

PAC F66 KD-S 74HP FT4

Diesel - Qmax 2,640 USgpm - Hmax 166 ft



Indicative picture of the product

PAC Flow series

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. The PAC range is also suitable for pumping liquids with solids in suspension with best possible efficiency.

Applications

The PAC F66 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 mining and Oil & Gas segment where reliability, efficiency and versatility is the key to provide a customized solution. Other suitable applications within Construction and General dewatering, Municipal as well as General Industry are ideal for the PAC F66 pump. Atlas Copco pumps are packed with features that not only meet, but exceed the needs of our customers.

Benefits

Efficiency

The 12" impeller with 79% efficiency at B.E.P. provides best pumping result with minimal efforts

Solids handling

Closed 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

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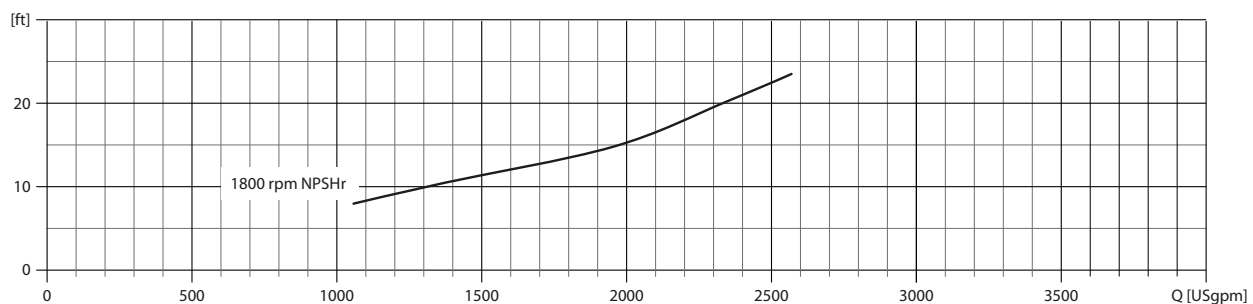
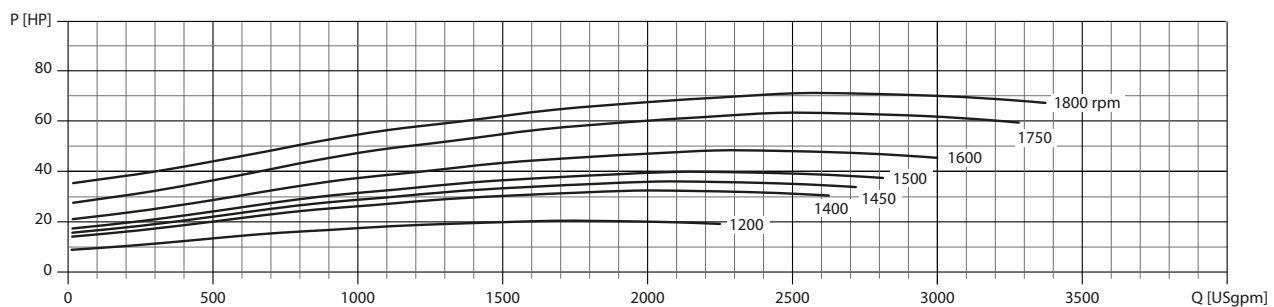
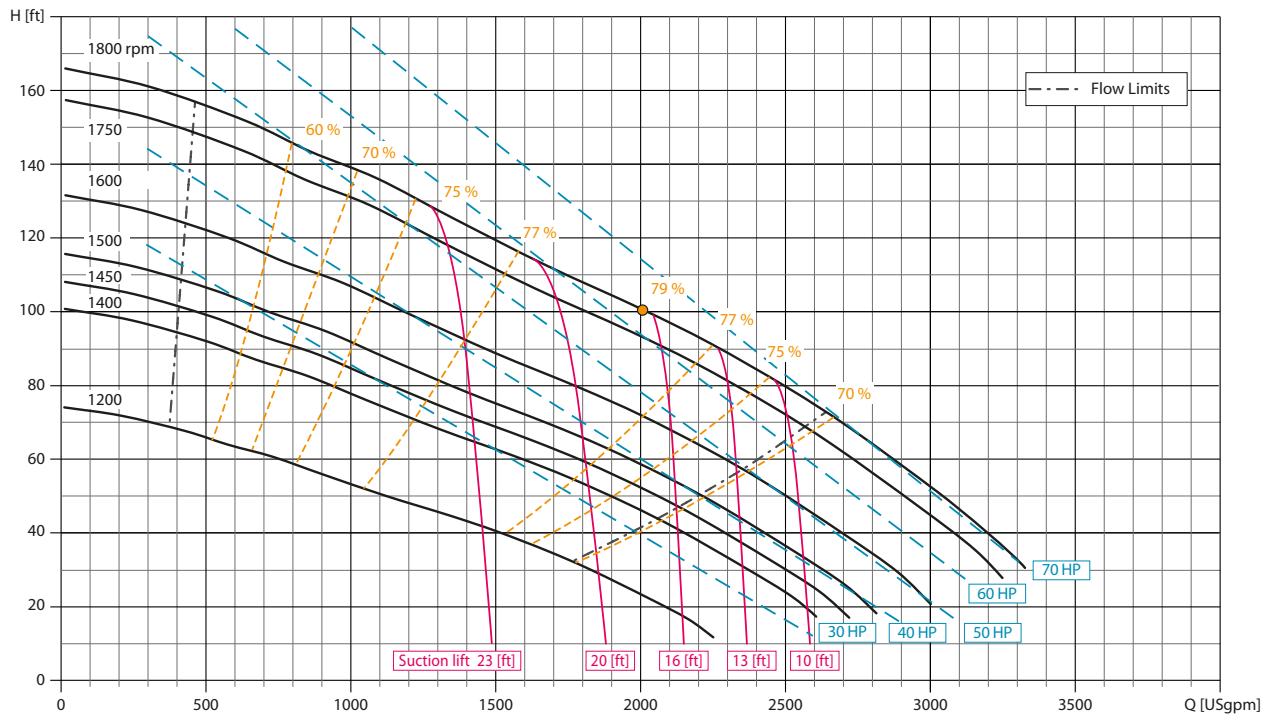
Performance curves

