

![Dimensions Diagram](image)

### Performance

#### AP35B

![Graph AP35B](image)

#### AP50B

![Graph AP50B](image)

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Cable length (m)</th>
<th>Power (kW)</th>
<th>Connection size</th>
<th>Dimensions (mm)</th>
<th>Weight (kg)</th>
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<td>Unifilt AP35B.50.08-A1V</td>
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<td>A: 468, B: 73, C: 116</td>
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<td>Unifilt AP50B.50.08-A1V</td>
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<td>Unifilt AP50B.50.11.3V</td>
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