High Pressure Plunger Pumps for continuous operation
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Hauhinco high pressure plunger pumps have proven their reliability in a wide range of water hydraulic fluid applications and in the harshest conditions for more than 50 years. Decades of water hydraulic experience and the continuous exchange of information with users and research in fluid technology have facilitated the further development of the compact triplex and quintuplex plunger pumps and radial piston pumps.

High Pressure Plunger Pumps for continuous operation

Hauhinco triplex and quintuplex high pressure plunger pumps are energy-efficient, robust units designed for continuous operation. As is typical for Hauhinco, every high pressure pump is available in a foot type and a flange type.

High quality materials, wear-resistant and corrosion-resistant coatings, innovative technical designs as well as the latest manufacturing and inspection processes guarantee low wear and long service lives.

With a broad flow rate range from 50 – 738 l/min and operating pressures up to 575 bar, Hauhinco plunger pumps are a natural fit for all water hydraulic applications, such as for example for the high pressure and water spray supply in underground longwall mining, as press drives and in descaling systems.

All high pressure pumps are equipped with a crankshaft drive and integrated helical gearing with circulating oil lubrication. Optionally, every pump type can be equipped with an external lubricating oil supply and a variable frequency drive.

Various volumetric flow rate and pressure combinations are possible with every pump type by simply replacing the pump inserts. As a consequence Hauhinco units can be adapted flexibly if the conditions and requirements change.

All components are easy to access due to the maintenance-friendly design.

Quick, straightforward replacement is therefore guaranteed when required. With this innovative engineering quality „Made in Germany“, Hauhinco sets standards worldwide in water hydraulics. Hauhinco high pressure pumps stand for maximum efficiency and cost-effectiveness. Numerous additions and adaptations are available for all pumps. Fully tailored pump units can be manufactured, starting with pump bypass, pressure limiting and safety valves, through pulsation dampeners, to customs designs.

Fluids

- HFA/HFC fluids
- Non-oily water/clear water
- Mine water
- Industrial water
- Descaling water
- Neutral fluids with a viscosity of 0.5 – 4.0 mm²/s

Key data at a glance

- Flow rate up to 738 dm³/min
- Operating pressures up to 575 bar
- Drive powers up to 400 KW

Range of Applications

- High Pressure Supply
- Water Spraying and Cooling
- Hydraulic Drives (Water hydraulics, Emulsion hydraulics)
- Press Drives
- Descaling
- Pressurized Water Systems
- Pump Stations
- Cleaning

And many more.
**Triplex Plunger Pump**

**EHP-3K 75**

## Technical data

<table>
<thead>
<tr>
<th>Type</th>
<th>Plunger diameter</th>
<th>Flow rate Q_{in} dm³/min</th>
<th>max. Operating pressure[^1]</th>
<th>Crankshaft speed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>min</td>
<td>Input speed 1,500 1/min</td>
<td>Input speed 1,800 1/min</td>
<td>bar</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,500 1/min</td>
</tr>
<tr>
<td>HD</td>
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<td>ND</td>
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<td>167</td>
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<td>210</td>
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<td></td>
<td>57.5</td>
<td>221</td>
<td>266</td>
<td>160</td>
</tr>
<tr>
<td></td>
<td>57.5</td>
<td>278</td>
<td>-</td>
<td>160</td>
</tr>
</tbody>
</table>

- **max. Input speed:** 1,500 / 1,800 1/min
- **max. Input power:** 75 kW

[^1]: Max. approved operating pressure at the pressure connection pump head.

