

New Generation



Street King 660

Truck-Mounted Sweeper





Schmidt – Cutting-edge technology as a matter of principle

Expertise

Aebi Schmidt Deutschland GmbH is among the trailblazers in municipal technology. Almost 100 years ago, the foundation was laid for a company that today ensures safety in all traffic areas in any weather all over the world. People throughout the globe rely on Schmidt's machines and know-how.

Being part of the Aebi Schmidt Group since 2007, Schmidt regards itself today as a leading system provider of innovative solutions for the cleaning, clearing and maintenance of traffic areas. Our product range comprises attachable and de-mountable equipment, special-purpose vehicles and all associated services as well as logistic and planning support.

We are there for our customers, which we guarantee by a dense network of service partners as well as advanced logistics to be able to deliver spare parts exactly when and where they are needed.

Made in Germany

Our sweepers bear the "Made in Germany" quality label. All machines of the Street King series are manufactured at the parent factory in St. Blasien. Schmidt is committed to its German location and has been continuously investing in the modernisation and expansion of its factories during the past years – and thus also in the quality of its products.



Schmidt – Cutting-edge technology as a matter of principle

Our employees are behind us. They know that trust can only be created and maintained through performance and quality in all areas of a company, which they prove every day in our name.

Worldwide recognition

The striking blue-coloured logo with the Schmidt lettering is at home all around the world. Machines manufactured using German engineering expertise do just as great a job in Europe as they do in Asia, South America or the Near East. On the one hand, this worldwide presence is a sign of trust; on the other, it involves the duty of consistent optimisation: Because the future, holding new tasks in store, is never far away.

Schmidt – Cutting-edge technology as a matter of principle

- **Compact, manoeuvrable design with high payload**
High hopper capacity for extended operations and fewer trips to the landfill
- **Eco-friendly technology**
Clean engine technology, PM10 certificate
- **Maximum comfort for the driver for long working days**

The modular system enables you to customise the Street King according to your individual wishes.

Schmidt Street King 660 – Components

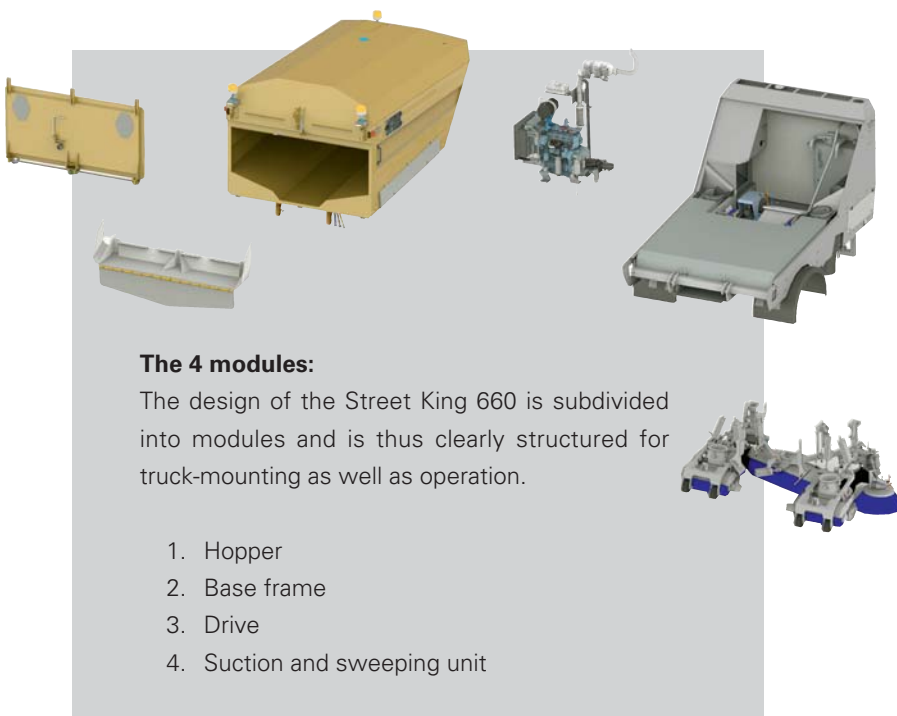
The economical Street King 660 truck-mounted sweeper: Uncompromising cleaning for any challenge.

