VAR 6-250 FZD51 TRAILER

Diesel - Qmax 360 m³/h (1,585 USgpm) - Hmax 27,5 m (90 ft)

Indicative picture of the product

VAR - Self-priming centrifugal pumps

These self-priming centrifugal pumps are for applications where the main feature is the difficulty in priming. Even with suction heights of several meters the machine quickly evacuates the air from the suction pipe and starts pumping. Additionally, thanks to the semi-open impeller, the VAR range is also suitable for pumping liquids with solids in suspension.

Applications

Both Atlas Copco and Varisco have decades of experience in designing and producing pumps. We have put those years of expertize into providing a solutions portfolio that works across multiple applications. The VAR 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

Rapid self-priming
Without foot valve up to a height of 7.5 m (24.5 ft)

High resistance
To abrasive liquids and turbid sandy waters

Semi-open impeller
Solids handling up to 76 mm (3")

Easy maintenance
Removable front cover for direct access to the impeller

Wear plates
Cast iron (G11 rubber lined) or stainless steel wear plates, that are easily replaceable
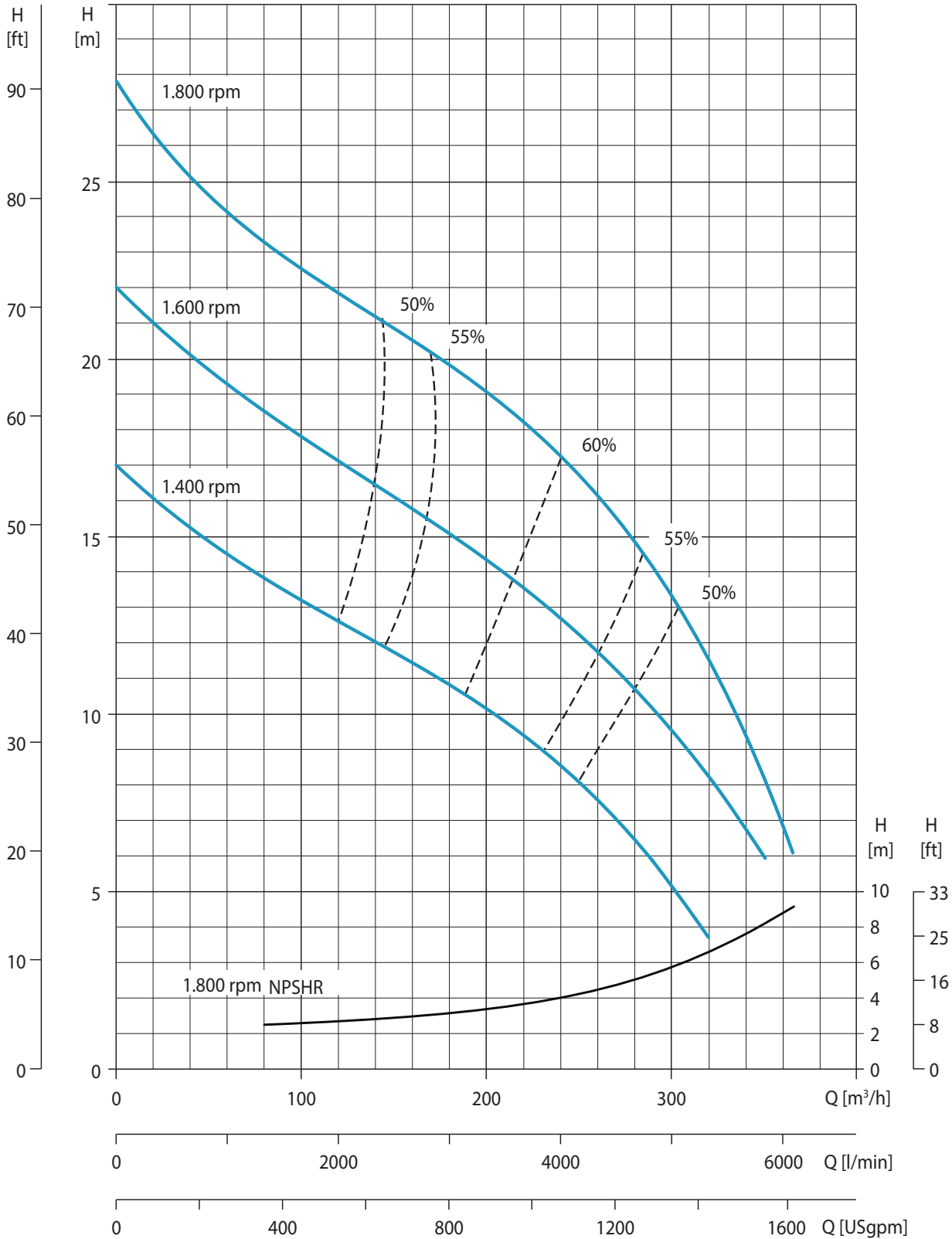
VAR 6-250 FKL10 TRAILER