[^2]: The weight specifications apply for pumps without any attachment parts.
Triplex Plunger Pump

EHP-3K 75

Flange-type

Weight
660 kg
**Triplex Plunger Pump**

**EHP-3K 110**

**Technical data**

<table>
<thead>
<tr>
<th>Plunger diameter (mm)</th>
<th>Flow rate Q_{th} dm³/min</th>
<th>max. Operating pressure (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Input speed 1,500 l/min</td>
<td>Input speed (1) 1,800 l/min</td>
</tr>
<tr>
<td>36</td>
<td>105</td>
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<td>127</td>
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<tr>
<td>45</td>
<td>163</td>
<td>161</td>
</tr>
</tbody>
</table>

- **max. Input speed:**
  1,500 / 1,800 l/min
- **max. Input power:**
  110 kW

1 kW = 1.3410 HP
1 bar = 14.5038 psi
1 kg = 2.205 lbs
1 l = 0.26417 Gal.

(1) Reduction gear box for 60 Hz operation (input speed = 1,800 l/min).
(2) Max. approved operating pressure at the pressure connection pump head.
(3) The weight specifications apply for pumps without any attachment parts.
EHP-3K 110

Triplex Plunger Pump

Flange-type

Weight
620 kg
**Triplex Plunger Pump**

**EHP-3K 125, 150**

### Technical data

<table>
<thead>
<tr>
<th>Pumpentyp</th>
<th>Plunger diameter</th>
<th>Flow rate Q&lt;sub&gt;th&lt;/sub&gt; dm³/min</th>
<th>max. Operating pressure&lt;sup&gt;2&lt;/sup&gt; bar</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>Input speed 1,500 1/min</td>
<td>Input speed&lt;sup&gt;1&lt;/sup&gt; 1,800 1/min</td>
</tr>
<tr>
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<td>611</td>
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</tbody>
</table>

- **max. Input speed:**
  - 1,500 / 1,800 1/min
- **max. Input power:**
  - 125 bzw. 150 kW

<sup>1</sup> Reduction gear box for 60 Hz operation (input speed = 1,800 1/min).
<sup>2</sup> Max. approved operating pressure at the pressure connection pump head.
<sup>3</sup> The weight specifications apply for pumps without any attachment parts.
Triplex Plunger Pump

EHP-3K 125, 150

Flange-type

- **Weight**
  - 650 kg

HP-3K 125, 150
**Triplex Plunger Pump**

**EHP-3K 125S, 150S**

---

**Technical data**

<table>
<thead>
<tr>
<th>Type</th>
<th>Plunger diameter</th>
<th>Flow rate $Q_{th}$ dm³/min</th>
<th>max. Operating pressure[2]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>Input speed 1,500 ℓ/min</td>
<td>Input speed[1] 1,800 ℓ/min</td>
</tr>
<tr>
<td>EHP-3K 125S</td>
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<td>199</td>
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<td></td>
<td>55</td>
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</tr>
<tr>
<td></td>
<td>62</td>
<td>310</td>
<td>306</td>
</tr>
<tr>
<td>EHP-3K 150S</td>
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<td>239</td>
</tr>
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</tr>
<tr>
<td></td>
<td>62</td>
<td>372</td>
<td>367</td>
</tr>
</tbody>
</table>

- **max. Input speed**: 1,500 / 1,800 ℓ/min
- **max. Input power**: 125 bzw. 150 kW

---

1 kW = 1.3410 HP  
1 bar = 14.5038 psi  
1 kg = 2.205 lbs  
1 l = 0.26417 Gal.

---

[1] Reduction gear box for 60 Hz operation (input speed = 1,800 ℓ/min).
[2] Max. approved operating pressure at the pressure connection pump head.
EHP-3K 125S, 150S

Triplex Plunger Pump

Flange-type

Weight

782 kg
Our quality is your market advantage

We are your partner for intelligent, sustainable and economical water-hydraulic solutions

Hauhinco, as the world’s leading manufacturer of water hydraulics solutions and systems, provides customers exclusively with high-quality, intelligent and high-performance high-pressure technologies and services.

With our water hydraulics expertise, we design tailor-made solutions for underground mining as well as innovative descaling systems for hot rolled products. Whether high-pressure pump station, spray pump stations or press water stations, with or without water treatment, we manufacture certified pump systems with all necessary approvals for the international market.

