

# VAR 4-100

**TECHBUD**

Gasoline - Qmax 130 m<sup>3</sup>/h (570 USgpm) - Hmax 24 m (79 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 38 mm (1.5")

### Easy maintenance

Removable front cover for direct access to the impeller

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## Performance curves

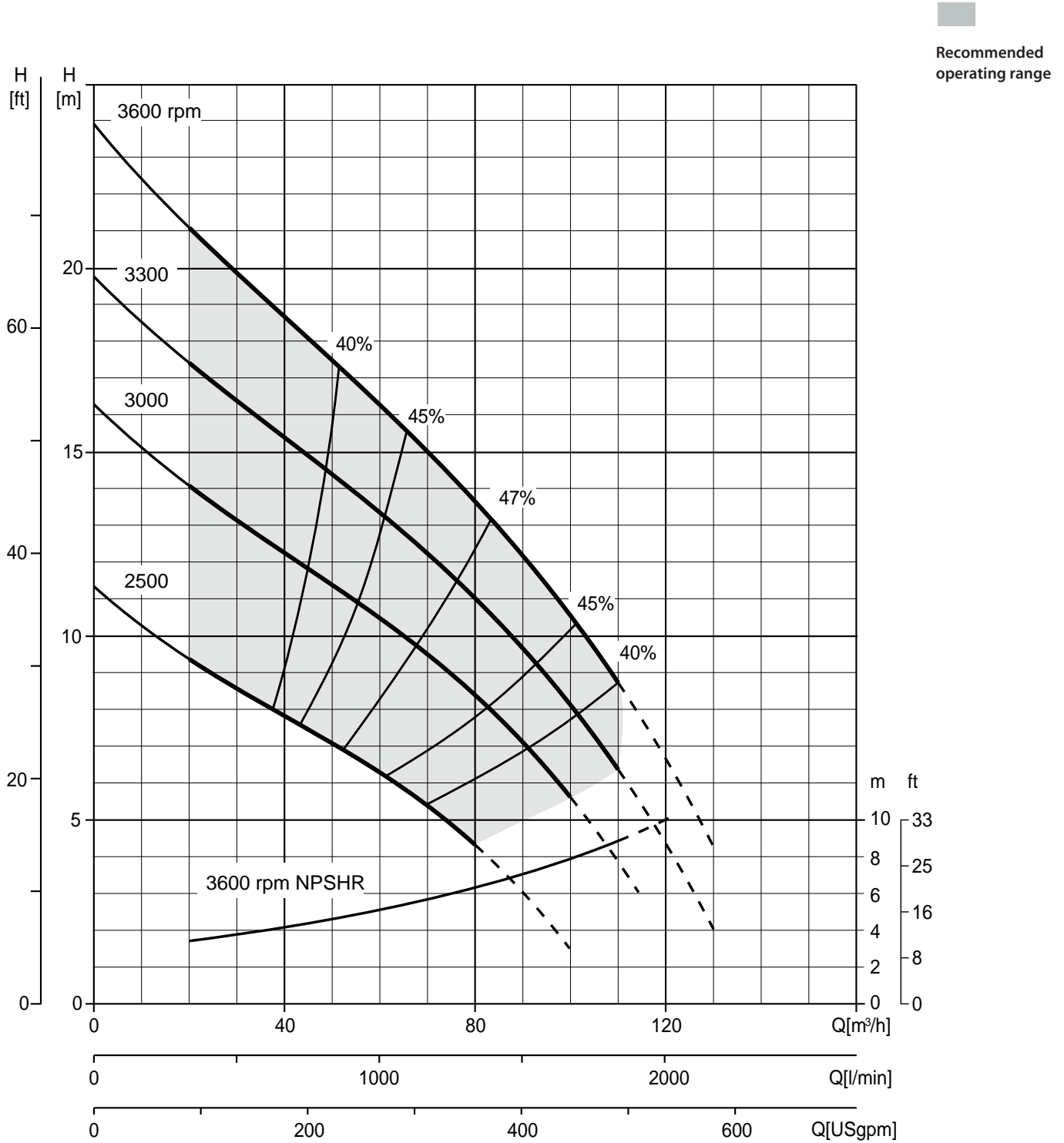
Test according to UNI EN ISO 9906 standard - level 2

Test liquid: clean water, density 1,000 kg/m<sup>3</sup>

Spherical solids handling: D.38 mm (1.5")

Priming time: 20 s from 1,5 m (4.9 ft)

Max absorbed power: 7,2 kW - 9.7 HP (3.600 rpm)



# VAR 4-100

## Technical data

### Pump

<b>Model</b>	VAR 4-100
<b>Qmax</b>	130 m <sup>3</sup> /h - 2.170 l/min (600 USgpm)
<b>Hmax</b>	24 m (79 ft)
<b>Q max eff.</b>	84 m <sup>3</sup> /h - 1.400 l/min (400 USgpm)
<b>Eff. max</b>	47 %
<b>Suction port</b>	Threaded - 4" BSP
<b>Delivery port</b>	Threaded - 4" BSP
<b>Impeller type</b>	Semi-Open, 3 vane
<b>Solids handling</b>	38 mm (1.5 ")
<b>Material</b>	G10
<b>Casing</b>	EN-GJL-200 cast iron
<b>Impeller</b>	EN-GJL-200 cast iron
<b>Shaft</b>	C45 steel
<b>Mechanical seal</b>	Silicon carbide / Silicon carbide
<b>Elastomers</b>	NBR

### Engines

<b>Make</b>	Kohler				
<b>Model</b>	CH440 (KL03)				
<b>Type</b>	Gasoline - aspirated				
<b>Displacement</b>	429 cm <sup>3</sup> (26 in <sup>3</sup> )				
<b>No. cylinders</b>	1				
<b>Cooling</b>	Air				
<b>Rpm type</b>	Variable				
<b>Standard speed</b>	3.600 rpm				
<b>EU emissions</b>	N/Em				
<b>Starting</b>	Recoil				
<b>Oil change interval</b>	100 h				
<b>Speed [rpm]</b>	<b>2000</b>	<b>2500</b>	<b>3000</b>	<b>3300</b>	<b>3600</b>
<b>Consumption [l/h]</b>	3	3,7	4,4	4,8	5,3
<b>Power [kW]</b>	5,5	7	8,3	8,7	9
<b>Power [HP]</b>	7.4	9.4	11.1	11.7	12.1

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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	7 l (1.8 USG)

VAR 4-100 B LIFT - R



Dimensions	415 x 840 x 410 mm
	16 x 33 x 16 "
H suction port	0,23 m (0.8 ft)
Weight (KL03)	73 kg (160 lb)

VAR 4-100 B TROLLEY - R



Dimensions	610 x 920 x 700 mm
	24 x 36 x 28 "
H suction port	0,43 m (1.4 ft)
Weight (KL03)	99 kg (220 lb)

AUTORYZOWANY PARTNER:

**TECHBUD**

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