Complete submersible dewatering solutions
The WEDA range (60 Hz) US market
WEDA submersible pumps

WEDA electric submersible pumps and accessories are designed for an extensive range of dewatering applications, across multiple industries. They provide the performance, reliability and ease of use you need. WEDA pumps feature a built-in starter and motor protection system or a terminal board connection to connect to an external control box along with optional automatic level control. Adjustable wear-resistant rubber diffusors and hardened high-chrome impellers ensure durability in tough environments.

At Atlas Copco, we understand pumps, their applications and, most importantly, the people using them. We have a complete range of high-quality and lightweight electric submersible pumps designed specifically for drainage, sludge and slurry pumping applications and available in global voltages.

WEDA pumps are made for durability. The unique sealing system and modular design make them among the most flexible pumps on the market. Easy to use and maintain, WEDA pumps promise optimal performance. The WEDA seal system is designed to provide the optimum maintenance solution and can be easily fitted at the job site.
There is a WEDA pump for any dewatering application

We understand the dewatering needs of our customers, which vary with location and application. Accordingly our submersible range is developed for drainage (D), sludge (S) and slurry (L) applications. These applications call for pumps designed specifically for handling corrosive and abrasive media and their solid contents.

- Drainage pumps (WEDA D)
- Sludge pumps (WEDA S)
- Slurry pumps (WEDA L)

- General dewatering
- Ground water
- Raw water
- Construction sites

- Water containing mud
- Sludge or light slurry
- Tank clean-out
- Trench and pond cleaning
- Mining

- Abrasive media with high solids content
- Quarries
- Dredging
- Settling ponds

9.18 lb/gal
11.68 lb/gal
14.18 lb/gal

Water density up to 9.18 lb/gal
Water density up to 11.68 lb/gal
Water density up to 14.18 lb/gal

Design top discharge
Design bottom side discharge
Design bottom side and top discharge

Solids handling up to 0.5 inch
Solids handling up to 2 inch
Solids handling up to 2.5 inch

pH values from 5 to 8
pH values from 5 to 8
pH values from 2 to 10
Drainage pumps
WEDA D

The WEDA drainage pumps handle either clean or dirty water, even with small solids with the best performance and efficiency.

**FLEXIBILITY**
Discharges can be mounted vertically or sideways as required

**MOTOR PROTECTION**
Class F motors, with thermal switches in each winding

**EXTENDED PERFORMANCE**
Pump design ensures all-round motor cooling for better performance

**IMPROVED CABLE SEALING**
Ensures protection against water leakage from cable entry

**HIGH CORROSION RESISTANCE**
Unique aluminum alloy offers the perfect combination of strength, light weight and corrosion resistance

**MODULAR SEALING SOLUTION**
Based on pump size, the sealing system is adapted to provide the best solution

**IMPROVED WEAR RESISTANCE**
High-chrome (55HRC) impellers provide higher wear resistance

**560 HB**

**WEDA+**
1. Rotation control
2. Phase failure protection
3. Thermal switches
4. Phase shifter plugs for three-phase pumps

* or with terminal board motor connection.

www.atlascopco.com/weda
The WEDA sludge pumps can handle thick, soft, wet mud or other similarly viscous mixtures of liquids and solids, especially the product of an industrial or refining process.

**IMPROVED CABLE SEALING**
Ensures protection against water leakage from cable entry

**DRY RUNNING CAPABILITIES**
Improved rib design offers external cooling to motor for extended running time

**MOTOR PROTECTION**
Class F motors, with thermal switches in each winding

**HIGHER SOLIDS HANDLING**
Sludge pumps can handle solids up to 2 inch

**ROBUST DESIGN**
Base of the pump ensures stability while enabling passage of large solids

**SUSTAINABLE PERFORMANCE**
High-chrome (55HRC) impellers provide higher wear resistance

**WDENA+** *
1. Rotation control
2. Phase failure protection
3. Thermal switches
4. Phase shifter plugs for three-phase pumps
   * or with terminal board motor connection.

**MODULAR SEALING SOLUTION**
Based on pump size, the sealing system is adapted to provide the best solution

**EASY INSPECTION**
External oil inspection plug for quick inspection of oil

**560 HB**

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Slurry pumps
WEDA L

The WEDA slurry pumps are the toughest, and have the largest apertures to facilitate handling of slurry with the most challenging solids.

