



# SPEEDWAGON

PUMPS & EQUIPMENT



## SW150-4 Vortex Pumps



[speedwagon.co.za](http://speedwagon.co.za)



**SPEEDWAGON**  
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The **SW150-4 vortex pumps**, known for handling solids up to 100mm and its ability to run dry indefinitely, is the cornerstone of the the product's reputation. This original pump design offers **straightforward operation**, **exceptional reliability**, and **built-in safety features**.

The distinctive automatic **self-priming system** features a **water-resistant diaphragm air pump**.

This environmentally friendly design eliminates the issues of oil vapor emissions and oil emulsification commonly found in other priming systems.



Designed with **environmental sustainability**

in mind, the SW150-4 pump incorporates the innovative automatic self-priming system and an oil-immersed mechanical seal, allowing the pumps to thrive in the most demanding conditions found in construction, mining, and municipal sectors. Capable of fully automatic priming from depths of up to 8.8 meters (at sea level), these pumps deliver unmatched performance for effluent disposal and slurry handling.

Customers can choose from a **variety of configurations**, with multiple engine, electric motor, and chassis options available, including close-coupling for select models.

- **Solid Handling Up to 100mm**
- **Environmentally Friendly**
- **Unique Automatic Self -Priming**
- **Dry-Running**
- **Vortex Flow Impellor**
- **Easy Operation with Unparalleled reliability**





## SW150-4 Vortex Pumps Spec Sheet

### 6" Pump

Description	Unit	Quantity
Capacity	m <sup>3</sup> /hr	320
Total Head	m	28
Max Solid Size	mm	100
Self Priming Lift	m	8,8 (at sea level)
Air Handling	L/sec	24
Selfprime Absorbtion	kW	2.2
Power Required (min)	kW	32
Power Required (max)	kW	51
Pump Speed Max	rpm	2600
Pump speed Min	rpm	1000
Impeller type		Recessed Vortex
Impellor Diameter	mm	220

### Engine

Description	Specification
Make	Deutz
Model	F4L912 - 4 Cylinder
Type	Elec. Start, air cooled Diesel
Nett Engine Power	32kW at 1500 Rpm
	38kW at 1800 Rpm
Max Engine Power	46.4kW at 2300 Rpm
Prime kW at sea level	46,4kW

### Trailer

Description	Unit	Quantity
Overall Length	mm	3420
Overall Width	mm	1800
Overall Height	mm	1610
Ground Clearance	mm	362
Axle GVM	Kg	1600
Trailer	Finish	Hot Dip Galvanising
Pump Paint	Colour	Municipal Yellow
Brake system	Type	Manual - Overrun Brakes
Lights	Type	LED Combination
Tyre Sizes	Size	195R14C
Tow hitch Coupling	Type	Ball and Pin type - 32mm





