

PAS 150 HFS T4F KD

Diesel - Qmax 2,250 US gpm- Hmax 167ft



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 feet 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

The PAS 150 HF Atlas Copco pump is designed to withstand toughest applications and delivers best in class pumping efficiency. One of the most common area of utilization is the Construction dewatering and municipal market segment where reliability, serviceability and versatility is the key to provide a customized solution. Other suitable applications can be found within the Industry, Mining or Oil & Gas segment. Atlas Copco pumps are packed with features that not only meet, but exceed the needs of our customers.

Benefits

Efficiency

The 12" impeller with 70% efficiency at B.E.P. provides best pumping result with minimal efforts

Solids handling

Semi-open impeller type with solids handling capability of 3" for trouble free operation

Easy maintenance

Hinged cover for direct access to the impeller and pump volute

Polyethylene Fuel tank

Corrosion-free PE tank provides longer lifetime and avoids tank cleaning due to oxidation

Product Reference - 8972824012

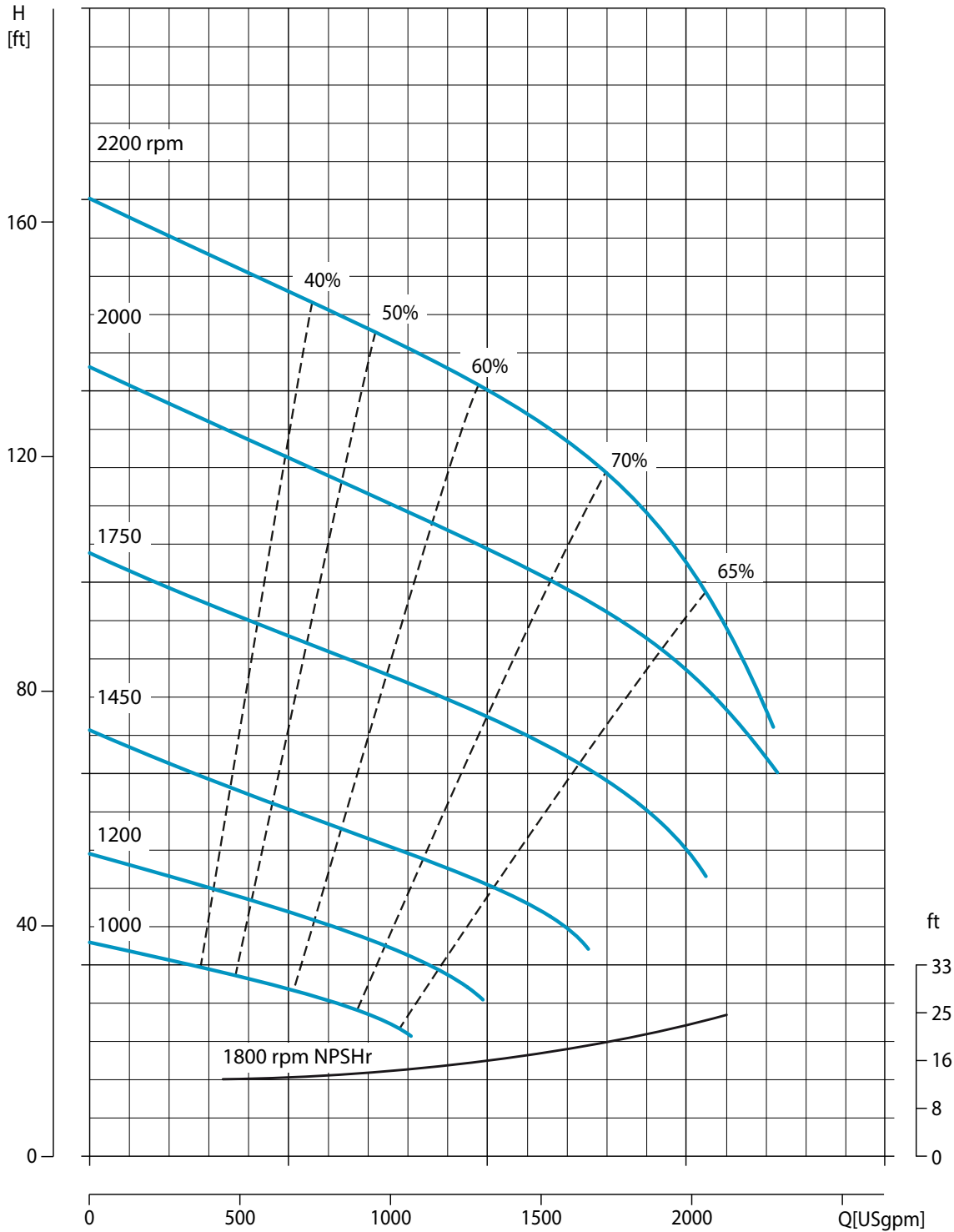
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Performance curve

