

PAC SH108 JD 751HP FT4

Diesel - Qmax 3,646 USgpm - Hmax 682 ft



Indicative picture of the product

PAC Head 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. Additionally, thanks to the enclosed impeller, the PAC range is also suitable for pumping liquids with solids in suspension with best possible efficiency.

Applications

The PAC SH108 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 SH108 pump. Atlas Copco pumps are packed with features that not only meet, but exceed the needs of our customers.

Benefits

Solids handling

Closed impeller type with solids handling capability of 1.2" for trouble free operation

Serviceability

Semi cartridge seal and bolted front wear ring for easy service

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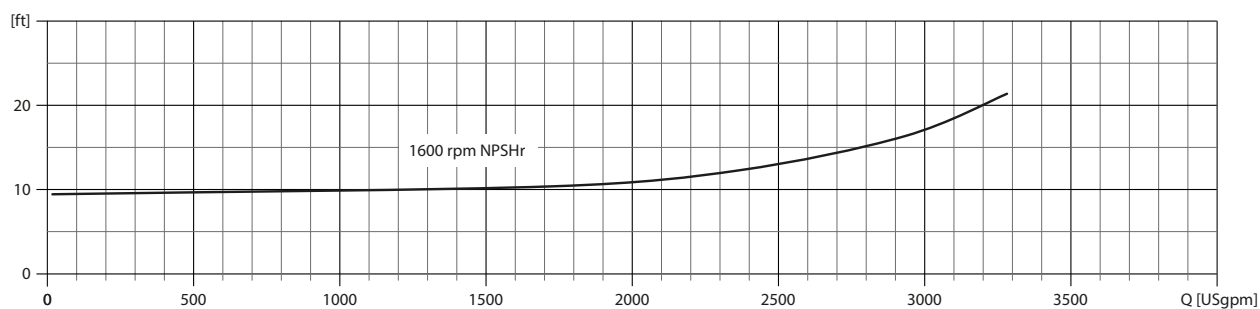
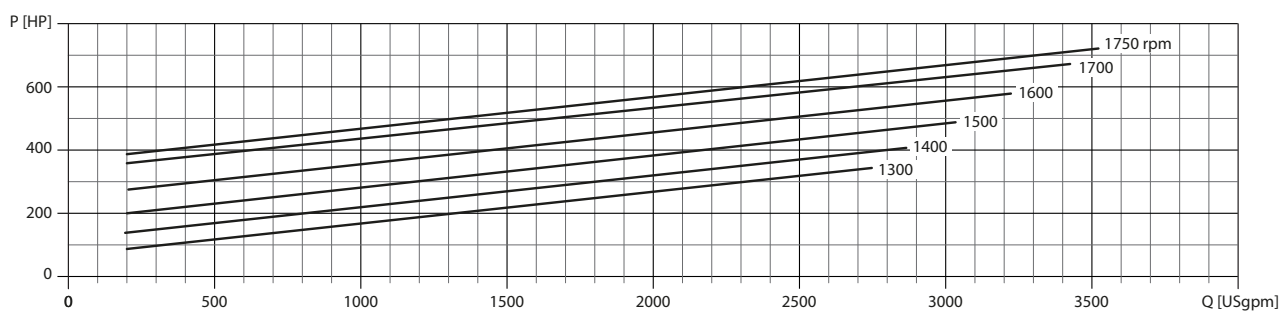
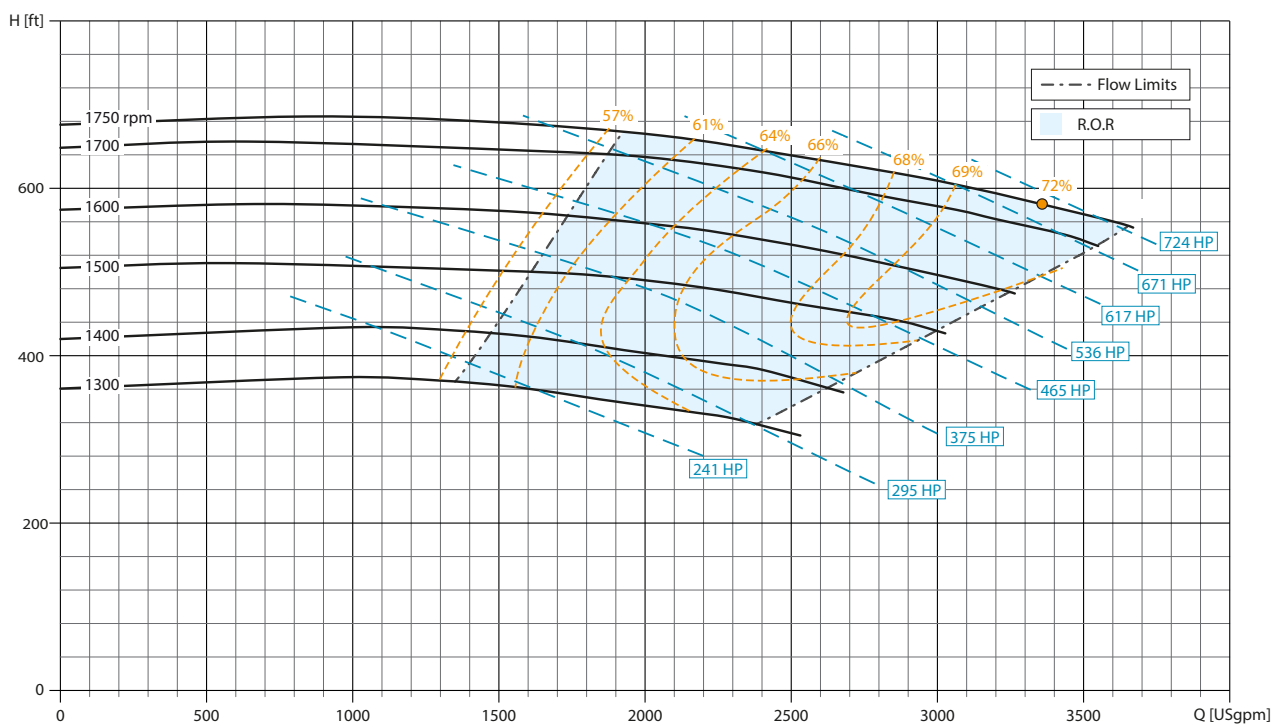
Performance curves

