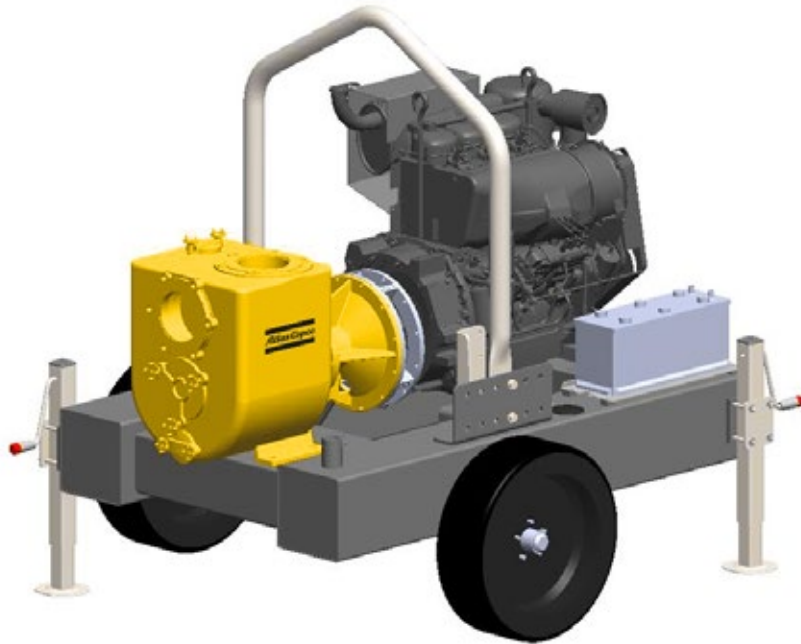


R150 WP FKR01 G11 TRAILER

Diesel - Qmax 340 m³/h (1,500 USgpm) - Hmax 27,5 m (90 ft)



Provisional picture of the product

WP - 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 WP 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 WP 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

