



TECH-POMPES

Les pompes du process
et de l'assainissement



RÉPARATION



VENTE



LOCATION

de pompes et systèmes de pompage

Nos différentes gammes selon vos besoins :



Pompe à engrenage interne



Pompe centrifuge



Pompe à engrenages externes



Pompe à membranes
(pneumatique ou électrique)



Pompe péristaltique



Pompe doseuse



Pompe multicellulaire



Motopompe de chantier



Pompe à piston excentré



Pompe de relevage



Agitateur



Pompe de forage

VAR 3-140 MKL51 TROLLEY

Diesel - Qmax 110 m³/h (480 USgpm) - Hmax 34 m (112 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 solutions that work 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 28 mm (1.1")

Easy maintenance

Removable front cover for direct access to the impeller

Wear plate

Cast iron (G10 rubber lined) or stainless steel wear plate, that is easily replaceable

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VAR 3-140 MKL51 TROLLEY

Performance curves

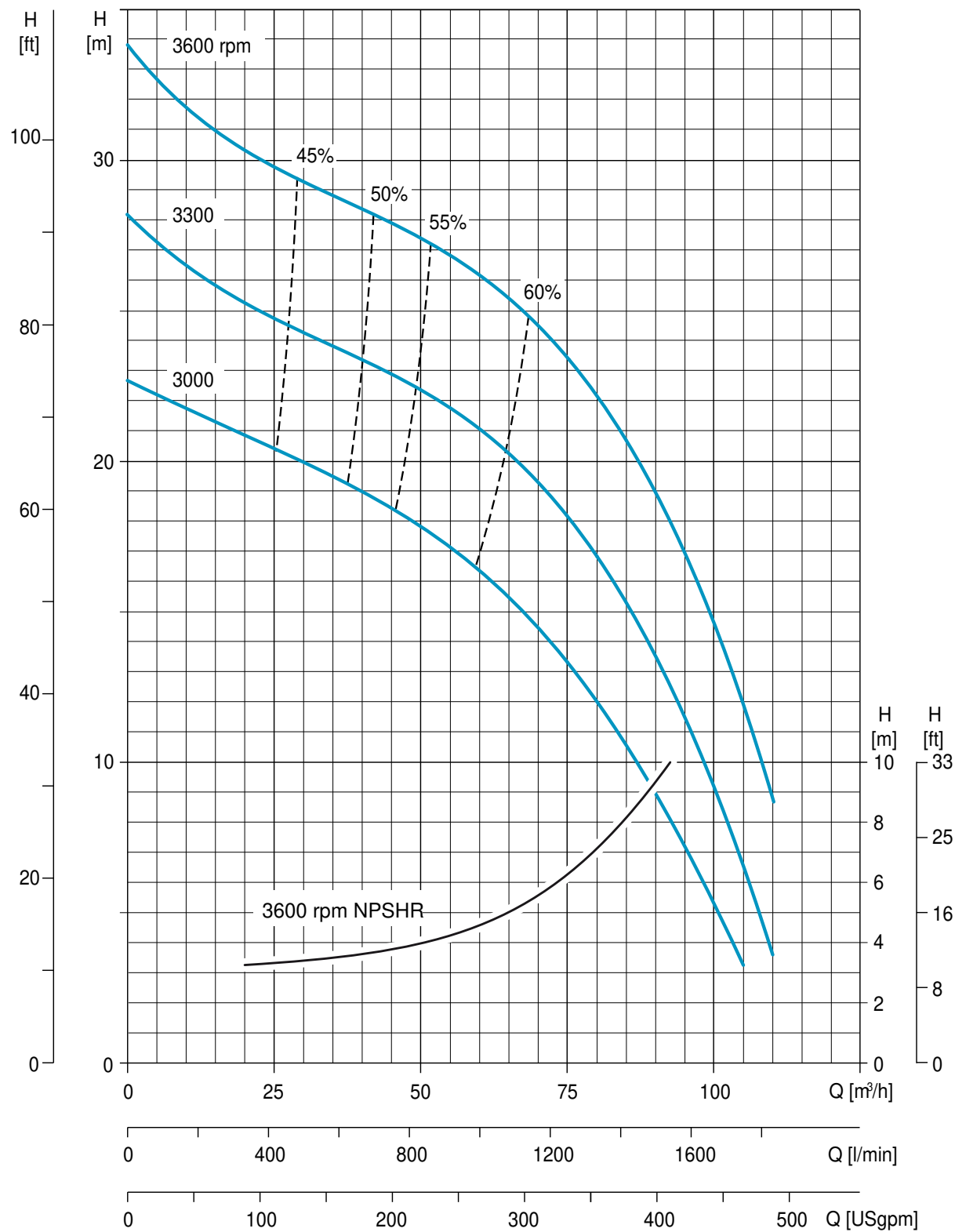
Test according to UNI EN ISO 9906 standard - level 2

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

Losses from check valve not included

Spherical solids handling: D.28 mm (1.1")

Max absorbed power: 8,5 kW - 11.4 HP (3.600 rpm)



VAR 3-140 MKL51 TROLLEY



Technical data

Pump

Model	VAR 3-140
Qmax	110 m ³ /h - 1.830 l/min (500 USgpm)
Hmax	34 m (112 ft)
Q max eff.	68 m ³ /h - 1.130 l/min (300 USgpm)
Eff. max	60 %
Suction port	Threaded - 3" BSP
Delivery port	Threaded - 3" BSP
Impeller type	Semi-Open, 3 vane
Solids handling	28 mm (1.1 ")
Material	G10
Casing	EN-GJL-200 cast iron
Impeller	EN-GJL-200 cast iron
Wear plates	EN-GJL-200 rubber lined cast iron
Number of plates	1
Shaft	C45 steel
Mechanical seal	Silicon carbide / Silicon carbide
Elastomers	NBR

Engines

Make	Kohler			
Model	KD440 (KL51)			
Type	Diesel direct injection, aspirated			
Displacement	442 cm ³ (27 in ³)			
No. cylinders	1			
Cooling	Air			
Rpm type	Variable			
Standard speed	3.200 rpm			
EU emissions	Stage V			
Starting	Electric			
Starting voltage	12 V			
Speed [rpm]	2000	2500	3000	3200
Consumption [l/h]	1,2	1,5	1,7	1,8
Power [kW]	4,4	5,5	6,2	6,4
Power [HP]	5.9	7.4	8.3	8.6

VAR 3-140 MKL51 TROLLEY

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	Galvanised steel frame: chassis, lifting bar, adjustable handle, support foot. Tractor tires.
Battery	Acid charge Pb-Ca maintenance free 12 V - 60 Ah - 320 A
Tank	5 l (1.3 USG)

VAR 3-140 D TROLLEY - E



Dimensions	610 x 945 x 980 mm
	24 x 37 x 39 "
H suction port	0,64 m (2.1 ft)
Dry weight (KL51)	162 kg (360 lb)