

Wasa 300+

Sweeper

The Wasa 300+ is the perfect partner to clean streets in small towns and communities, along with industrial and port areas. The high performance towed sweeper picks up dirt mechanically, thereby avoiding large amounts of fine dusty exhaust fumes. The Wasa 300+ offers other interesting options and is ideal for many sweeping tasks, as well as complying with the top four-star level PM10/2.5 certification.

Highlights

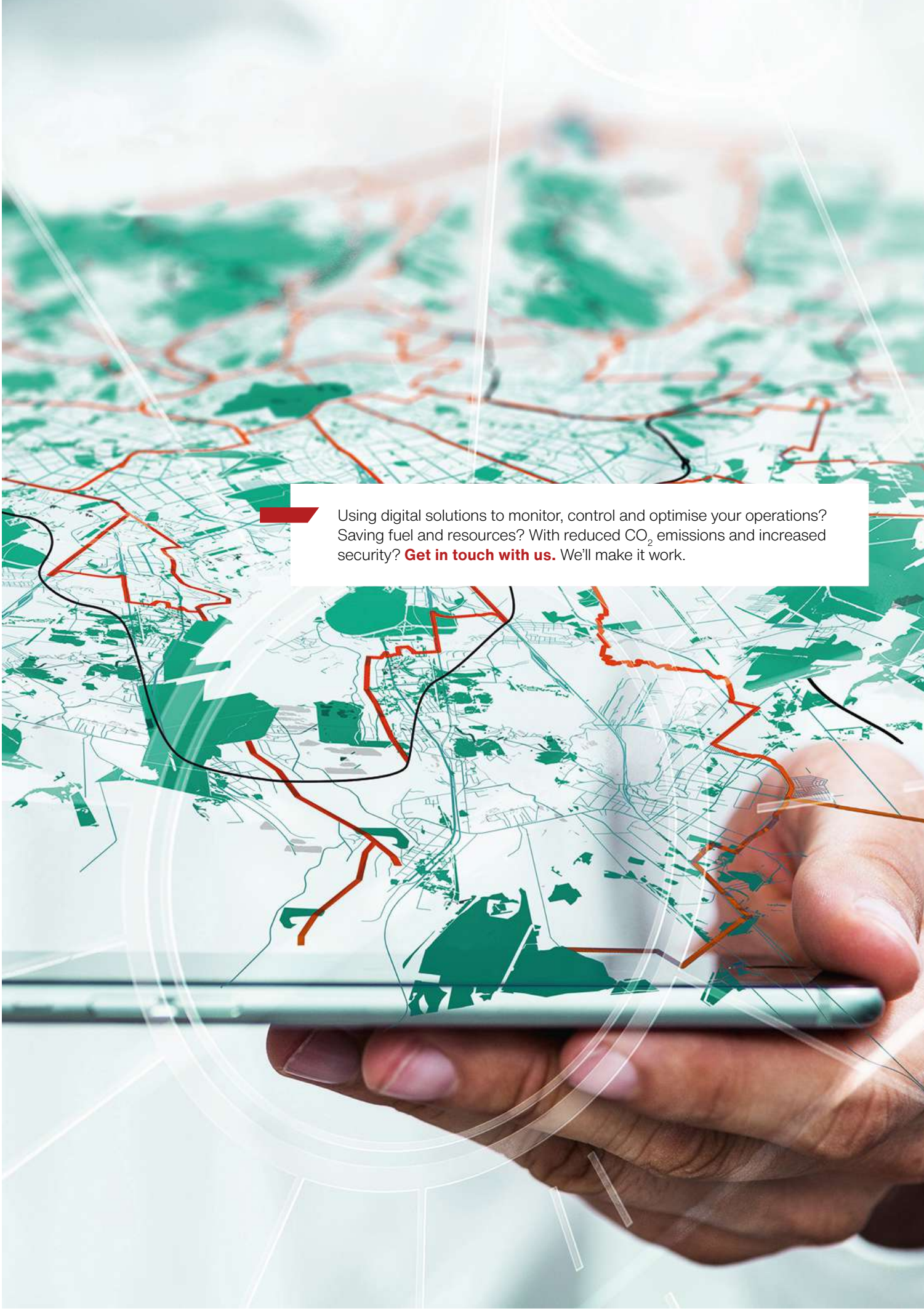
- **Large surface capacity** of up to **48,000 m²** thanks to its large hopper and tank capacity
- **Outstanding manoeuvrability** due to slim drawbar with swivelling function
- The top **four-star level** of the **PM10/PM2.5 certification**