- **ROBUST DESIGN**
  Heavy duty bearings to withstand shocks and overloads

- **HIGH ABRASION RESISTANCE**
  Thanks to the high-chrome wear parts

- **EASY ACCESS**
  Efficient motor cooling with top discharge and side flow

- **HIGHER SOLIDS HANDLING**
  Slurry pumps can handle solids up to 2.5 in

- **EFFICIENT MOTOR**
  Electric motor insulation class H with PTC and Cliscon thermal protection and service factor S1

- **REINFORCED SEALING**
  A double silicon carbide mechanical seal for duty application

- **SUSTAINABLE PERFORMANCE**
  High efficiency high chrome agitator to lift settled solids

www.atlascopco.com/weda
We have all the accessories you need for your WEDA pump

**Control panel**
For easy control of pumps, different options available.

**Slim Adapter**
For lowering pumps in narrow pipes and manholes D50H, D60H, D70H, D90H only

**Level regulators**
For easy control of water level by automatic pump switch-on/-off:
- Float switch

**Low suction collar**
To easily drain the water level down to the floor.

**Discharge connections**
It can be mounted in either a vertical or horizontal position.

**Raft**
For easy floatation of pump with fluctuating water levels. Strainer option available

**Zinc anodes**
Specifically required for pumping water with a high concentration of salts such as sea water, brine, etc.

**Epoxy coating**
For protecting pumps in highly acidic media.

**Service kits**

**Seal kit**
The seal kit is the proper selection of high quality components for a mechanical seal change to ensure trouble-free operation after servicing.
- O-ring kit
- Mechanical shaft seal

**Instant service pack**
The instant service pack is a preassembled, tested and ready-to-use seal system containing the mechanical shaft seals, bearings, gaskets and oil to ensure trouble-free operation. It offers a quick onsite repair option due to ease of installation and therefore reduces the machine downtime cost.

**Wear part kit**
The wear part kit is a typical selection of components to bring the pump performance back to factory standard. The ideal solution for a machine overhaul or refurbishment.
- Impeller
- Wear plate
- Diffuser
- Impeller nut
Drainage pumps, WEDA D

Technical data

<table>
<thead>
<tr>
<th>Specifications</th>
<th>WEDA D04N</th>
<th>WEDA D04BN</th>
<th>WEDA D08N</th>
<th>WEDA D10N</th>
<th>WEDA D30L</th>
<th>WEDA D30N</th>
<th>WEDA D40N</th>
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<tbody>
<tr>
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<td>39.4</td>
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<td>52</td>
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<td>90</td>
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<td>Max. flow US gpm</td>
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<td>79.3</td>
<td>117</td>
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<td>370</td>
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<td>Max. flow m³/h</td>
<td>15.0</td>
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<td>28</td>
<td>75</td>
<td>75</td>
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<td>0.5</td>
<td>1.0</td>
<td>1.5</td>
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<td>3.0</td>
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<td>0.65</td>
<td>1.2</td>
<td>1.5</td>
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<td>2.9</td>
<td>3.0</td>
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<tr>
<td>Discharge connection in</td>
<td>2&quot;</td>
<td>1&quot; (2&quot; optional)</td>
<td>2&quot;</td>
<td>2&quot;</td>
<td>3&quot; (4&quot;)</td>
<td>3&quot; (4&quot;)</td>
<td>3&quot; (4&quot;)</td>
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<tr>
<td>Max solid handling size in</td>
<td>0.3&quot;</td>
<td>0.18&quot;</td>
<td>0.3&quot;</td>
<td>0.16&quot;</td>
<td>0.27&quot;</td>
<td>0.27&quot;</td>
<td>0.27&quot;</td>
</tr>
</tbody>
</table>

Weight and dimensions

| Weight lbs | 20.0 | 21.0 | 27.4 | 27.5 | 27.5 | 44 | 44 | 44 | 44 | 55.0 |
| Height in  | 13.4 | 16.4 | 14.1 | 15.5 | 15.5 | 20.6 | 20.6 | 19.4 | 19.4 | 20.6 |
| Width in   | 8.3  | 10.0 | 8.3  | 8.8  | 8.8  | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| Diameter in | 7.2   | 8.7  | 7.3  | 7.3  | 7.3  | 8.7  | 8.7  | 8.7  | 8.7  | 8.7   |

