

schmidt
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MSH

Sweeper

The towed MSH trailer sweepers are extremely agile and easy to use machines that can work effectively even in tight spaces, while the very low noise level makes them ideal partners in residential and urban areas. The design boasts a robust construction that has been tried and tested over many years, enabling low operating costs and a long service life. The MSH is available in two sizes - 0.7 m^3 and 1.5 m^3.

Highlights

- **High-capacity hopper**
- Drive **via PTO of the tractor**
- Water spray nozzles for **optimum dust binding**

Your benefits

- **Maximum manoeuvrability:** The slim drawbar and variable attachment ensure an extremely agile and easy to use machine that can work efficiently in tight spaces.
- **Low noise emissions:** They have a very low noise level, which allows them to be used in residential and urban areas, in parks and cemeteries.
- **Best certification:** With four stars, the MSH towed sweepers meet the best level of PM10 / PM2.5 certification.

Performance features

Sweeping technology



The sweeping unit of the MSH consists of two towed disc brushes with drive via the PTO of the tractor. The hydraulic lifting and lowering of the disc brushes can be controlled via the control panel. The MSH has a rear-mounted, collision-protected roller brush, while the adjustable roller brush cover ensures optimal sweeping results.

Suction system

Two disc brushes mounted in front of the axle transport the debris to the centre of the MSH. The roller brush, located behind the axle, brushes the debris into the large-volume hopper.



Water system

Centrally mounted plastic water tanks ensure an even weight distribution. The MSH 070 has a water tank volume of 200 litres, and the MSH 150 one of 500 litres. An electric water pump, with up to 15 litres per minute, supplies four water spray nozzles on the sweeping unit of the MSH 070. The MSH 150 has an electrically driven water pump with two spraying levels (first level 7.5 l/min @ 3.4 bar; second level 15 l/min @ 3.4 bar). It also supplies four water spray nozzles on the sweeping unit for optimum dust binding.

Sweeping material hopper



The MSH towed sweeper series has a steel hopper with a capacity of 0.7 m^3 and a discharge height of 1,500 mm for the MSH 070 version and a capacity of 1.5 m^3 and a discharge height of 1,800 mm for the MSH 150. In each case, the hopper is tipped hydraulically at the back.

Operation

All functions, such as switching the sweeping operation and lifting, lowering and tipping the hopper, are easily operated from the vehicle cabin via a simple and logically designed control panel.

Drive

The MSH‘s hydraulic system is driven by the PTO (Power Take-Off) of the towing vehicle, while the drive can also be powered using its power hydraulics.

Drawbar

The slim drawbar enables outstanding manoeuvrability and a large steering angle, while the overrun brake and the safety rope increase safety for the driver. A hydraulic swivel drawbar is standard, although different drawbar eyes are also available.

Gallery







Variants

MSH 070



The MSH 070 has a steel hopper with 0.7 m^3 capacity.

MSH 150



The MSH 150 has a steel hopper with 1.5 m^3 capacity.

Related products

Wasa 300+

Sweeper



Senior 2000

Sweeper



Technical data

	MSH 070	MSH 150
Hopper		
Hopper volume	0.7 m³	1.5 m³
Dumping height tilt discharge	1,500 mm	1,800 mm
Sweeping unit		
Disc brush diameter	760 mm	900 mm
Disc brush speed	100 1/min	160 1/min
Brush material	steel	steel
Sweeping width	1,600 - 1,900 mm	1,900 - 2,200 mm
Roller brush diameter	690 mm	860 mm
Roller brush length	950 mm	1,000 mm
Roller brush speed	160 1/min	200 1/min
Water system		
Total water volume	200 l	500 l
Spraying level 1	3.4 bar / 15 l/min	3.4 bar / 7.5 l/min
Spraying level 2	–	3.4 bar / 15 l/min
Water spray nozzles per disc brush	2	2
Drive system		
Drive	PTO shaft / Power hydraulics	PTO shaft / Power hydraulics
PTO shaft	540 1/min	540 1/min
Power Hydraulics Towing Vehicle	150 bar / 30 l/min	160 bar / 30 l/min
Hydraulic system		
Hydraulic tank volume	45 l	50 l
Flow rate approx.	30 l/min	30 l/min
max. system pressure	150 bar	160 bar
Speed		
Sweeping speed	12 km/h	12 km/h
Dimensions		
Length	3,220 mm	4,580 mm
Width	1,900 mm	2,200 mm
Height	1,560 mm	1,690 mm
Weights		
Empty weight of the basic unit approx.	800 kg	1,300 kg
Permitted total weight	1,500 kg (40 km/h)	3,000 kg (40 km/h)

aebi schmidt group

Aebi Schmidt Holding AG
Lindbergh-Allee 1
CH-8152 Glattpark, Switzerland
Phone: +41 44 308 58 00
www.aebi-schmidt.com

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TELEMET
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Telemet · Office in Chile

Los Canteros 8723, La Reina, Santiago 7880414, Chile

Phone +56 22 356 2735

info@telemet.com

telemet.com