Your benefits

- **Maximum sweeping performance:** The Wasa 300+ offers maximum sweeping performance and can be used for even the coarsest dirt. The large 3.0 m³ hopper enables large areas and routes to be covered effectively. A large surface capacity of up to 48,000 m² is possible thanks to the large hopper and tank capacity.
- **Environmentally friendly hydraulic system:** The sweeper is driven by an environmentally friendly hydraulic system which operates silently even at full power and is suitable for operation with organic oil.
- **Best certification:** The Wasa 300+ fulfils the best level of the PM10/PM2.5 certification with four stars. It has no suction fan and thus avoids large amounts of particulate matter.
- **Easy handling:** The Wasa 300+ has been designed so that all relevant components are easily accessible and all necessary adjustments and repairs can be carried out easily.
- **Low noise emission:** The extremely low noise level permits its use in residential and urban areas.



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Performance features

Sweeping technology

The sweeping unit of the Wasa 300+ consists of two towed disc brushes with brake-back protection and wear-free direct drive via an hydraulic motor. The hydraulic lifting and lowering of the disc brushes, and hydraulic brush ground pressure, can be controlled via the control panel. The Wasa 300+ has a rear-mounted roller brush and enables a wear-free direct drive of the roller brush via the hydraulic motor. An innovative, adjustable roller brush cover ensures optimum sweeping results.





Suction system

Two disc brushes mounted on the sides in front of the axle transport the debris to the centre; the roller brush located behind the axle transports the debris to the generously proportioned hopper via a broad elevator. The high throughput rate of the elevator is ensured by the 60° fitting position and the continuously variable transport speed control. The smooth running of the elevator is ensured by a top-mounted hydraulic motor.



Water system

The non-corrosive plastic water tanks, mounted left and right, have a total capacity of 1,100 litres, and can be swung outwards for cleaning and maintenance work. Meanwhile, the 12 spray nozzles of the sweeping unit are supplied by a hydraulic water pump with a flow rate of up to 36 l/min.



Sweeping material hopper

The Wasa 300+ has a steel hopper with a 3 m^3 capacity. The discharge height is 1,750 mm. The hopper is tipped hydraulically, while an hydraulically extendible support additionally protects the vehicle from tipping over. The hopper's conical shape is optimised to ensure safe and quick discharge.



Operation

All functions are conveniently operated from the vehicle cabin via a logically-arranged control panel. All relevant information is displayed on the graphic display.



Drive

The Wasa 300⁺'s hydraulic system is driven by the PTO (power take-off) of the towing vehicle. The oil temperature is monitored by sensors and a warning message is issued if the temperature is too high or too low.

Drawbar

For the Wasa 300⁺ both bottom or top coupling is available. A slim drawbar enables outstanding manoeuvrability and a large steering angle, while various drawbar eyes and an optional hydraulic swivel drawbar are also available.