Typical applications

- General dewatering
- Ground water
- Raw water
- Construction sites

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Performance curves

WEDA D04N

WEDA D04BN

WEDA D08N

WEDA D10N

WEDA D30L, D30N

WEDA D40N

Normal head
Low head

According to ISO 9906 – ANNEX A
Drainage pumps, WEDA D

Technical data

<table>
<thead>
<tr>
<th>Specifications</th>
<th>WEDA D50N</th>
<th>WEDA D50H</th>
<th>WEDA D60N</th>
<th>WEDA D60H</th>
<th>WEDA D60SH</th>
<th>WEDA D70L</th>
<th>WEDA D70H</th>
<th>WEDA D80N</th>
<th>WEDA D80H</th>
<th>WEDA D90L</th>
<th>WEDA D90H</th>
<th>WEDA D100N</th>
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</thead>
<tbody>
<tr>
<td>Max. head ft</td>
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<td>135</td>
<td>100</td>
<td>170</td>
<td>250</td>
<td>110</td>
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<td>145</td>
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<td>120</td>
<td>325</td>
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<tr>
<td>Max. flow US  gpm</td>
<td>620</td>
<td>310</td>
<td>700</td>
<td>340</td>
<td>260</td>
<td>1200</td>
<td>300</td>
<td>1600</td>
<td>760</td>
<td>1700</td>
<td>560</td>
<td>6100</td>
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<tr>
<td>m3/h</td>
<td>138</td>
<td>72</td>
<td>156</td>
<td>90</td>
<td>63</td>
<td>285</td>
<td>95</td>
<td>350</td>
<td>170</td>
<td>407</td>
<td>127</td>
<td>972</td>
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<tr>
<td>Rated output hp</td>
<td>8.5</td>
<td>8.5</td>
<td>11.5</td>
<td>11.5</td>
<td>15.0</td>
<td>31</td>
<td>31</td>
<td>36</td>
<td>36</td>
<td>84</td>
<td></td>
<td></td>
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<tr>
<td>Max. power input kW</td>
<td>7.5</td>
<td>7.5</td>
<td>10.0</td>
<td>10.0</td>
<td>13.4</td>
<td>28</td>
<td>28</td>
<td>31</td>
<td>28.6</td>
<td>31.0</td>
<td>80.0</td>
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<tr>
<td>Discharge connection in</td>
<td>4” (3”)</td>
<td>3” (4”)</td>
<td>4” (3”)</td>
<td>3” (4”)</td>
<td>6” (4”)</td>
<td>4” (6”)</td>
<td>6” (4”)</td>
<td>4” (6”)</td>
<td>6” (4”)</td>
<td>4” (6”)</td>
<td>4” (6”)</td>
<td>10”</td>
</tr>
<tr>
<td>Max solid handling size in</td>
<td>0.32”</td>
<td>0.32”</td>
<td>0.32”</td>
<td>0.32”</td>
<td>0.27”</td>
<td>0.27”</td>
<td>0.47”</td>
<td>0.47”</td>
<td>0.27”</td>
<td>0.27”</td>
<td>0.47”</td>
<td>0.47”</td>
</tr>
</tbody>
</table>

Weight and dimensions

| Weight lbs | 122 | 122 | 134 | 134 | 138 | 209 | 209 | 400 | 400 | 400 | 400 | 1124 |
| Height in  | 28.3 | 28.3 | 29.9 | 29.9 | 29.9 | 15.5 | 15.5 | 38.6 | 38.6 | 43.4 | 43.4 | 55.5 |
| Width in   | 13.0 | 11.9 | 13.0 | 11.9 | 11.9 | 35.8 | 35.8 | 27.2 | 26.2 | 18.9 | 18.9 | 25.5 |
| Diameter in | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 14.1 | 14.1 | 20.9 | 20.9 | 15.8 | 15.8 | 23.6 |

Typical applications

- General dewatering
- Ground water
- Raw water
- Construction sites
Performance curves

WEDA D50N, D50H

WEDA D60N, D60H, D60SH

WEDA D70L, D70H

WEDA D80N, D80H

WEDA D90L, D90H

WEDA D100N

According to ISO 9906 – ANNEX A
# Sludge pumps, WEDA S

## Technical data

<table>
<thead>
<tr>
<th>Specifications</th>
<th>WEDA S04N</th>
<th>WEDA S08N</th>
<th>WEDA S30N</th>
<th>WEDA S50N</th>
<th>WEDA S60N</th>
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<tbody>
<tr>
<td>Max. head (ft)</td>
<td>32.8</td>
<td>48.6</td>
<td>51</td>
<td>61</td>
<td>92</td>
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<tr>
<td>Max. flow (US gpm)</td>
<td>58.1</td>
<td>76.6</td>
<td>190</td>
<td>230</td>
<td>370</td>
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<tr>
<td></td>
<td>16.2</td>
<td>19.0</td>
<td>43</td>
<td>52</td>
<td>84</td>
</tr>
<tr>
<td>Rated output (hp)</td>
<td>0.5</td>
<td>1.0</td>
<td>3.0</td>
<td>4.0</td>
<td>6.2</td>
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<tr>
<td>Max. power input (kW)</td>
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<td>-</td>
<td>2.8</td>
<td>3.6</td>
<td>7.0</td>
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<td>Discharge connection (in)</td>
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<td>2&quot;</td>
<td>3&quot;</td>
<td>3&quot;</td>
<td>4&quot; (3&quot;)</td>
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<tr>
<td>Max solids handling size (in)</td>
<td>1&quot;</td>
<td>1&quot;</td>
<td>2&quot;</td>
<td>2&quot;</td>
<td>2&quot;</td>
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## Weight and dimensions

