HDP 40 High Pressure Pump Series

**Design criteria**

Hammelmann high pressure pumps are built to operate at the continuous maximum duty stated in the performance parameters. Just compare the crank shaft speed, average plunger speed, plunger diameter and power rating.

**High pressure pump**

Weight: approx. 440 lbs

**Features**

- Power ratings up to 50 HP
- Vertical 3 cylinder design
- Wide variety of complementary ancillaries

**Quality and reliability**

- Stainless steel stress free pump head
- Bellows form hermetic seal between the suction chamber and crank section
- Choice of application specific seal assemblies
- Solid ceramic or tungsten carbide plungers
- Choice of bronze (standard) or stainless steel suction chamber
- Crank section calculation by ‘Finite element method’ ensures long working life under continuous load
- Pressurised oil lubrication system

**Stationary unit with electric motor**

Length: 43 inch
Width: 32 inch
Height: 43 inch
Weight: approx. 1600 lbs at 40 HP

Main dimensions without accessories such as suction line, pressure regulator etc. All shown as right side drive. Detailed dimensional drawings and weights available on request.
HDP 40 series, technical data

Performance parameters

<table>
<thead>
<tr>
<th>Q [GPM]</th>
<th>Required power rating [HP]</th>
<th>D</th>
<th>r.p.m.</th>
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*At pressures over 29,000 psi approx. 5% of the flow rate is lost due to the compressibility factor of water

D = Piston/Plunger dia. [mm]

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