

PAS 200HF 303 FZD67

Diesel - Qmax 264 l/s - Hmax 53 m



Indicative picture of the product

PAS HF - Vacuum prime centrifugal pumps

The pump system consists of a centrifugal pump and a vacuum pump - making automatic priming possible. The machine quickly removes the air from the suction pipe and begins to pump, even at suction heights of several metres. The PAS MF series is also appropriate for pumping liquids with suspended solids because of the semi-open impeller.

Applications

Both Atlas Copco and Varisco have decades of experience in designing and producing pumps. We have put those years of expertise into providing solutions that work across multiple applications. The PAS HF (high flow) range is packed with features that not only meet, but exceed the needs of the market. We are focused on an efficient, extremely versatile pump that is suitable for many industries, including construction, general dewatering and emergency applications, such as flood clean up.

Benefits

Pump

High efficiency: 83%(B.E.P)

Rapid "dry" priming

Up to a height of 7,5 m (24.6 ft)

High resistance

To abrasive liquids and turbid sandy waters

Semi-open impeller

Solids handling up to 76 mm (3")

Diaphragm vacuum pump

Oil free suitable for dry running: no contamination of the environment

Mechanical shaft seal in oil bath

It allows the "dry running" operation of the pump

Wear plate

Cast iron or stainless steel (F11) wear plate, that is easily replaceable

Easy maintenance

Hinged cover for direct access to the impeller (without lifting devices). Link belt quick to replace on the field.

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Performance curves

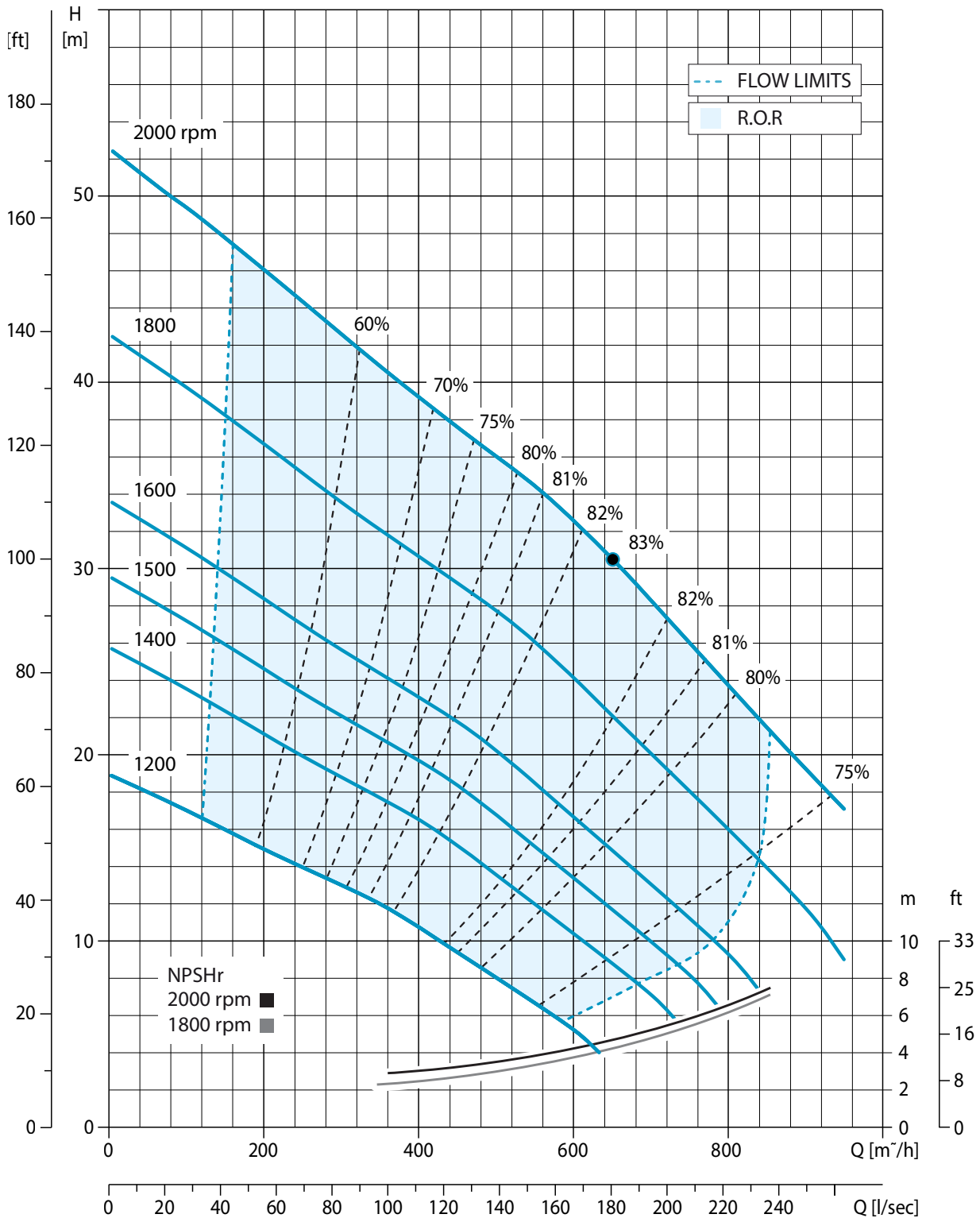
Test according to UNI EN ISO 9906 standard - level 2