<table>
<thead>
<tr>
<th>Weight (lbs)</th>
<th>Height (in)</th>
<th>Width (in)</th>
<th>Diameter (in)</th>
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<tr>
<td>22.1</td>
<td>14.7</td>
<td>10.9</td>
<td>9.5</td>
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<tr>
<td>28.7</td>
<td>16.38</td>
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<td>9.5</td>
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<tr>
<td>55</td>
<td>24.3</td>
<td>12.8</td>
<td>9.8</td>
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<td>55</td>
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<tr>
<td>143</td>
<td>34.2</td>
<td>17.7</td>
<td>13.8</td>
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## Typical applications

- Water containing mud
- Sludge or light slurry
- Tank clean-out
- Trench and pond cleaning
- Mining
Performance curves

**WEDA S04N**

![Performance curve for WEDA S04N](image)

**WEDA S08N**

![Performance curve for WEDA S08N](image)

**WEDA S30N**

![Performance curve for WEDA S30N](image)

**WEDA S50N**

![Performance curve for WEDA S50N](image)

**WEDA S60N**

![Performance curve for WEDA S60N](image)

---

Normal head

According to ISO 9906 – ANNEX A
## Slurry pumps, WEDA L

### Technical data

<table>
<thead>
<tr>
<th>Specifications</th>
<th>WEDA L40N</th>
<th>WEDA L50N</th>
<th>WEDA L60N</th>
<th>WEDA L70N</th>
<th>WEDA L80N</th>
<th>WEDA L95N</th>
<th>WEDA L100N</th>
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<tbody>
<tr>
<td>Max. head</td>
<td>ft</td>
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<td></td>
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<td></td>
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<td></td>
<td>47</td>
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<td>85</td>
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<td>247</td>
<td>308</td>
<td>440</td>
<td>616</td>
<td>660</td>
<td>880</td>
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<td>Discharge connection</td>
<td>in</td>
<td>3&quot; NPT</td>
<td>4&quot; NPT</td>
<td>4&quot; NPT</td>
<td>ASME 4&quot; 150lb</td>
<td>ASME 6&quot; 150lb</td>
<td>ASME 6&quot; 150lb</td>
<td>ASME 6&quot; 150lb</td>
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### Weight and dimensions

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<tr>
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<td>573</td>
<td>595</td>
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<td>16</td>
<td>19</td>
<td>21</td>
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### Typical applications

- Abrasive media with high solids content
- Dredging
- Quarries
- Settling ponds

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Performance curves

**WEDA L40N**

**WEDA L50N**

**WEDA L60N**

**WEDA L70N**

**WEDA L80N**

**WEDA L95N**

**WEDA L100N**

**WEDA L110N**

---

Normal head

According to ISO 9906 – ANNEX A
Product portfolio

**GENERATORS**

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<tr>
<th>Type</th>
<th>Range</th>
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<tr>
<td>PORTABLE</td>
<td>1.6–12 kVA</td>
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<tr>
<td>MOBILE</td>
<td>25-1,200* kVA</td>
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*Multiple configurations available to produce power for any size application

**DEWATERING PUMPS**

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTRIC SUBMERSIBLE</td>
<td>up to 6,100 US gpm</td>
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<tr>
<td>SURFACE PUMPS</td>
<td>up to 8,500 US gpm</td>
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Diesel and electric options available

**LIGHT TOWERS**

<table>
<thead>
<tr>
<th>Type</th>
<th>Type</th>
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<tbody>
<tr>
<td>METAL HALIDE</td>
<td>DIESEL LED</td>
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<tr>
<td>ELECTRIC LED</td>
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</table>

**AIR COMPRESSORS AND HANDHELD TOOLS**

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<th>Type</th>
<th>CFM</th>
<th>PSI</th>
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<tbody>
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<td>58-508</td>
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<tr>
<td>HANDHELD TOOLS</td>
<td>Pneumatic</td>
<td>Hydraulic</td>
</tr>
</tbody>
</table>

**ONLINE SOLUTIONS**

- **SHOP ONLINE PARTS ONLINE**
  Find and order the spare parts for power equipment. We handle your orders 24 hours a day.

- **POWER CONNECT**
  Scan the QR code on your machine, and go to the QR Connect Portal to find all the information about your machine.

- **LIGHT THE POWER YOUR SIZING TOOL**
  A useful calculator to help you choose the best solution for your power and light needs.

- **FLEETLINK**
  Intelligent telematics system that helps optimize fleet usage, reduce maintenance costs, ultimately saving time and cost.