

# VAR 6-250 FHT48 S5 SKID

Diesel - Qmax 340 m<sup>3</sup>/h (1,500 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 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 "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 50 mm (2")

### Rotary vane vacuum pump

Lubricated with oil recovery system and coalescing filters: no contamination of the environment

### Wear plate

Cast iron rubber lined wear plates, that are easily replaceable

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## Performance curves

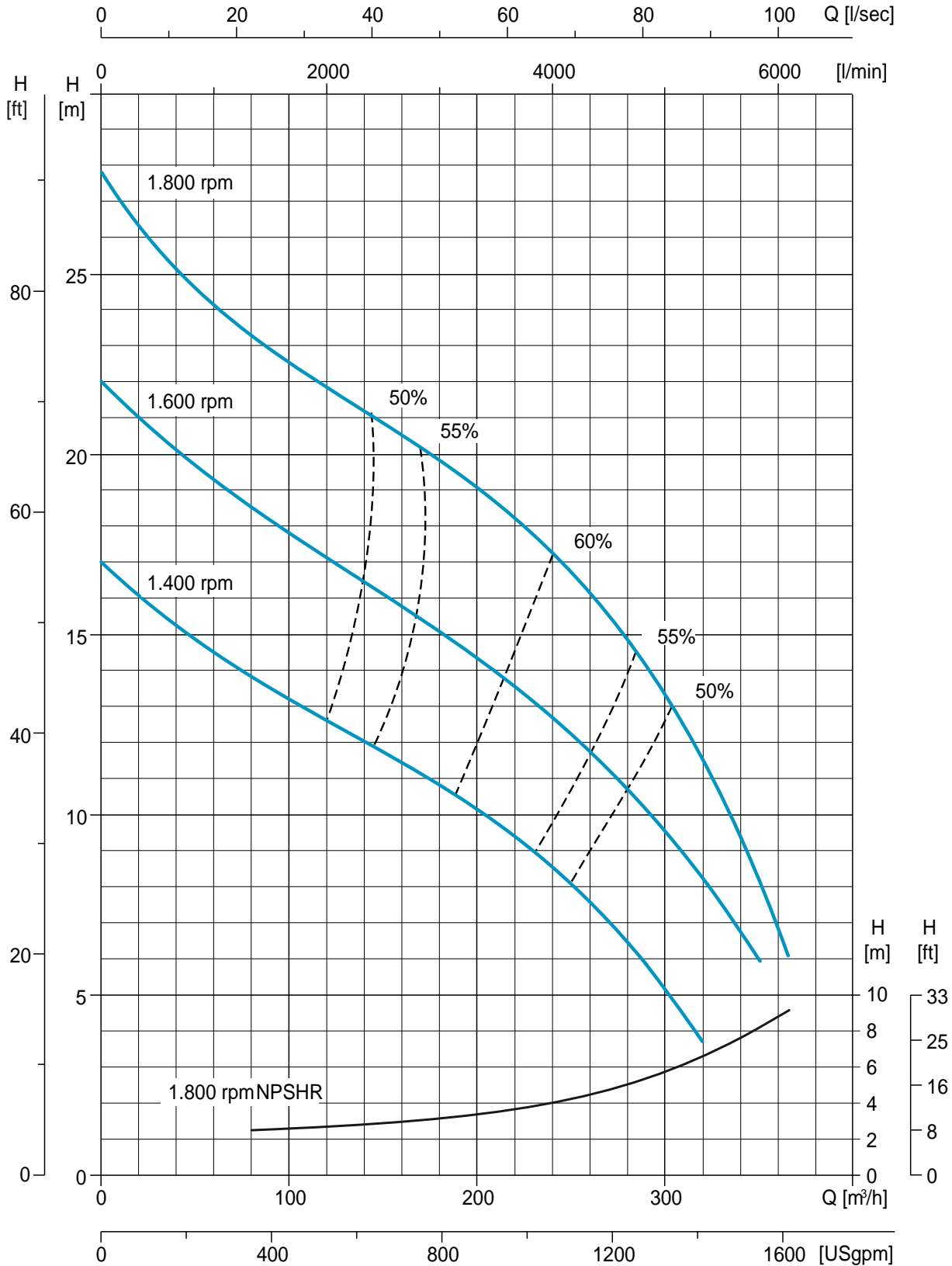
Test according to UNI EN ISO 9906 standard - level 2

