

# PAC F1212 JD-S 156HP FT4

Diesel - Qmax 7,210 USgpm - Hmax 153 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 evacuates the air quickly 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 F1212 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 municipal segment where reliability, efficiency and versatility is the key to provide a customized solution. Other suitable applications within Construction and General dewatering, Oil & Gas as well as General Industry are ideal for the PAC F1212 pump. Atlas Copco pumps are packed with features that not only meet, but exceed the needs of our customers.

## Benefits

### Efficiency

The 17" impeller with 74% efficiency at B.E.P. provides best pumping result with minimal efforts

### Solids handling

Closed impeller type with solids handling capability of 3.5" for trouble free operation

### Foot print

Best in class foot print of 149" x 49" (less check valve)

### Serviceability

Large door panels for fast service

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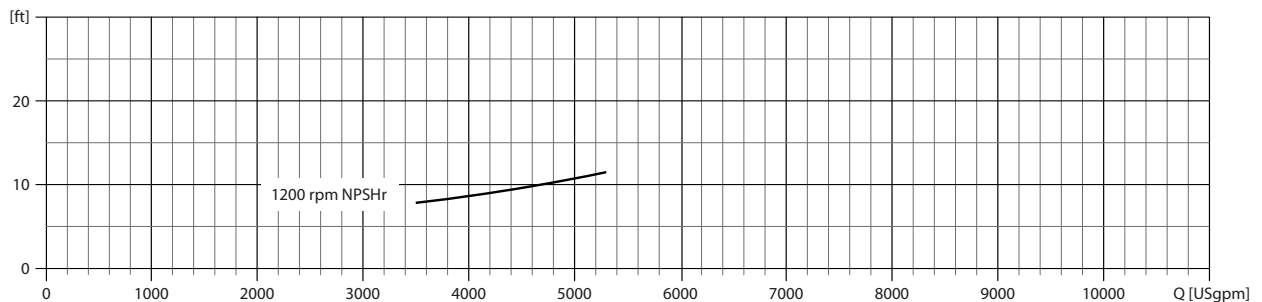
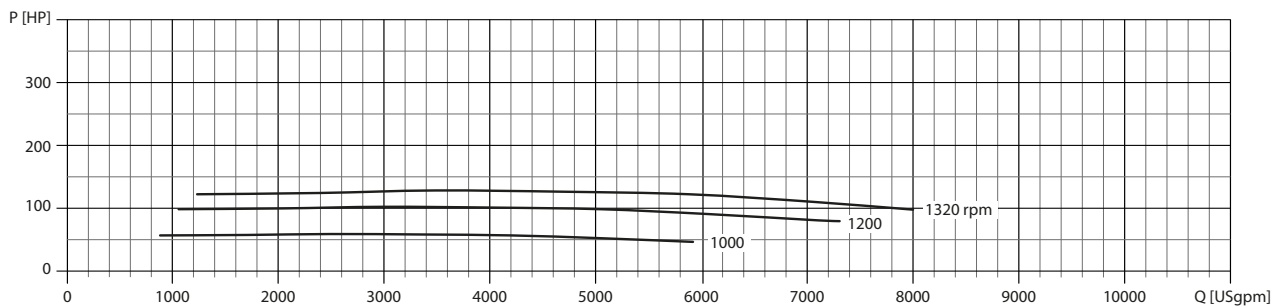
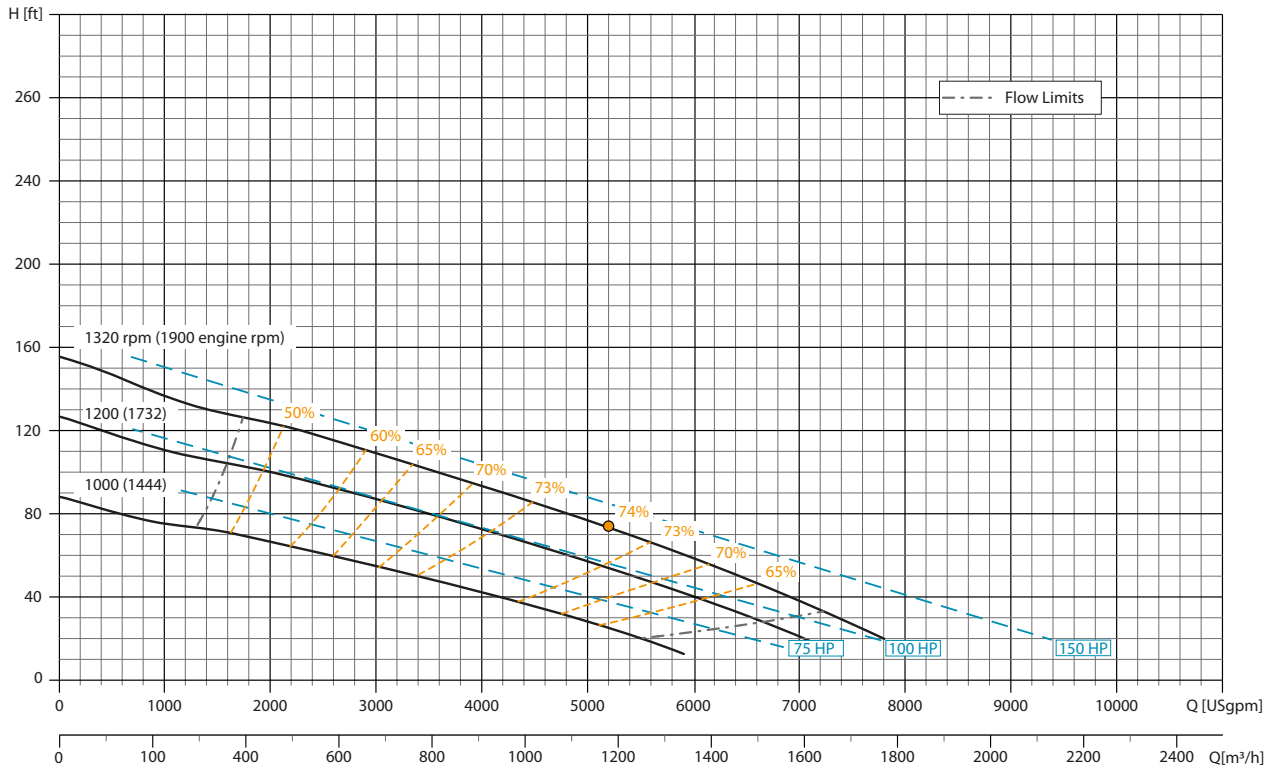
## Performance curves

