# Product Reference - 8972824019

# PAS 200 HF T4F PD

# Diesel - Qmax 3,740 US gpm- Hmax 164ft



## 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 200 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 75% 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



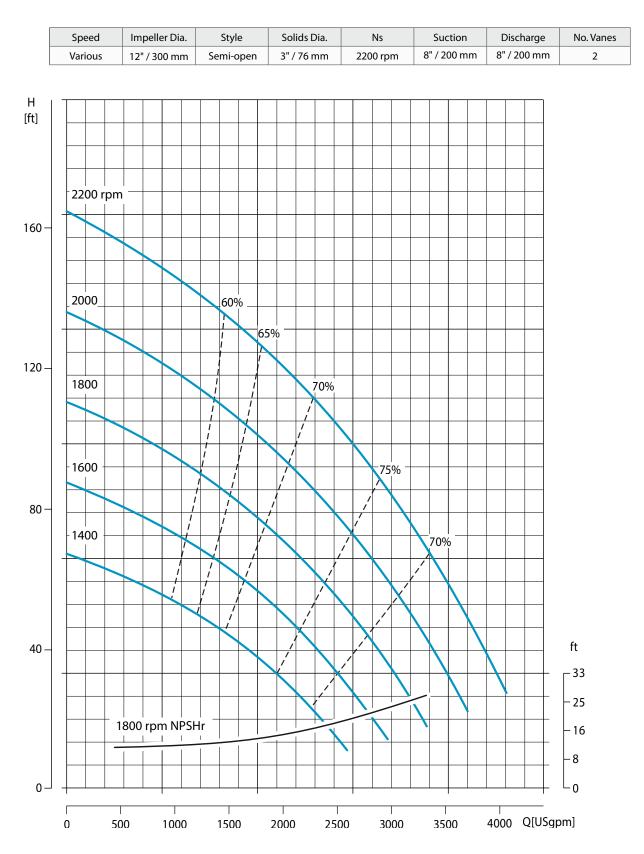


# PAS 200 HF T4F PD

# **Performance curves**

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



Keystone Clearwater Atlas Copco

# **Technical data**

### Pump

| Model                 | PAS 200HF T4F                            |
|-----------------------|--|
| Qmax                  | 3740 USgpm                               |
| Hmax                  | 164 ft                                   |
| Q max eff.            | 2900 USgpm                               |
| Eff. max              | 75 %                                     |
| Suction port          | 8" Flange - 150# ANSI                    |
| Delivery port         | 8" 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 cast 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-GJL-200 cast iron                     |

## Engine

| Lingine               |                                 |
|-----------------------|---------------------------------|
| Make                  | Perkins                         |
| Model                 | 904J-E36TA                      |
| Туре                  | Diesel turbo common rail        |
| Displacement          | 3.6 Liter (220in <sup>3</sup> ) |
| 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   | 100 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                      |
| Battery            | Acid charge Pb-Ca maintenance free,<br>12 V - 1300 CCA     |
| Fuel tank capacity | 90 USG Net Volume  |
| Fuel consumption   | 5.2 US Gal/hr @2200 rpm @BEP                               |
| Dry weight         | 4370 lbs   |
| Wet weight         | 5040 lbs   |

### **Priming system**

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

# **Dimensional drawing**

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