Hauhinco stands for high quality plunger pumps and systems that guarantee the necessary safety and reliability during operation.

The satisfaction of the customer is the highest priority at all times during the business relationship. We do not merely develop solutions, but we also want to supply our customers with our products and systems to provide long-term support so that they can achieve their own business targets.

One of the keys to the achievement of our targets is our highly qualified and motivated workforce, another is the well thought out structure which we live and breathe, which facilitates and promotes our flexible and innovative way of working. Our medium-sized business, short decision-making routes and quick communication with one another are the basis for the development of optimum, customised solutions.
The modern production process, in which specialists from all technical disciplines work together to achieve great things, ensures our customers the highest quality and efficiency. Environmental protection is not just an important aspect of water hydraulics but also of great significance in our daily work.

Quality management systems and certifications are the basis of sustainable business success. The entire value-added chain is therefore characterised by a high demand for quality.

A constant exchange with our customers, research in new and existing areas and close cooperation with institutions of higher education are of immense importance at Hauhinco.

Our employees benefit from constant training and further education courses to learn the newest methods and findings. Because we have one aim:

To consolidate and build on our position as the leading water hydraulics competence centre.
**Triplex Plunger Pump**

**EHP-3K 200**

## Technical data

<table>
<thead>
<tr>
<th>Plunger diameter</th>
<th>Flow rate $Q_{th}$ dm$^3$/min</th>
<th>max. Operating pressure$^{(2)}$</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Input speed 1,500 1/min</td>
<td>Input speed$^{(1)}$ 1,800 1/min</td>
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<tr>
<td>70$^{(3)}$</td>
<td>539</td>
<td>538</td>
</tr>
<tr>
<td>80$^{(3)}$</td>
<td>704</td>
<td>702</td>
</tr>
</tbody>
</table>

- **max. Input speed:** 1,500 / 1,800 1/min
- **max. Input power:** 200 kW

$^{(1)}$ Reduction gear box for 60 Hz operation (input speed = 1,800 1/min).
$^{(2)}$ Max. approved operating pressure at the pressure connection pump head.
$^{(3)}$ Only available as steel head design with plate valves.
$^{(4)}$ The weight specifications apply for pumps without any attachment parts.

1 kW = 1.3410 HP  
1 bar = 14.5038 psi  
1 kg = 2.205 lbs  
1 l = 0.26417 Gal.
Triplex Plunger Pump

EHP-3K 200

Flange-type

- Weight
  - 830 kg
EHP-3K 200S

Technical data

<table>
<thead>
<tr>
<th>Plunger diameter</th>
<th>Flow rate $Q_{th}$ dm$^3$/min</th>
<th>max. Operating pressure$^{(2)}$ bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>Input speed 1,500 1/min</td>
<td>Input speed$^{(1)}$ 1,800 1/min</td>
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<tr>
<td>50</td>
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<td>55</td>
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<td>363</td>
</tr>
<tr>
<td>62</td>
<td>423</td>
<td>422</td>
</tr>
</tbody>
</table>

- max. Input speed: 1,500 / 1,800 1/min
- max. Input power: 200 kW

$^{(1)}$ Reduction gear box for 60 Hz operation (input speed = 1,800 1/min).
$^{(2)}$ Max. approved operating pressure at the pressure connection pump head.
$^{(3)}$ The weight specifications apply for pumps without any attachment parts.
EHP-3K 200S

Triplex Plunger Pump

Flange-type

Weight

897 kg
### Technical data

<table>
<thead>
<tr>
<th>Plunger diameter (mm)</th>
<th>Flow rate $Q_{th}$ dm³/min</th>
<th>max. Operating pressure (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Input speed 1,500 l/min</td>
<td>Input speed 1,800 l/min</td>
</tr>
<tr>
<td>53</td>
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<td>445</td>
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<tr>
<td>70</td>
<td>564</td>
<td>568</td>
</tr>
</tbody>
</table>

