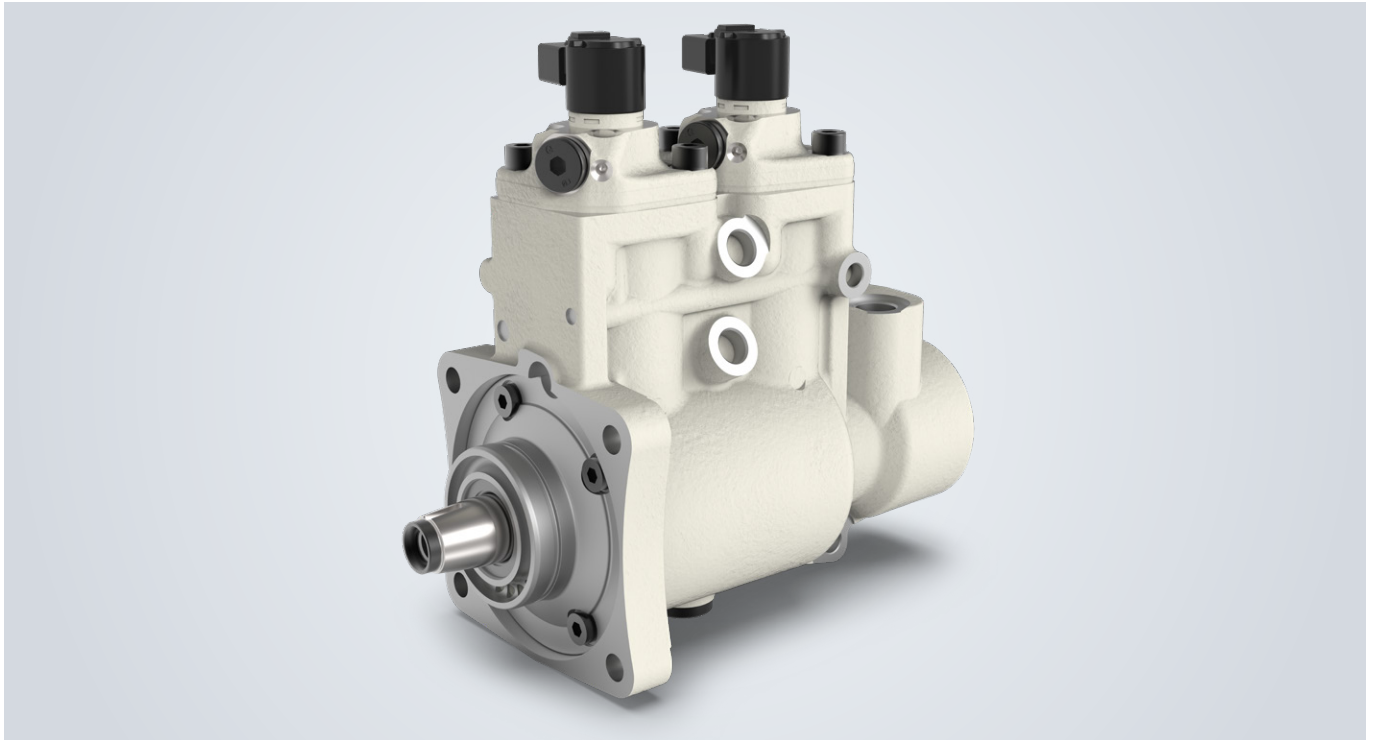


Short description

Common Rail High Pressure Pump LP7.2



The LP7.2 high pressure pump is developed for heavy-duty on and off-highway engines. Like all of Liebherr's common rail high pressure pumps, the LP7.2 also has an oil-lubricated drive, making it reliable even in harsh environmental conditions. The lightweight and compact design with external dimensions of 252x110x230 mm (LxWxH) and a weight of approximately 7 kg makes it easy to use in a wide variety of engine applications. With regard to its installation space, the roller tappet pump with cam drive has a high flow rate of 265 l/h at a system pressure of up to 2,500 bar. Digital inlet valves control fuel delivery and help to accurately determine the amount of fuel delivered to each cylinder individually. This increases hydraulic efficiency by up to 10% compared to a volumetrically-controlled pump. Variants with different directions of rotation and variable connection orientation as well as flange geometry are available.

Features

- Pressure level 2,500 bar
- Oil-lubricated
- Cam drive
- High hydraulic efficiency with digital inlet valves
- Lightweight and compact pump design
- Customised engine interfaces
- Mechanical G-rotor feed pump
- Euro VI, US 10, EU Stufe V, US EPA Tier 4f compatible

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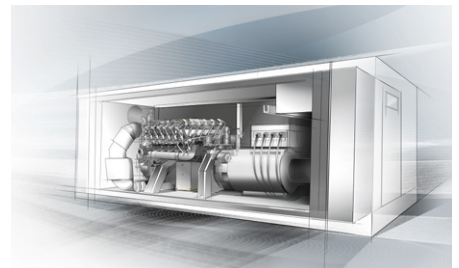
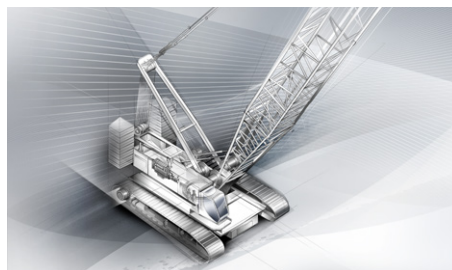
Technical Data

Common Rail High Pressure Pump LP7.2

Technical Information

System pressure	250 - 2,500 bar
Max. flow rate	265 l/h
Rated pump speed	3,500 rpm @ 2,500 bar
Max. speed	4,500 rpm @ 1,800 bar
Drive concept	Roller tappet
No. of plungers	2
Lubrication	Engine oil
Weight	~ 7 kg
Service life on-highway	1.6 million km
Service life off-highway	15,000 hours
VCV	Digital inlet valve
Feed pump	Mechanical (G-rotor)
Ambient conditions	-30 °C to 125 °C
Vibration specification	VDI 3838 / ISO 10816-6
Fuel specification	Purity class 12/9/6 (ISO 4406)
Filtration specification	Min. 98,7% efficiency @ 5 µm (ISO 19438) – along service life

Applications: On-Highway, Agriculture/Forestry, Civil Engineering, Power Generation



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