Complete submersible dewatering solutions

The WEDA range (60 Hz)
WEDA dewatering 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 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.

WATER DENSITY

14.18 lb/gal

WATER DENSITY

14.18 lb/gal

SOLIDS HANDLING

UP TO 2.5 inch

SOLIDS HANDLING

UP TO 2.5 inch

UP TO 40% LIGHTER
IN WEIGHT

UP TO 40% LIGHTER
IN WEIGHT

HIGH WEAR RESISTANCE

HIGH WEAR RESISTANCE

www.atlascopco.com/weda
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)**

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

**Sludge pumps (WEDA S)**

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

**Slurry pumps (WEDA L)**

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

---

**Applications**

- 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
WEDA D range

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

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

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

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

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

55 HRC

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

**SOLIDS HANDLING UP TO 2 inch**

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

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

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

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

55 HRC

www.atlascopco.com/weda
WEDA L range

The WEDA slurry pumps are the toughest, and have the largest apertures to facilitate handling of slurry with the most challenging solids.
The unique aluminum alloy construction of the WEDA pumps provides high corrosion resistance in a wide range of applications.

Tough environments demand tough pumps
## WEDA D range

### Technical data

<table>
<thead>
<tr>
<th>Specifications</th>
<th>WEDA D04N</th>
<th>WEDA D04BN</th>
<th>WEDA D06N</th>
<th>WEDA D10N</th>
<th>WEDA D30L</th>
<th>WEDA D30N</th>
<th>WEDA D40N</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1ph</td>
<td>1ph</td>
<td>1ph</td>
<td>1ph</td>
<td>3ph</td>
<td>1ph</td>
<td>3ph</td>
</tr>
<tr>
<td>Max. head ft</td>
<td>39.4</td>
<td>39.4</td>
<td>53.3</td>
<td>52</td>
<td>52</td>
<td>58</td>
<td>58</td>
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<tr>
<td>Max. flow US gpm</td>
<td>67.6</td>
<td>59.4</td>
<td>79.3</td>
<td>117</td>
<td>119</td>
<td>370</td>
<td>370</td>
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<tr>
<td></td>
<td>m³/h</td>
<td>15.0</td>
<td>13.5</td>
<td>19.5</td>
<td>28</td>
<td>29</td>
<td>75</td>
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<td>0.5</td>
<td>0.5</td>
<td>1.0</td>
<td>1.5</td>
<td>1.3</td>
<td>3.0</td>
<td>3.0</td>
</tr>
<tr>
<td>Max. power input kW</td>
<td>0.65</td>
<td>0.65</td>
<td>1.2</td>
<td>1.5</td>
<td>1.2</td>
<td>3.1</td>
<td>2.9</td>
</tr>
<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>2&quot;</td>
<td>3&quot; (4&quot;)</td>
<td>3&quot; (4&quot;)</td>
</tr>
<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>0.16&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         |
| Height in                 | 13.4       | 16.4       | 14.1       | 15.5       | 15.5       | 20.6       | 20.6       | 19.4       |
| Width in                  | 8.3        | 10.0       | 8.3        | 8.8        | 8.8        | 11.4       | 11.4       | 11.4       |
| Diameter in               | 7.2        | 8.7        | 7.3        | 7.3        | 7.3        | 8.7        | 8.7        | 8.7        |

### Typical applications

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

[www.atlascopco.com/weda](http://www.atlascopco.com/weda)
Performance curves

According to ISO 9906 – ANNEX A

Normal head
Low head

At www.atlascopco.com/weda

Flow
**Typical applications**

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

**Specifications**

<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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<tbody>
<tr>
<td>Max. head ft</td>
<td>83</td>
<td>135</td>
<td>100</td>
<td>170</td>
<td>250</td>
<td>110</td>
<td>254</td>
<td>145</td>
<td>240</td>
<td>120</td>
<td>325</td>
<td>115</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>
</tr>
<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>11.5</td>
<td>15.0</td>
<td>15.0</td>
<td>31</td>
<td>31</td>
<td>36</td>
<td>36</td>
<td>84</td>
</tr>
<tr>
<td>Max. power input kW</td>
<td>7.5</td>
<td>7.5</td>
<td>10.0</td>
<td>10.0</td>
<td>10.0</td>
<td>13.4</td>
<td>16.2</td>
<td>26</td>
<td>26</td>
<td>28.6</td>
<td>31.0</td>
<td>80.0</td>
</tr>
<tr>
<td>Discharge connection in</td>
<td>4” (3”)</td>
<td>3” (4”)</td>
<td>4” (3”)</td>
<td>3” (4”)</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>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>0.32”*</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>
</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 |

*www.atlascopco.com/weda*
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
# WEDA S range