The Street King 660 is a powerful and efficient truck-mounted sweeper. The high suction power, the large-capacity hopper and the large water tank permit extended operations and a high level of efficiency.

Extremely compact design

The suction fan is fitted in the front portion of the hopper transversely to the direction of travel, which significantly reduces the overall length while optimising the air flow.

The ideal arrangement of the entire drive unit in the subframe permits a compact design and ensures optimum axle load distributio



The 4 modules:

The design of the Street King 660 is subdivided into modules and is thus clearly structured for truck-mounting as well as operation.

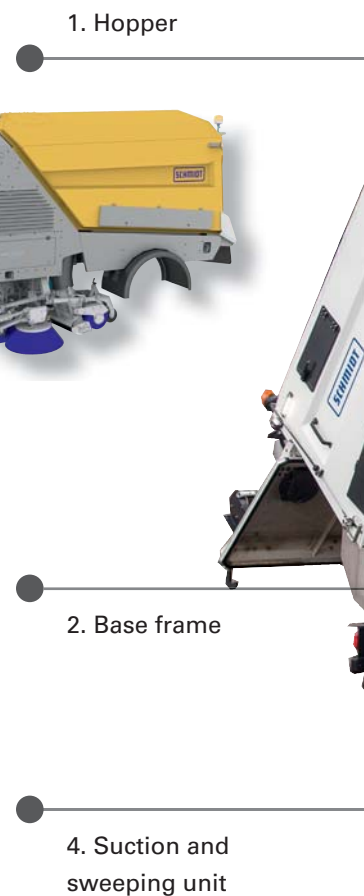
1. Hopper
2. Base frame
3. Drive
4. Suction and sweeping unit

The powerful suction and sweeping unit

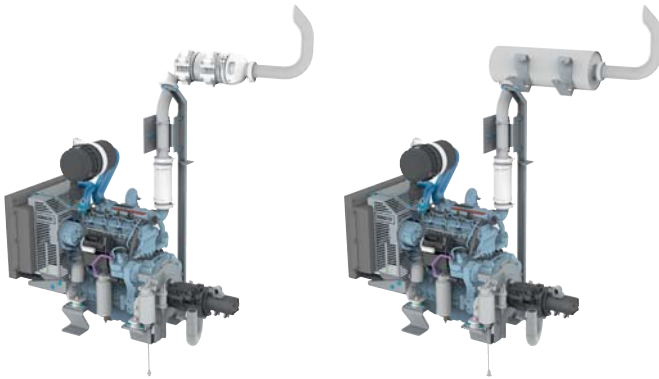
The towed sweeping unit designed for durability and high performance offers clear advantages:

- Maximum brake-back protection
- High sweeping capacity
- Brush roller fully integrated in the suction nozzle for "mechanical" cleaning over the entire sweeping width
- No maintenance work and lubricating points required

The suction nozzle with integrated brush roller and the high-performance suction fan ensure optimum dirt collection, permitting up to 15% higher operating speeds compared to other models.



Schmidt Street King 660 – Components



Drive

The encapsulated engine compartment and the cutting-edge engine technology make the Street King 660 one of the quietest and most environmentally friendly sweepers. The Deutz TD 2.9 auxiliary engine ensures the efficient provision of performance. The hopper can be tilted to allow easy access to the engine compartment.

EuroMot 3B and EuroMot 3A engines are available as well (for export).



3. Drive



Chassis

The machine can be mounted on any standard 2-axle truck chassis of the 15 – 18 t class with appropriate specifications. The universal frame is fitted according to the truck manufacturers' guidelines to fitting bodies.

Subframe

The universal subframe is suitable for all standard trucks. It offers space for the entire sweeper, including sweeping unit. The entire sweeper is mounted on the subframe instead of the truck, which is why it is also available as a demountable version upon request (use of the truck as a winter service vehicle).