Test according to UNI EN ISO 9906 standard - level 2B
Test liquid: clean water, density 62.43 lb/ft3 (8.345 lb/gal)

Losses from priming system and check valve not included

| Speed | Impeller Dia. | Style | Solids Dia. | Ns | Suction | Discharge | No. Vanes |
|---------|---------------|-----------|-------------|----------|-------------|-------------|-----------|
| Various | 12" / 300 mm | Semi-open | 3" / 76 mm | 2200 rpm | 6" / 150 mm | 6" / 150 mm | 2 |



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Technical data

Pump

| Model | PAS 150HFS T4F |
|-----------------------|--|
| Qmax | 2250 USgpm |
| Hmax | 167 ft |
| Q max eff. | 1700 USgpm |
| Eff. max | 70 % |
| Suction port | 6" Flange - 150# ANSI |
| Delivery port | 6" Flange - 150# ANSI |
| Impeller type | Semi-open, 2 vane |
| Impeller diameter | 12" |
| Solids handling | 3" |
| Material | |
| Casing | EN-GJL-200 cast iron |
| Impeller | EN-GJS-500 ductile iron |
| Wear Plates | EN-GJL-200 cast iron |
| Shaft | 39NiCrMo4 steel |
| Mechanical Seal faces | Tungsten carbide / Tungsten carbide |
| Elastomers | VITON |
| Check Valve | ASTM A536 ductile iron + NBR rubber flap |
| Separator | EN AC-42100 (AlSi7Mg0.3)- Aluminum |

Priming system

| Vacuum pump | |
|----------------------|-------------|
| Vacuum pump type | Diaphragm |
| Nominal air capacity | 29.6 cfm |
| Max vacuum | - 26.6 inHg |
| Drives | Link belt |

Engine

| Make | Kohler |
|-----------------------|---------------------------------|
| Model | KDI 2504TCR |
| Type | Diesel turbo common rail |
| Displacement | 2.5 Liter (151in ³) |
| No. cylinders | 4 |
| Cooling | Liquid with radiator |
| Rpm type | Variable |
| Max operating speed | 2.200 rpm |
| US emissions | EPA Tier 4F |
| Starting | Electric |
| Engine system voltage | 12 V |
| Engine Power rating | 74 HP |

Control panel

| Model | PW 750 |
|-------|--|
| | Manual operation |
| | Automatic operation: start-stop with transducers or floats |
| | FleetLink Optional |

Arrangement

| Technical data | |
|--------------------|--|
| Material | ASTM A36 steel |
| Coatings | Polyester powder, average thickness of 3 MIL |
| Features | Lifting beam, PE-Fuel tank and Fender, Sound attenuation |
| Battery | Acid charge Pb-Ca maintenance free, 12 V - 1100 CCA |
| Fuel tank capacity | 60 USG Net Volume |
| Fuel consumption | 3.5 US Gal/hr @2200 rpm @BEP |
| Dry weight | 4080 lbs |
| Wet weight | 4600 lbs |

Dimensional drawing

[in]

