PAC F88 PD 120HP FT4

Diesel - Qmax 3,950 USgpm - Hmax 200 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 F88 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 F88 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 82% 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



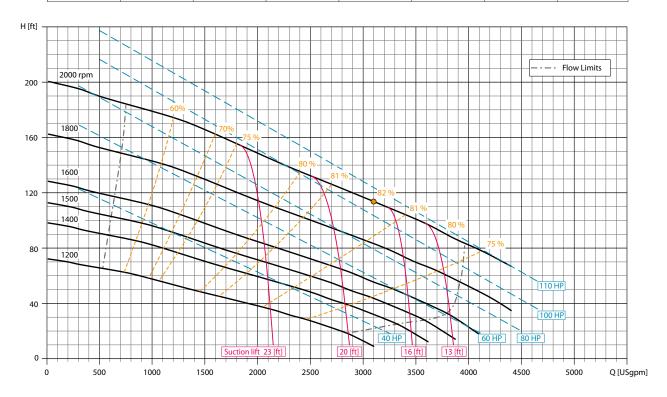
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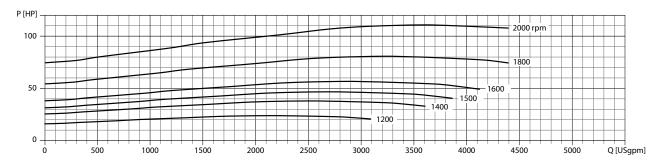
Performance curves

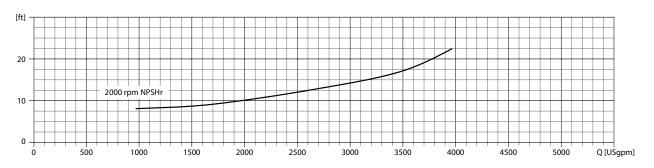
Test according to UNI EN ISO 9906 standard - level 2B Test liquid: clean water, density 62.43 lb/ft3 (8.345 lb/gal)

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	2000 rpm	8" / 200 mm	8" / 200 mm	2









PAC F88 PD 120HP FT4

Technical data

Pump

Model	PAC F88		
Qmax	3,950 USgpm		
Hmax	200 ft		
Q max eff.	3,100 USgpm		
Eff. max	82 %		
Suction port	8" Flange - ANSI class 150		
Delivery port	8" 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	Perkins
Model	904J-E36TA
Type	Diesel turbo common rail
Displacement	221 in ³
No. cylinders	4
Cooling	Liquid with radiator
Rpm type	Variable
Max operating speed	2000 rpm
US emissions	EPA Tier 4F
Starting	Electric
Engine system voltage	12 V
Engine power rating	120 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	Epoxy powder, average thickness of 3 MIL	
Features	Lifting beam. Fork lift pockets. Pump access through hinged door. PE fuel tank.	
Battery	Acid charge Pb-Ca maintenance free, 12V - 1100 CCA	
Fuel tank capacity	90 USG	
Fuel consumption	5.2 US Gal/hr @2000 rpm @BEP	
Dry weight	4,530 lbs	
Wet weight	5,200 lbs	

Dimensional drawing

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