Schmidt Street King 660 – Hopper

Hopper

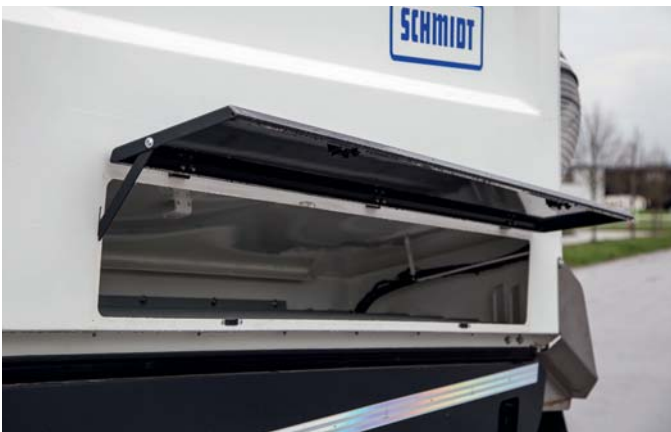
The hopper capacity of 7.0 m³ permits the collection of large amounts of dirt. The stainless steel floor pan and rubber-coated baffle plates in the hopper guarantee a long service life and are virtually wear-free. The baffle plates additionally have a sound-insulating effect.

The large discharge angle of 60° ensures residue-free emptying. A large, folding leaf screen with excellent air flow rate is fixed along the full width of the hopper.

The aerodynamic hopper, air flow and leaf screen create a cyclone effect in the hopper, making it possible to fill the hopper to 100% and thus eliminating the need for frequent trips to the landfill.

A side-mounted debris flap additionally serves to visually check the filling level.

- 7.0 m³ hopper capacity
- 60° discharge angle
- Tool boxes integrated in the hopper
- Large, folding leaf screen
- Compact design





Schmidt Street King 660 – Frame

Base frame

The universal base frame forms the solid basis of the Street King 660.

The rear-mounted water tank, arranged above the rear axle, and the vertical front-mounted water tank are integrated in the base frame. The front-mounted water tank offers optimum noise protection for the driver and guarantees an extremely low noise level in the driver's cab.

The fully integrated hydraulic, pneumatic and electric compartments ensure easy and quick maintenance. Everything can be accessed from the outside via generously dimensioned flaps.



Schmidt Street King 660 – Water System

Water system

Generously dimensioned water tanks with 1,600 l capacity permit extended sweeping operations. In addition, the rear-mounted water tank ensures a low centre of gravity, enhancing safety while driving. The water tanks are not connected to the hopper, which contributes to increasing the stability when tilting the hopper.

- 1,600 l water tank capacity
- Stainless steel water tanks
- Optimum capture of dust particles – PM10 3-star certificate
- No water supply lines in the driver's cab
- Electrically controlled water nozzles, maximum flexibility thanks to operation via the ES control panel
- Dust-free collection of debris thanks to spray nozzles in the suction nozzle, on the disc brushes and the feeder brush
- Hydraulically operated water pump with a flow rate of 48 l/min at 8 bar and dry-running prevention
- Residual water level indicator, displayed on the control panel, optional filling level sensor
- Wastewater drain hose on the hopper flap



A hydraulically operated, **high-performance water pump** with dry-running prevention supplies the spray nozzles in the brushes and the suction nozzle. Additional spray nozzles, for example on the truck bumper, are optionally available.

The standard version of the Street King 660 has the 3-star PM10 certificate for its low particulate matter emission levels, making it particularly eco-friendly.





The **optional water volume regulation**, allowing the driver to adjust the water volume **in 3 steps quickly and easily** on the ES control panel, is a special highlight. In addition, the individual water nozzles can be switched on and off via the touch screen.

This significantly reduces the water consumption, making it possible to extend the sweeping operation and conserve important resources.

All these functions are achieved without having to lay water supply lines in the driver's cab.



Schmidt Street King 660 – Suction and Sweeping Unit

Optimum sweeping results even when cornering

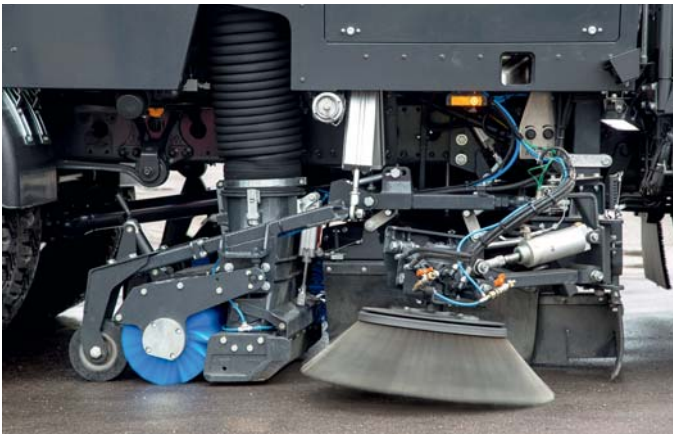
In the standard version, a towed sweeping unit with brake-back protection mounted on the right or left ensures the direct and efficient collection of the debris. A highlight is **the brush roller optimally integrated in the suction nozzle**, which increases the sweeping capacity and the

operating speed and ensures mechanical cleaning over the entire sweeping width. As a result, any residual dirt is removed efficiently.