- **Max. Input speed:**
  - 1,500 / 1,800 l/min
- **Max. Input power:**
  - 300 kW

**Conversion factors:**
- $1\ kW = 1.3410\ HP$
- $1\ bar = 14.5038\ psi$
- $1\ kg = 2.205\ lbs$
- $1\ l = 0.26417\ Gal.$

---

(1) Reduction gear box for 60 Hz operation (input speed = 1,800 l/min).
(2) Max. approved operating pressure at the pressure connection pump head.
(3) The weight specifications apply for pumps without any attachment parts.
EHP-3K 300S

Flange-type with cylinder valve design

- Weight\(^{(3)}\)
  - 1.830 kg

Flange-type with plate valve design

- Weight\(^{(3)}\)
  - 1.770 kg
Quintuplex-Plunger Pump

EHP-5K 400S

Technical data

<table>
<thead>
<tr>
<th>Plunger diameter</th>
<th>Flow rate $Q_{th}$ dm³/min</th>
<th>max. Operating pressure(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>Input speed 1,500 1/min</td>
<td>Input speed(1) 1,800 1/min</td>
</tr>
<tr>
<td>53</td>
<td>540</td>
<td>543</td>
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<tr>
<td>57.5</td>
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<td>639</td>
</tr>
<tr>
<td>62</td>
<td>738</td>
<td>742</td>
</tr>
</tbody>
</table>

- **max. Input speed:**
  1,500 / 1,800 1/min

- **max. Input power:**
  400 kW

---

1 kW = 1.3410 HP  
1 bar = 14.5038 psi  
1 kg = 2.205 lbs  
1 l = 0.26417 Gal.

---

(1) Reduction gear box for 60 Hz operation (input speed = 1,800 1/min).
(2) Max. approved operating pressure at the pressure connection pump head.
(3) The weight specifications apply for pumps without any attachment parts.
Quintuplex-Plunger Pump

**EHP-5K 400S**

**Flange-type with plate valve design**

**Foot-type with plate valve design**

- **Weight**[^1]
  - 2,200 kg

- **Weight**[^1]
  - 2,040 kg
Quintuplex-Plunger Pump

EHP-5K 400S

Technical data

<table>
<thead>
<tr>
<th>Plunger diameter</th>
<th>Flow rate Q_th dm³/min</th>
<th>max. Operating pressure(2)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Input speed(1) 1,800 1/min</td>
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<td>543</td>
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<td>57.5</td>
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<td>639</td>
</tr>
<tr>
<td>62</td>
<td>738</td>
<td>742</td>
</tr>
</tbody>
</table>

- max. Input speed: 1,500 / 1,800 1/min
- max. Input power: 400 kW

1 kW = 1.3410 HP  
1 bar = 14.5038 psi  
1 kg = 2.205 lbs  
1 l = 0.26417 Gal.

(1) Reduction gear box for 60 Hz operation (input speed = 1,800 1/min).
(2) Max. approved operating pressure at the pressure connection pump head.
(3) The weight specifications apply for pumps without any attachment parts.
Quintuplex-Plunger Pump

**EHP-5K 400S**

Flange-type with cylinder valve design

*Weight [3]*
2,280 kg

Foot-type with cylinder valve design

*Weight [3]*
2,120 kg
Tradition and innovation go hand in hand at Hauhinco. Founded in 1908 in Sprockhövel, Germany in the cradle of Ruhr mining, Hauhinco has remained true to its roots — up to the present time. For over 111 years, the company has adapted to many changes in structure and circumstances and continually brought new, innovative products onto the market.

This experience makes Hauhinco unique in the market place. We have been developing and producing high-pressure plunger pumps for over 50 years and water-hydraulic valves and controls for over 30 years. This know-how makes Hauhinco the partner for today’s sustainable and intelligent water-hydraulic solutions.

From a mining supplier to an expert for water-hydraulic solutions

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Technical specifications are subject to change. All information and illustrations are non-binding.