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 plate

Cast iron rubber lined wear plates, that are easily replaceable

R150 WP FKR01 G11 TRAILER

Performance curves

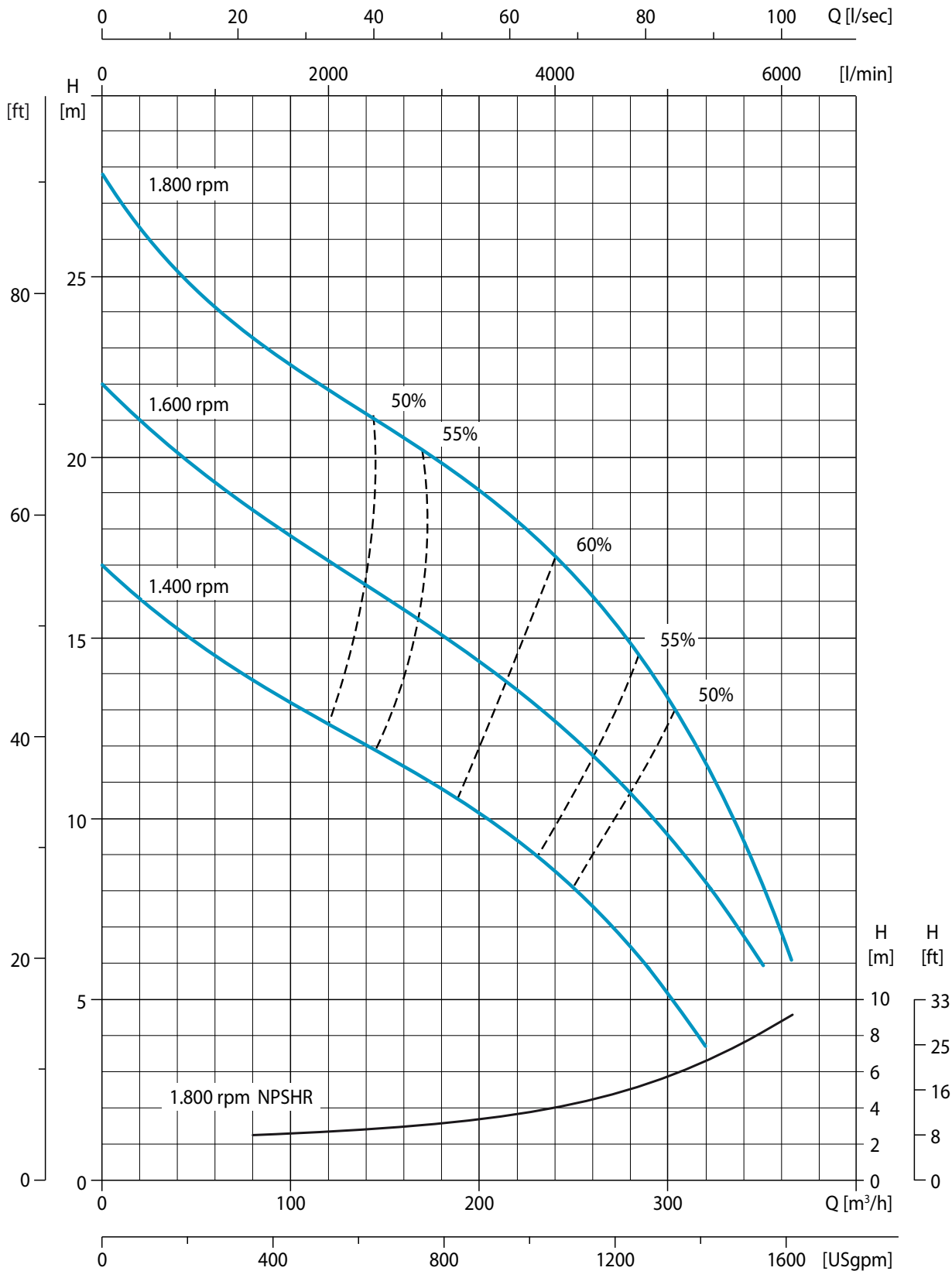
Test according to UNI EN ISO 9906 standard - level 2

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

Losses from check valve not included

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

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



R150 WP FKR01 G11 TRAILER

Technical data

Pump

Model	R150 WP
Qmax	340 m ³ /h - 5.670 l/min (1,500 USgpm)
Hmax	27,5 m (90 ft)
Q max eff.	250 m ³ /h - 4.170 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
Casing	EN-GJL-200 cast iron
Impeller	EN-GJS-400 ductile iron
Wear plates	EN-GJL-200 rubber lined cast iron
Number of plates	2
Shaft	39NiCrMo3 steel
Flushing	Yes
Mechanical seal	Silicon carbide / Silicon carbide
Elastomers	NBR

Engine

Make	Kirloskar		
Model	HA394		
Type	Diesel direct injection, naturally aspirated		
Displacement	2.826 cm ³ (172 in ³)		
No. cylinders	3		
Cooling	Air		
Rpm type	Variable		
Standard speed	1.800 rpm		
US emissions	EPA Tier 2		
Starting	Electric		
Starting voltage	12 V		
Speed [rpm]	1400	1600	1800
Consumption [l/h]	4,4	5,1	5,4
Power [kW] *	17,6	20,3	21,6
Power [HP]	23.6	27.2	29

* continuous power ISO 3046 ICXN

Control panel

Model	PW100
	Manual operation
	Hour meter
	Automatic engine shutdown in case of:
	- low oil pressure
	- water overheating
	- low battery voltage
	Throttle rod

R150 WP FKR01 G11 TRAILER

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)
Battery	Acid charge Pb-Ca maintenance free 12 V - 110 Ah - 400 A
Tank	150 l (39,6 USG)
Locking keys	Fuel cap

TRAILER R150 WP



Dimensions	1410 x 2350 x 1880 mm
	56 x 93 x 74 "
H suction port	0,95 m (3.1 ft)
Dry weight	1040 kg (2,290 lb)