## 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>
</tr>
<tr>
<td>m³/h</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>
</tr>
<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>
</tr>
<tr>
<td>Discharge connection in</td>
<td>2&quot;</td>
<td>2&quot;</td>
<td>3&quot;</td>
<td>3&quot;</td>
<td>4&quot; (3&quot;)</td>
</tr>
<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>
</tr>
<tr>
<td>Weight lbs</td>
<td>22.1</td>
<td>28.7</td>
<td>55</td>
<td>55</td>
<td>130</td>
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<tr>
<td>Height in</td>
<td>14.7</td>
<td>16.38</td>
<td>24.3</td>
<td>24.3</td>
<td>32</td>
</tr>
<tr>
<td>Width in</td>
<td>10.9</td>
<td>10.9</td>
<td>12.8</td>
<td>12.8</td>
<td>18</td>
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<tr>
<td>Diameter in</td>
<td>9.5</td>
<td>9.5</td>
<td>9.8</td>
<td>9.8</td>
<td>14</td>
</tr>
</tbody>
</table>

## Typical applications

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

WEDA S04N

WEDA S08N

WEDA S30N

WEDA S50N

WEDA S60N

Normal head
According to ISO 9906 – ANNEX A
### WEDA L range

#### 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>
<th>WEDA L110N</th>
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</thead>
<tbody>
<tr>
<td>Max. head ft</td>
<td>47</td>
<td>57</td>
<td>75</td>
<td>85</td>
<td>98</td>
<td>171</td>
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<tr>
<td>Max. flow US gpm</td>
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<td>308</td>
<td>440</td>
<td>616</td>
<td>660</td>
<td>880</td>
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<tr>
<td></td>
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<td>101</td>
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<td>152</td>
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<td>7</td>
<td>12</td>
<td>15</td>
<td>20</td>
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<td>101</td>
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<tr>
<td>Max. power input kW</td>
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<td>9</td>
<td>14</td>
<td>17</td>
<td>22</td>
<td>54</td>
<td>65</td>
<td>107</td>
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<tr>
<td>Discharge connection in</td>
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<td>4(^{\circ}) NPT</td>
<td>4(^{\circ}) NPT</td>
<td>4(^{\circ}) NPT</td>
<td>ASME 4(^{\circ}) 150lb</td>
<td>ASME 6(^{\circ}) 150lb</td>
<td>ASME 6(^{\circ}) 150lb</td>
<td>ASME 6(^{\circ}) 150lb</td>
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<td>1.0</td>
<td>1.0</td>
<td>1.4</td>
<td>2.4</td>
<td>2.4</td>
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</table>

<table>
<thead>
<tr>
<th>Weight and dimensions</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>
<th>WEDA L110N</th>
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<tbody>
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<td>573</td>
<td>573</td>
<td>595</td>
<td>684</td>
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<td>2359</td>
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<tr>
<td>Height in</td>
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<td>36</td>
<td>36</td>
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<td>42</td>
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<td>16</td>
<td>16</td>
<td>19</td>
<td>21</td>
<td>21</td>
<td>21</td>
</tr>
</tbody>
</table>

#### Typical applications

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

According to ISO 9906 – ANNEX A
Accessories

Discharge connections
We understand that you will have preferred equipment connections, so we offer four types. All can be mounted in either a vertical or horizontal position.

- Hose
- Storz
- ISO-G
- NPT

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

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

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.

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

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.

Discharge connections

- Hose
- Storz
- ISO-G
- NPT

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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.

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

- Float switch
Built better. Built to resist and perform
DIP pneumatic pump

A pneumatic pump is a great choice when failure is not an option. They're easy to use, safe and can handle almost anything you throw at them.

The DIP centrifugal pumps can be made to suit several operations. With a simple change of impeller and intake ring you can adjust to the desired capacity and head. That means you get a three-in-one solution. The DIP is designed to handle relatively clean low-viscosity liquids such as water and cooling fluids.