Test liquid: clean water, density 1,000 kg/m³

Losses from priming system and check valve not included

Spherical solids handling: D.76 mm (3")

Max absorbed power: 65kW - 87 HP (2.000 rpm)



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Technical data

Pump

Model		PAS 200HF	
Qmax	264 l/s - 950 m ³ /h (4180 Usgpm)		
Hmax	53 m (174 ft)		
Q max eff.	181 l/s - 651 m ³ /h (4180 Usgpm)		
Eff. max	83%		
Suction port	Flanged - 200 TABLE E (AS 2129)		
Delivery port	Flanged - 200 TABLE E (AS 2129)		
Impeller type	Semi-Open, 2 vane		
Solids handling	76 mm (3.0 ")		
Material	G11	F11	
Casing	EN-GJL-200 cast iron	EN-GJL-200 cast iron	
Impeller	EN-GJS-500 ductile iron	CF8M stainless steel	
Wear plates	EN-GJL-200 cast iron	CF8M stainless steel	
Number of plates	1	1	
Shaft	39NiCrMo4 steel	39NiCrMo4 steel	
Mechanical seal	Tungsten carbide / Tungsten carbide	Tungsten carbide / Tungsten carbide	
Elastomers	VITON	VITON	

Priming system

Vacuum pump		V22	
Vacuum pump type	Diaphragm		
Nominal air capacity	85 m ³ /h (50.0 cfm)		
Max vacuum	0,9 bar		
Separator type	Atlas Copco		
Separator material	EN-GJL-200 cast iron		
Drives	Link belt		

Engine

Make		Deutz		
Model	TCD 3.6 L4 (ZD67)			
Type	Diesel turbo common rail			
Displacement	3.600 cm ³ (220 in ³)			
No. cylinders	4			
Cooling	Liquid with radiator			
Rpm type	Variable			
Standard speed	2.000 rpm			
US emissions	EPA Tier 3			
Starting	Electric			
Starting voltage	24 V			
Speed [rpm]	1400	1600	1800	2000
Consumption [l/h]	8,2	10,9	15,2	19,5
Power [kW]	23,5	35,5	50	67,8
Power [HP]	31,5	47,8	67,1	91

Control panel

Model	PWK37
Manual operation: start, stop	
Automatic operation: start-stop with floats	
Digital display with 2 languages (EN, CN) with:	
Hour meter, Rev counter, Liquid temperature, Oil pressure	
Battery voltmeter, Fuel level (%)	
Engine control unit (ECU) commands shutdown, derating or running depending on operating anomalies	
Automatic engine shutdown in case of:	
- low oil pressure	
- water overheating	
- low battery voltage	
(engine failure alarms with LED lights and display message)	
Service time (hours)	
Emergency stop button	
Push-button accelerator (up/down)	
(PW1 FleetLink control as option)	

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Arrangements

Technical data

Material	S235JR EN 10025-2 carbon steel
Coatings	Polyester powder, average thickness of 80 µm
Color	Yellow and grey Atlas Copco (standard)
Battery	Acid charge Pb-Ca maintenance free 12 V - 100 Ah - 400 A
Tank	320 l (84.5 USG)

PAS 200HF 303 CNP



Dimensions	1230 x 2750 x 1830 mm
Dry weight (KL38)	2150 kg
Noise level	63-68 dB(A) @10 m

PAS 200HF 303 SKID



Dimensions	1315 x 2930x 2060 mm
Dry weight (KL38)	1120 kg
Noise level	75-80 dB(A) @10 m

Specification is subject to change without prior notice. Please check with your local Atlas Copco representative for the latest specifications.

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