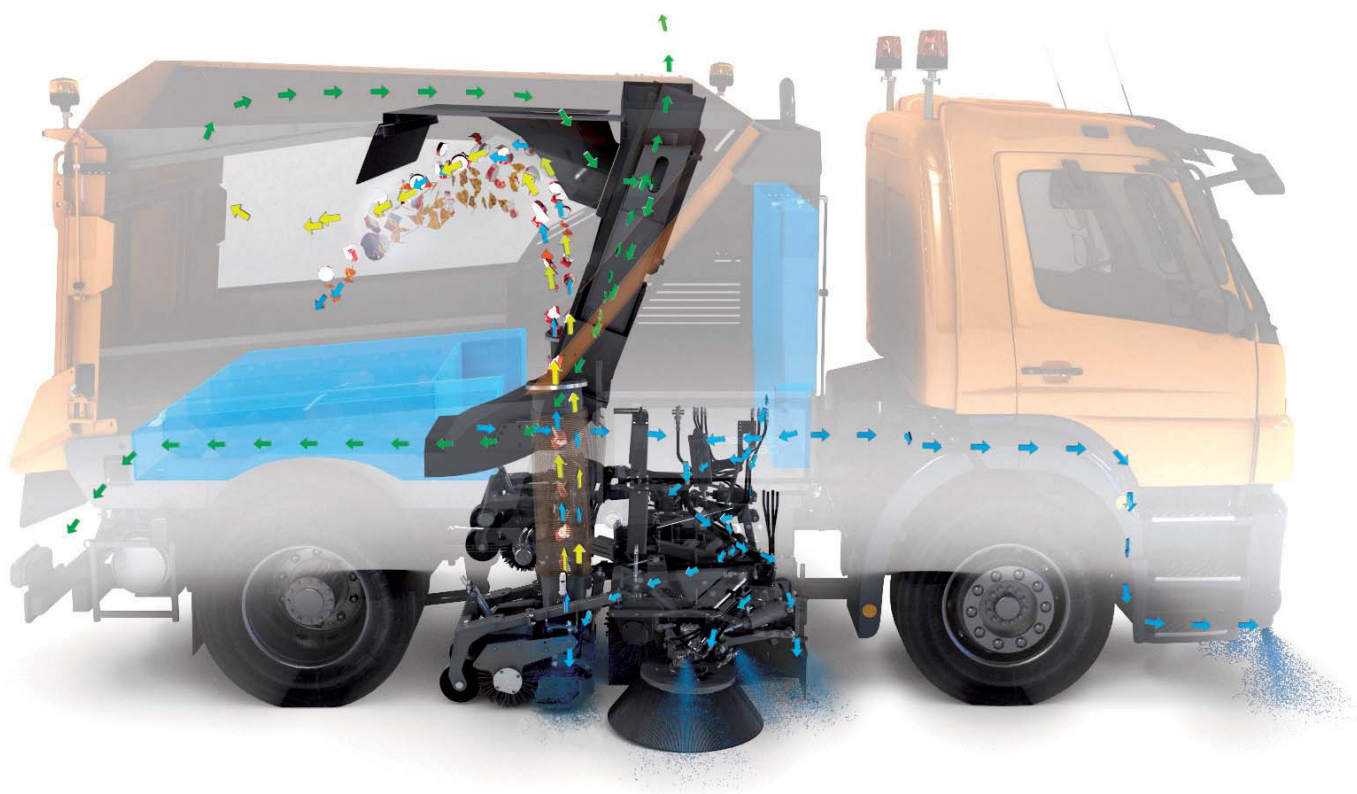
Owing to a pneumatic **debris flap**, bulky debris can also be collected without any problems. **Spray water nozzles in the suction nozzle, on the disc brushes and the feeder brush ensure the dust-free collection of dirt.**

