

VAR 2-100

Gasoline - Qmax 34 m³/h (150 USgpm) - Hmax 22,5 m (74 ft)



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 expertise 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 17 mm (0.7")

Easy maintenance

Removable front cover for direct access to the impeller

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Performance curves

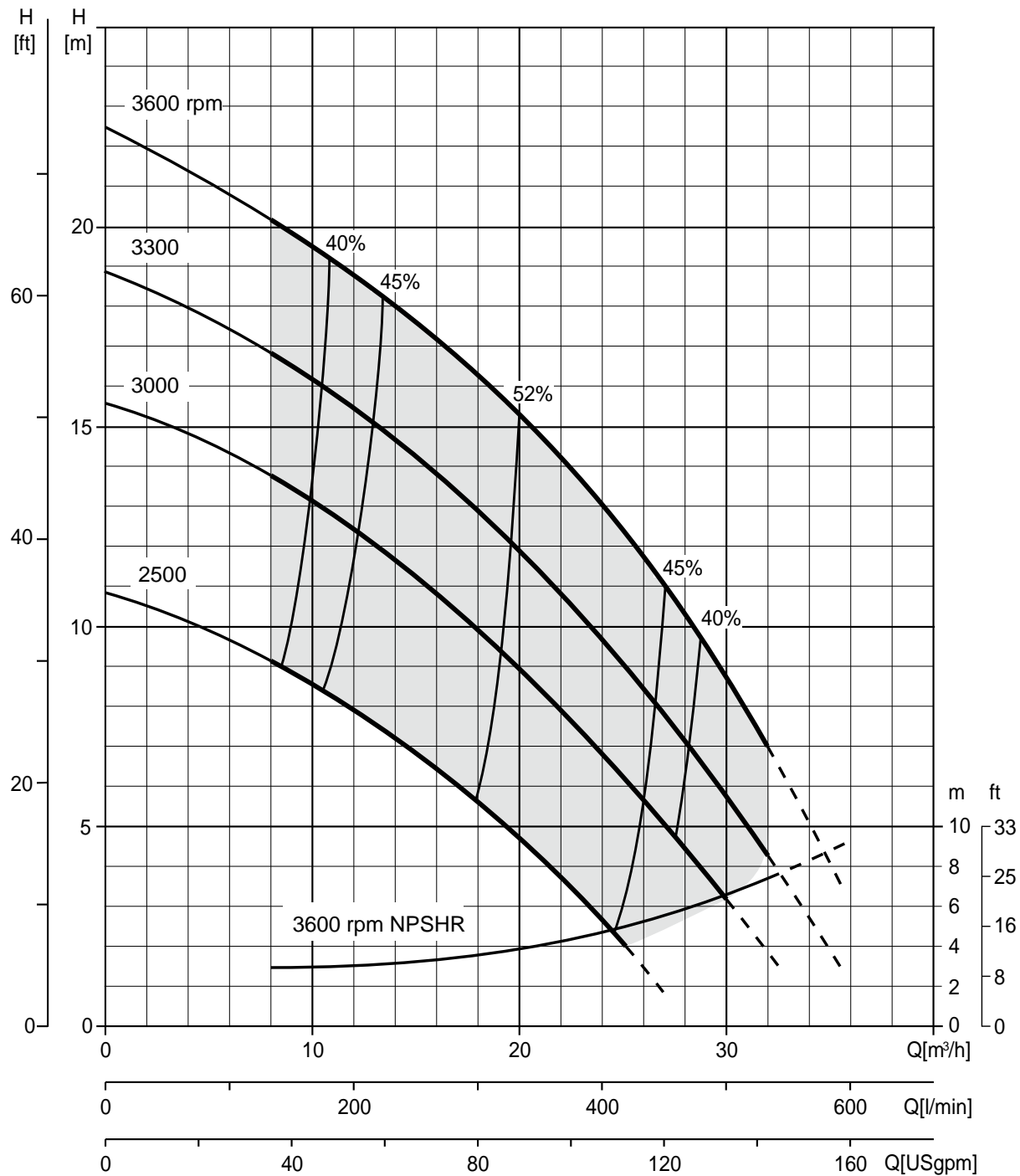
Test according to UNI EN ISO 9906 standard - level 2

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

Spherical solids handling: D.17 mm (0.7")

Priming time: 16 s from 1,5 m (4.9 ft)

Max absorbed power: 1,7 kW - 2.3 HP (3.600 rpm)



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Technical data

Pump

Model	VAR 2-100	
Q _{max}	34 m ³ /h - 570 l/min (100 USgpm)	
H _{max}	22,5 m (74 ft)	
Q max eff.	20 m ³ /h - 330 l/min (100 USgpm)	
Eff. max	52 %	
Suction port	Threaded - 2" BSP	
Delivery port	Threaded - 2" BSP	
Impeller type	Semi-Open, 3 vane	
Solids handling	17 mm (0.7 ")	
Material	G30	G10
Casing	EN-GJL-200 cast iron	EN-GJL-200 cast iron
Impeller	EN-GJL-200 cast iron	EN-GJL-200 cast iron
Shaft	C45 steel	C45 steel
Mechanical seal	Graphite / Silicon carbide	Silicon carbide / Silicon carbide
Elastomers	NBR	NBR

Engines

Make	Honda				
Model	GX120 (HD01)				
Type	Gasoline - aspirated				
Displacement	118 cm ³ (7 in ³)				
No. cylinders	1				
Cooling	Air				
Rpm type	Variable				
Standard speed	3.600 rpm				
EU emissions	N/Em				
Starting	Recoil				
Oil change interval	100 h				
Speed [rpm]	2000	2500	3000	3300	3600
Consumption [l/h]	0,7	0,8	0,8	0,9	1
Power [kW]	1,2	1,5	1,9	2	2,1
Power [HP]	1.6	2	2.5	2.7	2.8

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Arrangements

Technical data	
Material	S275JR EN 10025-2 carbon steel
Coatings	Bicomponent, average thickness of 80 µm
Color	Yellow and grey Atlas Copco (standard)
Features	Carrying frame with galvanised steel frame
Tank	2 l (0.5 USG)

VAR 2-100 B LIFT - R



Dimensions	350 x 495 x 515 mm 14 x 19 x 20 "
H suction port	0,19 m (0.6 ft)
Weight (HD01)	28 kg (60 lb)

VAR 2-100 B TROLLEY - R



Dimensions	610 x 765 x 980 mm 24 x 30 x 39 "
H suction port	0,43 m (1.4 ft)
Weight (HD01)	36 kg (80 lb)