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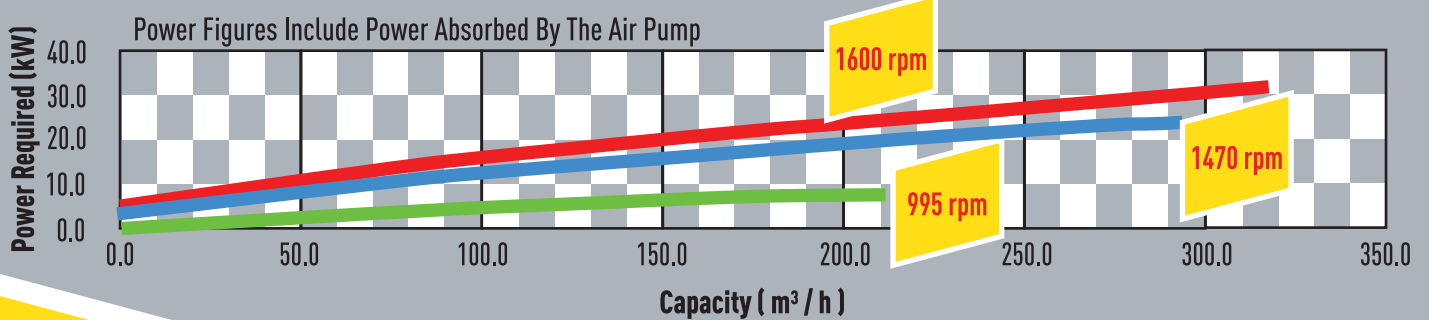
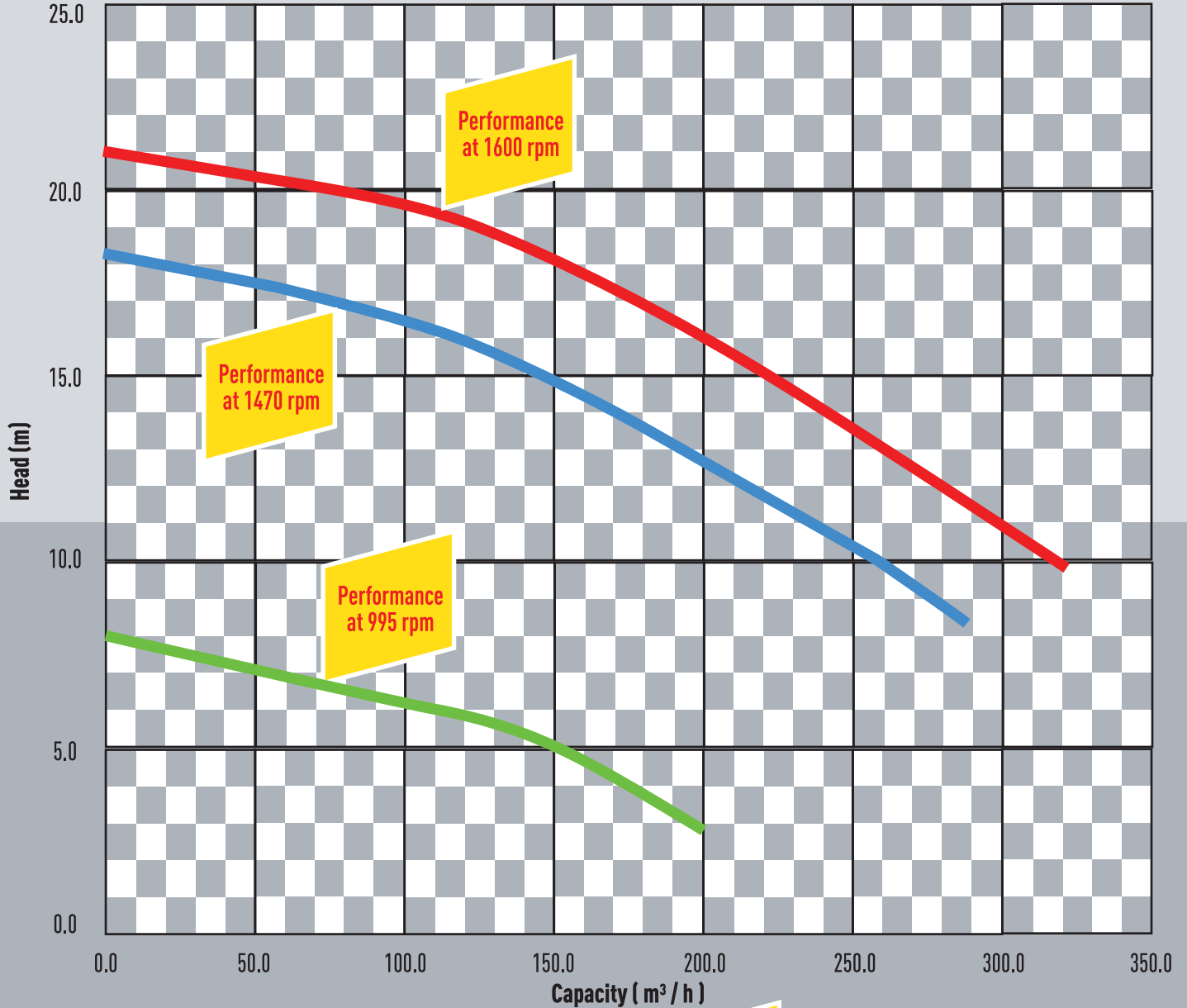
## SW150-4 Performance Curve

Clean Cold Water s.g 1.0

Flanges: Ø150mm

Max Solids Size: 100mm

Impeller Ø 220mm



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