Test according to UNI EN ISO 9906 standard - level 2

Losses from priming system and check valve not included

Test liquid: clean water, density 62.43 lb/ft<sup>3</sup> (8.345 lb/gal)

Speed	Impeller Dia.	Style	Solids Dia.	Ns	Suction	Discharge	No. Vanes
Various	17" / 440 mm	Enclosed	3.5" / 89 mm	1320 rpm	12" / 300 mm	12" / 300 mm	2



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## Technical data

### Pump

<b>Model</b>	PAC F1212
<b>Qmax</b>	7,210 USgpm
<b>Hmax</b>	153 ft
<b>Q max eff.</b>	5,200 USgpm
<b>Eff. max</b>	74 %
<b>Suction port</b>	12" Flange - ANSI class 150
<b>Delivery port</b>	12" Flange - ANSI class 150
<b>Impeller type</b>	Enclosed, 2 vane
<b>Impeller diameter</b>	17"
<b>Solids handling</b>	3.5"
<b>Material</b>	
<b>Casing</b>	ASTM A536 ductile iron
<b>Impeller</b>	ASTM A743 CA6NM
<b>Wear ring</b>	ASTM A48 Class 20 cast iron
<b>Shaft</b>	AISI 630 stainless steel
<b>Mechanical Seal faces</b>	Silicon carbide Vs Silicon carbide
<b>Elastomers</b>	VITON
<b>Check Valve</b>	ASTM A536 ductile iron + NBR rubber flap
<b>Separator</b>	Fabricated steel

### Priming system

<b>Vacuum pump</b>	
<b>Vacuum pump type</b>	Diaphragm
<b>Nominal air capacity</b>	50.0 cfm
<b>Max vacuum</b>	- 26.6 inHg
<b>Drives</b>	Link belt

### Gearbox

<b>Make</b>	PEM
<b>Model</b>	SR-185
<b>Ratio</b>	1.44 : 1

### Engine

<b>Make</b>	John Deere
<b>Model</b>	4045HFC06
<b>Type</b>	Diesel turbo common rail
<b>Displacement</b>	275 in <sup>3</sup>
<b>No. cylinders</b>	4
<b>Cooling</b>	Liquid with radiator
<b>Rpm type</b>	Variable
<b>Max operating speed</b>	1,900 rpm
<b>US emissions</b>	EPA Tier 4F
<b>Starting</b>	Electric
<b>Engine system voltage</b>	12 V
<b>Engine Power rating</b>	156 HP

### Control panel

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

### Arrangement

<b>Technical data</b>	
<b>Material</b>	ASTM A36 steel
<b>Coatings</b>	Epoxy powder, average thickness of 3 MIL
<b>Features</b>	Lifting beam. Fork lift pockets. Lockable doors. Soundproof canopy
<b>Battery</b>	Acid charge Pb-Ca maintenance free, 12 V - 1150 CCA
<b>Fuel tank capacity</b>	200 USG
<b>Fuel consumption</b>	7.8 US Gal/hr @1900rpm @70% eff.
<b>Dry weight</b>	8460 lbs
<b>Wet weight</b>	9975 lbs

## Dimensional drawing

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