HDP 70 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 crankshaft speed, average plunger speed, plunger diameter and power rating.

High pressure pump

Weight: approx. 215 kg

Features

- Power ratings up to 70 kW
- Vertical 3 cylinder design
- Wide variety of complementary ancillaries

Quality and reliability

- Stainless steel pump head free of alternating stress
- 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
- Integral speed reduction gear
- Pressurised oil lubrication system with oil cooler/filter

Stationary unit with electric motor

Length: 1502 mm
Width: 720 mm
Height: 1105 mm
Weight: approx. 1150 kg at 75 kW

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 70 series, technical data

Performance parameters (Standard design)

**Note:** Actual flow rates for water as pumped medium (volumetric efficiency has already been taken into account).

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*Ultra high pressure

**Hammelmann plunger pumps convert 93 to 98 % of the shaft power to hydraulic energy.**

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