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

| Speed | Impeller Dia. | Style | Solids Dia. | Ns | Suction | Discharge | No. Vanes |
|---------|---------------|--------|-------------|----------|-------------|-------------|-----------|
| Various | 12" / 315 mm | Closed | 3" / 76 mm | 1800 rpm | 6" / 150 mm | 6" / 150 mm | 2 |



PAC F66 KD-S 74HP FT4

Technical data

Pump

| | |
|------------------------------|---|
| Model | PAC F66 |
| Qmax | 2,640 USgpm |
| Hmax | 166 ft |
| Q max eff. | 2,010 USgpm |
| Eff. max | 79 % |
| Suction port | 6" Flange - ANSI class 150 |
| Delivery port | 6" Flange - ANSI class 150 |
| Impeller type | Closed, 2 vane |
| Impeller diameter | 12" |
| Solids handling | 3" |
| Material | |
| Casing | ASTM A536 ductile iron |
| Impeller | ASTM A536 ductile iron |
| Wear ring | ASTM A48 Class 20 grey iron |
| Wear plate | ASTM A48 Class 20 grey iron |
| Shaft | AISI 630 stainless steel |
| Mechanical Seal faces | Silicon carbide / Silicon carbide / VITON |
| Elastomers | NBR + VITON |
| Lubrication | Grease (bearings) |
| Check Valve | ASTM A536 ductile iron + NBR rubber flap |
| Separator | Aluminium alloy |

Priming system

| | |
|-----------------------------|-------------|
| Vacuum pump | |
| Vacuum pump type | Diaphragm |
| Nominal air capacity | 50 cfm |
| Max vacuum | - 26.6 inHg |
| Drives | Link belt |

Engine

| | |
|------------------------------|----------------------------------|
| Make | Kohler |
| Model | KDI 2504 TCR |
| Type | Diesel turbo common rail |
| Displacement | 2.5 Liter (151 in ³) |
| No. cylinders | 4 |
| Cooling | Liquid with radiator |
| Rpm type | Variable |
| Max operating speed | 1800 rpm |
| US emissions | EPA Tier 4F |
| Starting | Electric |
| Engine system voltage | 12 V |
| Engine power rating | 74 HP |

Control panel

| | |
|--------------|--|
| Model | PW 9" " |
| | Manual operation |
| | Automatic operation: start-stop with transducers or floats |
| | FleetLink optional |

Arrangement

| | |
|-------------------------------|---|
| Technical data | |
| Material | ASTM A36 steel |
| Coatings | Epoxy powder, average thickness of 3 MIL |
| Features | Lifting beam. Fork lift pockets. Pump access through hinged door. Protected PE fuel tank. |
| Battery | Acid charge Pb-Ca maintenance free, 12V - 1100 CCA |
| Net Fuel tank capacity | 90 USG |
| Fuel consumption | 3.5 US Gal/hr @1800 rpm @BEP |
| Dry weight | 4,020 lbs |
| Wet weight | 4,650 lbs |

Dimensional drawing

[in]