**LARGE GRIP**
The pump got a great grip, which makes it easy to carry around

**SAFE AIR INTAKE**
The strainer prevents contaminants from entering the pump

**SUBMERSIBLE ACTION**
The DIP is submersible, with the optional non-return valve

**STAINLESS PROTECTION**
The stainless-steel impeller is resistant to corrosion and many chemicals

**WIDE RANGE**
You can choose pump for a high head or high flow based on your application

**LEAK-FREE**
A specially designed rotating mechanical seal prevents leakage

---

**Flow chart**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>DIP 25</th>
<th>DIP 35</th>
<th>DIP 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. head feet</td>
<td>82</td>
<td>115</td>
<td>194</td>
</tr>
<tr>
<td>Max. flow US GPM</td>
<td>444</td>
<td>349</td>
<td>174</td>
</tr>
<tr>
<td>Max. air requirements US GPM</td>
<td>1110</td>
<td>1110</td>
<td>1110</td>
</tr>
<tr>
<td>Connections</td>
<td>Fluid outlet in</td>
<td>G 2 1/2</td>
<td>G 2 1/2</td>
</tr>
<tr>
<td></td>
<td>Air inlet in</td>
<td>G 3/4</td>
<td>G 3/4</td>
</tr>
<tr>
<td></td>
<td>Air outlet in</td>
<td>G 1 1/2</td>
<td>G 1 1/2</td>
</tr>
<tr>
<td>Weight lb</td>
<td>51</td>
<td>51</td>
<td>51</td>
</tr>
<tr>
<td>Length in</td>
<td>0.77</td>
<td>0.77</td>
<td>0.77</td>
</tr>
<tr>
<td>Width in</td>
<td>0.94</td>
<td>0.94</td>
<td>0.94</td>
</tr>
<tr>
<td>Height in</td>
<td>1.42</td>
<td>1.42</td>
<td>1.42</td>
</tr>
</tbody>
</table>

At 87 psi

www.atlascopco.com/weda
When the going gets tough, the tough get a DOP diaphragm pump. They are designed for the most polluted and viscous media, as well as highly abrasive and flammable fluids.

**Specifications**

- **Max. head**
  - feet: DOP 15N: 194, DOP 15F: 194
- **Max. flow**
  - US GPM: DOP 15N: 111, DOP 15F: 111
- **Max. air requirements**
  - US GPM: DOP 15N: 539, DOP 15F: 539
- **Connections**
  - Fluid outlet: in, DOP 15N: G 2 1/2, DOP 15F: G 2 1/2
  - Air inlet: in, DOP 15N: G 3/4, DOP 15F: G 3/4
- **Weight**
  - lb: DOP 15N: 68, DOP 15F: 68
- **Length**
  - in: DOP 15N: 1.28, DOP 15F: 1.28
- **Width**
  - in: DOP 15N: 1.08, DOP 15F: 1.08
- **Height**
  - in: DOP 15N: 1.92, DOP 15F: 1.92

**Flow chart**

At 87 psi

<table>
<thead>
<tr>
<th>Head (ft)</th>
<th>Flow (l/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10</td>
<td>27</td>
</tr>
<tr>
<td>20</td>
<td>54</td>
</tr>
<tr>
<td>30</td>
<td>81</td>
</tr>
<tr>
<td>40</td>
<td>108</td>
</tr>
<tr>
<td>60</td>
<td>162</td>
</tr>
<tr>
<td>70</td>
<td>229</td>
</tr>
</tbody>
</table>

**Additional Features**

- **EASY TO HANDLE**
  - It only takes one person to handle the DOP
- **SAFE INTAKE**
  - The air intake with strainer prevents contaminants from entering the pump via the air
- **SELF-PRIMING**
  - Reduces unnecessary handling in rough environments
- **REACH THE CORNERS**
  - Thanks to the pivoting intake coupling together with an optional suction hose
- **SUBMERSIBLE**
  - The built-in non-return valve makes the pump submersible and independent of orientation; add a silencer for lower noise levels
- **LIFT MORE**
  - The DOP can be connected in series to increase the lifting capacity, or “head”
- **PIVOTING CONNECTION**
  - Reduces stress on the hose
- **STABLE OPERATIONS**
  - The strainer at the base prevents particles larger than 30 mm from passing through the pump
# Product portfolio

## Generators

<table>
<thead>
<tr>
<th>Portable</th>
<th>Mobile</th>
<th>Industrial</th>
<th>Containers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.6–12 kVA</td>
<td>9–1250* kVA</td>
<td>10–2250* kVA</td>
<td>800–1450 kVA</td>
</tr>
</tbody>
</table>

Multiple configurations available to produce power for any size application.

## Dewatering Pumps

<table>
<thead>
<tr>
<th>Electric Submersible</th>
<th>Surface Pumps</th>
<th>Small Portable</th>
</tr>
</thead>
<tbody>
<tr>
<td>250–16,200 l/min</td>
<td>833–23,300 l/min</td>
<td>210–2500 l/min</td>
</tr>
</tbody>
</table>

Diesel and electric options available.

## Light Towers

| Diesel LED and MH | Battery LED | Electric LED |

## Air Compressors and Handheld Tools

<table>
<thead>
<tr>
<th>Air Compressors</th>
<th>Handheld Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>1–116 m³/min</td>
<td>Pneumatic</td>
</tr>
<tr>
<td>7–345 bar</td>
<td>Hydraulic</td>
</tr>
</tbody>
</table>

Petrol engine driven.

## 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.