Performance curves

Test according to UNI EN ISO 9906 standard - level 2
Test liquid: clean water, density 1,000 kg/m³
Spherical solids handling: D.76 mm (3")

Priming time: 17 s from 1,5 m (4.9 ft)
Max absorbed power: 19,0 kW - 25.5 HP (1.800 rpm)

VAR 6-250 FKL10 TRAILER

Technical data

Pump

Model	VAR 6-250	
Qmax	360 m³/h – 6.000 l/min (1,585 USgpm)	
Hmax	27,5 m (90 ft)	
Q max eff.	260 m³/h - 4.330 l/min (1,100 USgpm)	
Eff. max	60 %	
Suction port	Flanged - DN 150 D.I. 1882 (6")	
Delivery port	Flanged - DN 150 D.I. 1882 (6")	
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-400 ductile iron	CF8M stainless steel
Wear plates	EN-GJL-200 rubber lined cast iron	CF8M stainless steel
Number of plates	2	2
Shaft	39NiCrMo3 steel	SAF 2205 stainless steel
Flushing	Yes	Yes
Mechanical seal	Silicon carbide / Silicon carbide	Silicon carbide / Silicon carbide
Elastomers	NBR	VITON

Engines

Make	Kohler			
Model	KDI 1903M (KL10)			
Type	Diesel direct injection, aspirated			
Displacement	1.861 cm³ (114 in³)			
No. cylinders	3			
Cooling	Liquid with radiator			
Rpm type	Variable			
Standard speed	1.800 rpm			
EU emissions	2002/88/CE Stage IIIA			
US emissions	EPA Tier 3			
Starting	Electric			
Starting voltage	12 V			
Oil change interval	500 h			
Market	UE			
Speed [rpm]	**1200**	**1400**	**1600**	**1800**
Consumption [l/h]	3,5	4,4	5,1	5,4
Power [kW]*	13,5	17,6	20,3	21,6
Power [HP]	18.1	23.6	27.2	29

* continuous power ISO 3046 ICXN

Control panel

Model	PW 250
	Manual operation
	Automatic operation: start-stop with transducers or floats
	Digital display with 6 languages (EN, SV, FR, DE, ES, IT) with: Hour meter, Rev counter,
	Battery voltmeter, Fuel level (%)
	Automatic engine shutdown in case of: - low oil pressure - engine overheating - low battery voltage (engine failure alarms with LED lights and display message)
	Emergency stop button
	Throttle rod

Atlas Copco

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Arrangement

Technical data	
Material	S275JR EN 10025-2 carbon steel
Coatings	Epoxy powder, average thickness of 80 μm
Color	Yellow and grey Atlas Copco (standard)
Features	Modular and demountable framework; hot dip galvanised lifting beam. Mudguards with galvanised steel walkable surface. Tow bar, adjustable support feet. Lockable battery box. Fuel level indicator.
Battery	Acid charge Pb-Ca maintenance free 12 V - 100 Ah - 400 A
Tank	300 l (79.3 USG)
Locking keys	Fuel cap

TRAILER VAR 6-250

Dimensions	1410 x 2330 x 1880 mm
	56 x 92 x 74 "
H suction port	1,17 m (3.8 ft)
Dry weight	930 kg (2,050 lb)

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