

Used Atlas Copco PAS 150 HFS T4F Unit #1052

#SN HOP065688

PAS HF - Vacuum prime centrifugal pumps

The pump system consists of a centrifugal pump and a separator, which enables air to be separated from the liquid and be sucked by a vacuum pump - making automatic priming possible. Even with suction heights of several meters the machine rapidly evacuates the air from the suction pipe and starts to pump. Additionally, thanks to the semi-open impeller, the PAS HF range is also suitable for pumping liquids with solids in suspension.

Applications

Both Atlas Copco and Varisco have decades of experience in designing and producing pumps. We have put those years of expertise into providing a solutions portfolio that works across multiple applications. The PAS HF (high flow) range is packed with features that not only meet, but exceed the needs of the market. We are focused on an efficient, extremely versatile pump that is suitable for many industries, including construction, general dewatering and emergency applications, such as flood clean up.

Benefits

Pump

- High efficiency: 70% (B.E.P.)

Rapid “dry” priming

- Up to a height of 7,5 m (24.6 ft)

High resistance

- To abrasive liquids and turbid sandy waters

Semi-open impeller

- Solids handling up to 76 mm (3”)

Diaphragm vacuum pump

- Oil free suitable for dry running: no contamination of the environment

Mechanical shaft seal in oil bath

- It allows the “dry running” operation of the pump

Wear plate

- Cast iron wear plate that is easily replaceable

Easy maintenance

- Hinged cover for direct access to the impeller (without lifting devices). Link belt quick to replace on the field.

Pump

- Model - PAS 150 HFS T4F
- Qmax - 510 m³/h - 8.500 l/min (2,250 USgpm)
- Hmax - 51 m (167 ft)
- Q max eff. - 390 m³/h - 6.500 l/min (1,700 USgpm)
- Max - 70 %
- Suction port - Flanged - ANSI 150
- Delivery port - Flanged - ANSI 150
- Impeller type - Semi-Open, 2 vane
- Solids handling - 76 mm (3.0 ")

Material

- Casing - EN-GJL-200 cast iron
- Impeller - EN-GJS-500 ductile iron
- Wear plates - EN-GJL-200 cast iron
- Number of plates - 1
- Shaft - 39NiCrMo4 steel
- Flushing - Yes
- Mechanical seal - Tungsten carbide / Tungsten carbide
- Elastomers - VITON
- Lubrication - Oil

Priming system

- Vacuum pump - V20
- Vacuum pump type - Diaphragm
- Nominal air capacity - 50 m³/h (29.4 cfm)
- Max vacuum - 0,9 bar
- Separator type - -
- Separator material - EN-GJL-200 cast iron
- Drives - Link belt

Engine

- Make - Kohler
- Model - KDI 2504TCR
- Type - Diesel turbo common rail
- Displacement - 482 cm³ (151 in³)
- cylinders - 4
- Cooling - Liquid with radiator
- Rpm type - Variable
- Standard speed - 200 rpm

- US emissions - EPA Tier 4F
- Starting - Electric
- Starting voltage - 12 V
- Oil change interval - 500 h

Control panel

Model - PW 750

- Manual operation
- Automatic operation: start-stop with transducers or floats
- Digital display with 6 languages (EN, SV, FR, DE, ES, IT) with:
- Hour meter, Rev counter, Liquid temperature, Oil pressure and temperature
- Battery voltmeter, Fuel level (%) and consumption (l/h)
- Automatic engine shutdown in case of:
 - low oil pressure
 - engine overheating
 - low battery voltage
- (engine failure alarms with LED lights and display message)
- Service time (hours)
- Emergency stop button
- Push-button accelerator (up/down)

Technical data

- Material - ASTM A36 steel
- Coatings - Epoxy powder, average thickness of 3 MIL
- Features - Lifting beam. Lockable doors, soundproof canopy design
- Battery - Acid charge Pb-Ca maintenance free, 12 V - 1100 CCA
- Tank - 54 USG
- Locking keys - Fuel cap
- Fuel consumption - 5 US Gal/hr @2200 rpm @BEP
- H suction port - 31 inch (2.6 ft)
- Dry weight - 4600 lbs