Test according to UNI EN ISO 9906 standard - level 2

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	25" / 636 mm	Closed	1.2" / 31 mm	1750 rpm	10" / 250 mm	8" / 200 mm	5



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Technical data

Pump

Model	PAC SH108
Qmax	3,646 USgpm
Hmax	682 ft
Q max eff.	3,360 USgpm
Eff. max	72 %
Suction port	10" Flange - ANSI class 150
Delivery port	8" Flange - ANSI class 300
Impeller type	Closed, 5 vane
Impeller diameter	25"
Solids handling	1.2"
Material	
Casing	ASTM A536 SG iron
Impeller	ASTM A743 Stainless
Wear ring	ASTM A351 Stainless
Wear plate	ASTM A351 Stainless
Shaft	ASTM A564 Stainless
Mechanical Seal faces	Silicon Carbide Vs Tungsten Carbide
Elastomers	VITON
Check Valve	ASTM A536 ductile iron + NBR rubber flap
Separator	Steel

Priming system

Vacuum pump	
Vacuum pump type	Diaphragm
Nominal air capacity	50.0 cfm
Max vacuum	- 23.6 inHg
Drives	Link belt

Engine

Make	John Deere
Model	6180CI510
Type	Diesel turbo common rail
Displacement	1096 in ³
No. cylinders	6
Cooling	Liquid with radiator
Rpm type	Variable
Max operating speed	1800 rpm
US emissions	EPA Tier 4 Final
Starting	Electric
Engine system voltage	24 V
Engine Power rating	751hp

Control panel

Model	PW 1000
	Manual operation
	Automatic operation: start-stop with transducers or floats
	FleetLink Optional

Arrangement

Technical data	
Features	Lifting beam.
Battery	Acid charge Pb-Ca maintenance free, 24V - 1100 CCA
Fuel tank capacity	475.5 USG
Fuel consumption	50.5 US Gal/hr @1,600 rpm
Dry weight	21,800 lb
Wet weight	25,000 lb

Dimensional drawing

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