Product reference

PAC F66 KD 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

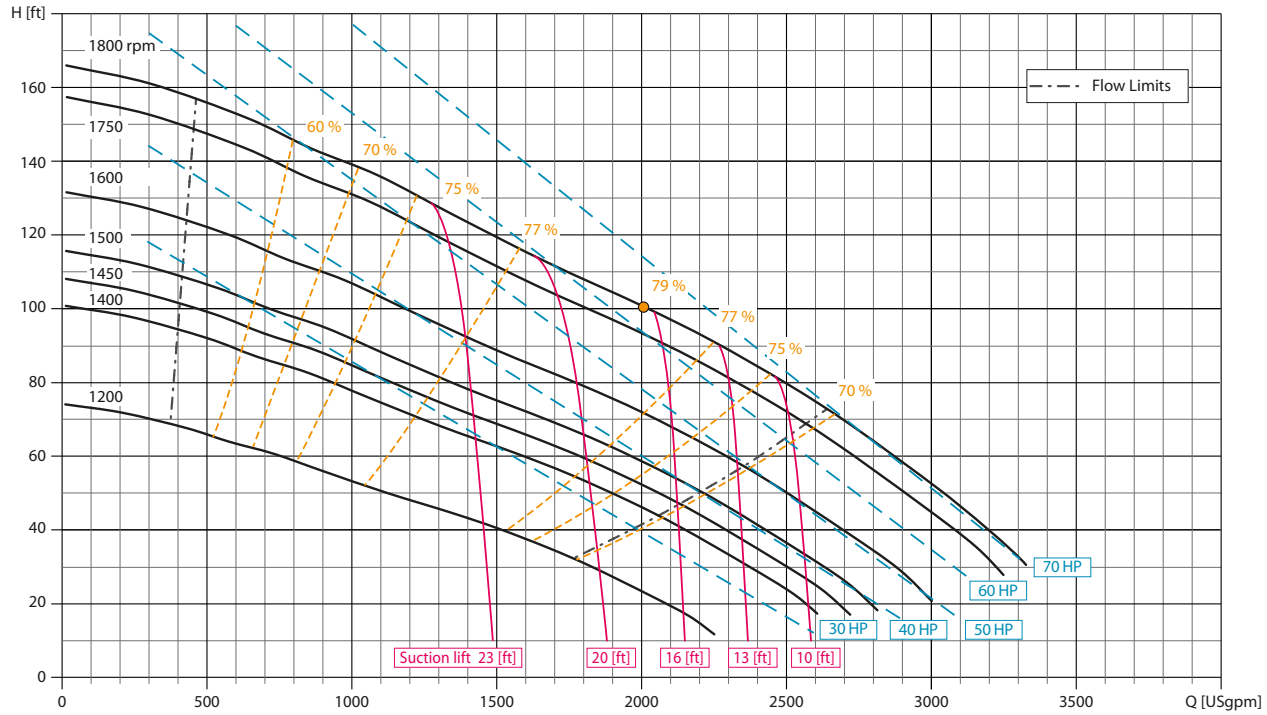
PAC F66 KD 74HP FT4

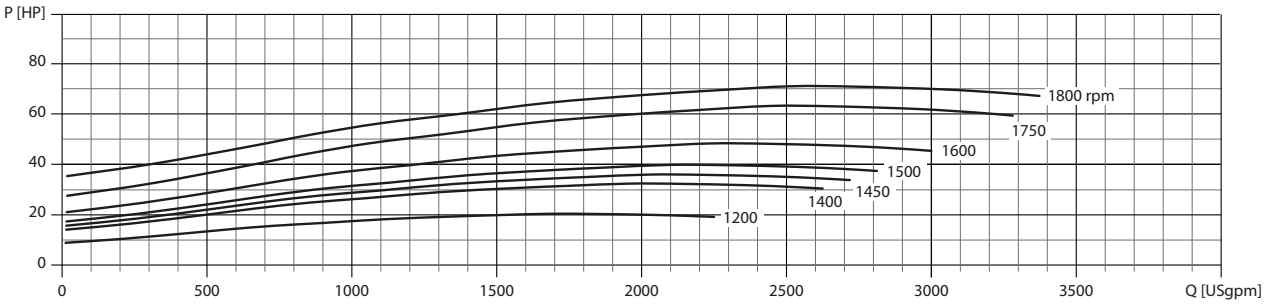
Performance curves

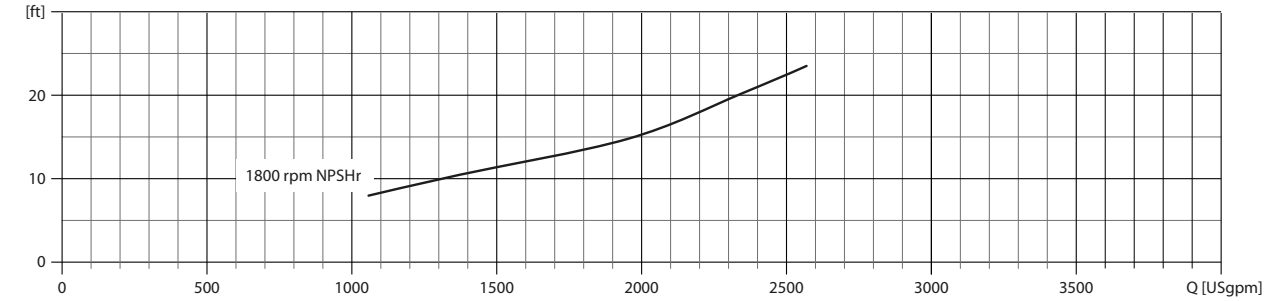
Test according to UNI EN ISO 9906 standard - level 2B
Test liquid: clean water, density 62.43 lb/ft3 (8.345 lb/gal)

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







Product reference

PAC F66 KD 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 1000
	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	3,470 lbs
Wet weight	4,100 lbs

Dimensional drawing

[in]