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

Losses from priming system and check valve not included

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

Max absorbed power: 19,0 kW - 25.5 HP (1.800 rpm)



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## Technical data

### Pump

<b>Model</b>	VAR 6-250	
<b>Qmax</b>	340 m <sup>3</sup> /h - 5.670 l/min (1,500 USgpm)	
<b>Hmax</b>	27,5 m (90 ft)	
<b>Q max eff.</b>	250 m <sup>3</sup> /h - 4.170 l/min (1,100 USgpm)	
<b>Eff. max</b>	60 %	
<b>Suction port</b>	Flanged - DN 150 D.I. 1882 (6")	
<b>Delivery port</b>	Flanged - DN 150 D.I. 1882 (6")	
<b>Impeller type</b>	Semi-Open, 2 vane	
<b>Solids handling</b>	76 mm (3.0 ")	
<b>Material</b>	<b>G11</b>	<b>F11</b>
<b>Casing</b>	EN-GJL-200 cast iron	EN-GJL-200 cast iron
<b>Impeller</b>	EN-GJS-400 ductile iron	CF8M stainless steel
<b>Wear plates</b>	EN-GJL-200 rubber lined cast iron	CF8M stainless steel
<b>Number of plates</b>	2	2
<b>Shaft</b>	39NiCrMo3 steel	SAF 2205 stainless steel
<b>Flushing</b>	Yes	Yes
<b>Mechanical seal</b>	Silicon carbide / Silicon carbide	Silicon carbide / Silicon carbide
<b>Elastomers</b>	NBR	VITON

### Engine

<b>Make</b>	<b>Hatz</b>			
<b>Model</b>	3H50T (FHT48)			
<b>Type</b>	Diesel direct injection with turbocharger			
<b>Displacement</b>	1.464 cm <sup>3</sup> (89.3 in <sup>3</sup> )			
<b>No. cylinders</b>	3			
<b>Cooling</b>	Liquid with radiator			
<b>Rpm type</b>	Variable			
<b>Standard speed</b>	1.800 rpm			
<b>EU emissions</b>	2002/88/CE Stage V			
<b>Starting</b>	Electric			
<b>Starting voltage</b>	12 V			
<b>Speed [rpm]</b>	<b>1200</b>	<b>1400</b>	<b>1600</b>	<b>1800</b>
<b>Consumption [l/h]</b>	3,5	4,4	5,2	5,2
<b>Power [kW]</b>	13,5	17,6	18,4	18,4
<b>Power [HP]</b>	18,1	23,6	24,7	24,7

### Control panel

<b>Model</b>	<b>PW500</b>
	Manual operation
	Automatic operation: start-stop with transducers or floats
	Digital display with 6 languages (IT, EN, FR, DE, ES, PT) with:
	Hour meter, Rev counter, Liquid temperature, Oil pressure
	Battery voltmeter, Fuel level (%)
	Automatic engine shutdown in case of:
	- low oil pressure
	- water overheating
	- low battery voltage
	(engine failure alarms with LED lights and display message)
	Emergency stop button
	Push-button accelerator (up/down)

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## Arrangement

### Technical data

Material	S275JR EN 10025-2 carbon steel
Coatings	Polyester powder, average thickness of 80 µm
Color	Yellow and grey Atlas Copco (standard)
Features	Painted steel base. Hot dip galvanised steel skid and lifting beam. 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

### SKID02 VAR 6-250



Dimensions	1070 x 2220 x 1670 mm 42 x 87 x 66 "
H suction port	0,96 m (3.1 ft)
Dry weight	1060 kg (2,340 lb)