Gallery













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MSH

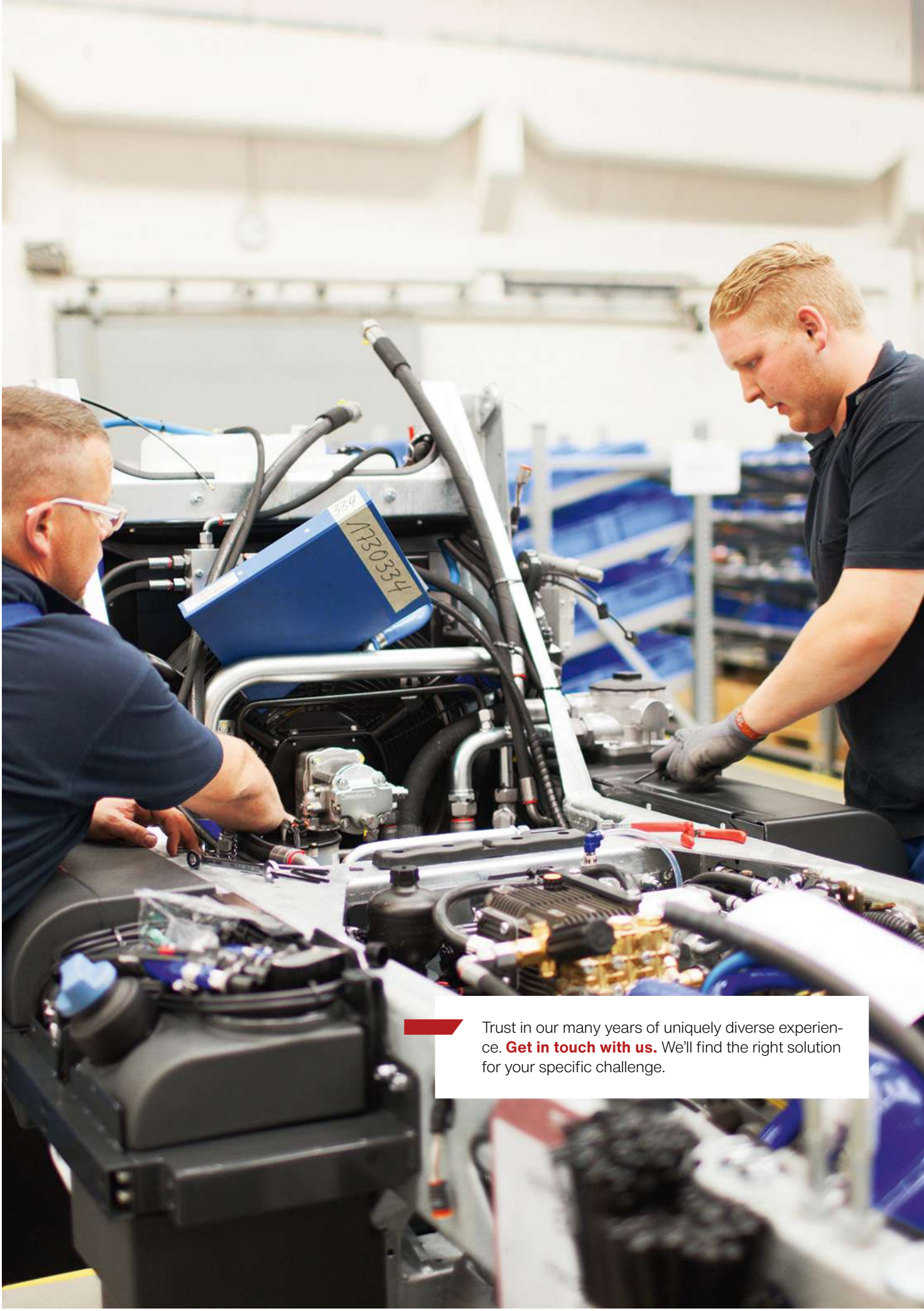
Sweeper



Senior 2000

Sweeper





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Technical data

Hopper	
Hopper volume	3 m³
Tilt angle	123°
Sweeping unit	
Disc brush diameter	1,100 mm
Disc brush speed	100 1/min
Brush material	steel / mixfill
Sweeping width	2,400 mm
Roller brush diameter	800 mm
Roller brush length	1,150 mm
Roller brush speed	110 1/min
Elevator	
Elevator width	1,050 mm
Inclined conveyor - angle	60°
Velocity speed	90 1/min
Height of conveying bar	84 mm
Conveying performance	9 m³/min
Water system	
Total water volume	1,100 l
Fresh water pump	10 bar / 36 l/min
Adjustable fresh water pump	28 l/min - 36 l/min
Drive system	
Drive	PTO shaft
PTO shaft	540 1/min
Power Hydraulics Towing Vehicle	180 bar / 80 l/min
Electrics	
Working voltage 12V	12 V
Working voltage 24V	24 V
Supply voltage 12V	12 V
Hydraulic system	
Hydraulic tank volume	150 l
Hydraulic pumps	27 / 19 cm³
Flow rate approx.	88 l/min
max. system pressure	160 bar
Speed	
Sweeping speed	40 km/h
Weights	
Empty weight of the basic unit approx.	4,000 kg
Payload	8,000 kg
Permissible drawbar support load	2,000 kg
Permissible axle load	6,000 kg
Hitch	
Top hitch approx.	915 (±55 mm)
Top hitch, height towing eye D40	840 (±55 mm)
Bottom hitch, height towing eye	390 (±55 mm)
Recommended towing vehicle	
Recommended power	50 kW (70 HP)
Power take off	540 1/min
Electrical power	600 W
Trailer brake system	compressed air

Document created on
10 JUL 2026

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