- Optimum coverage of disc brushes, feeder brush and suction nozzle ensures optimum sweeping results even when cornering
- Adjustable brush ground pressure and brush speed reduces brush wear to a minimum
- Towed sweeping system ensures maximum brake-back protection, preventing the sweeping unit from being damaged by obstacles
- Brush roller integrated in the suction nozzle permits high operating speeds and thorough mechanical cleaning over the entire sweeping width
- High suction power guarantees reliable collection of debris

The flow-optimised arrangement of the suction fan and the optimum air flow permit high performance even at low fan speed. The suction fan is nearly continuously adjustable, has a high air flow rate and ensures efficient collection of dirt.



Schmidt Street King 660 – Suction and Sweeping Unit



The speed of the disc brushes, optionally also that of the feeder brush, can be adjusted separately and **continuously**, which allows for individual adaptation to the respective type of dirt. Additionally, the brush wear is reduced to a minimum.

A dual version with the sweeping unit being mounted on the right and left is available as an option, permitting maximum flexibility in daily sweeping operations.

In the dual version, the sweeping width of 2,350 mm can optionally be extended to up to 3,500 mm – simultaneous sweeping – both sweeping units are operated at the same time.

- Sweeping unit fitted on the left or right
- Dual version and simultaneous sweeping optionally available
- Low-wear suction nozzle with integrated brush roller
- Pneumatically operated debris flap
- Sweeping units lifted and water pump switched off automatically when reversing



Schmidt Street King 660 – Operating Unit

Intuitive and convenient operation with the innovative Schmidt ES operating concept

Special importance is attached to easy and straightforward operation with few operating elements. A lot of commands are controlled automatically. The logical menu navigation requires only little attention for operating the sweeper, making it possible for the driver to fully focus on the road and the traffic. This cutting-edge technology constitutes an essential step towards safe and efficient street cleaning.

- New operating technology with 7" colour touch screen
- Door control panel with joystick for the basic functions
- Easy, intuitive handling for the driver
- Combination of key and touch control
- Logical menu navigation
- Optimum display of all relevant information
- Acoustic and visual warnings
- Automatic adjustment of display brightness (light sensor)
- On-board diagnostic system
- Optional TFT monitor for up to 3 cameras



Ergonomically optimised operation for relaxed working

The advanced electronic system permits a compact design of the operating elements, which are easily accommodated in the driver's cab and can be individually arranged by the driver to be within safe and easy reach. The door control panel is very helpful in practical application, making it possible to operate all main functions, such as switching the sweeping unit on and off, extending and retracting the disc brush, collecting coarse dirt and, if necessary, operating the optional accessories. Maximum ergonomics for optimum sweeping results.



Street King 660 Truck-Mounted Sweeper – Options

Useful accessories

They extend the Street King 660's possible range of applications, increasing both the level of cleanliness and the economic efficiency of the sweeper.



Suction boom

Can be conveniently extended to the front beyond the driver's cab as well as to the sides over parking cars and to the rear far beyond the sweeper. Easy operation using the manual control panel on the suction port.



Environmental lighting

The light packages offered ensure excellent illumination of the sweeping area and the surroundings around the machine.



Wander hose

The high suction power permits the reliable cleaning of manholes as well as the removal of coarse dirt, stones, bottles, etc.



Reversible exhaust air flow

Exhaust air flow can be directed downwards to the back or upwards to the front, enabling the driver to react specifically to the respective operation, e.g. sweeping under trees



Spray bar

The front-mounted spray bar wets the surface to be swept with water to capture dust particles.

Street King 660 Truck-Mounted Sweeper – Technical Specifications

Street King 660	
Hopper	
Hopper capacity	7.0 m ³
Discharge angle	60°
Dirt collection	
Disc brush, feeder brush and towed suction nozzle	
Ø Disc brush	750 mm
Ø Feeder brush	400 mm
Length feeder brush	1,300 mm
Width suction nozzle	750 mm
Ø Suction hose	250 mm
Sweeping widths	
Disc brush with suction nozzle	1,200 mm
Disc brush with suction nozzle and brush roller	2,350 mm
Dual version and simultaneous sweeping	up to 3,500 mm
High pressure ventilator	
Drive	hydraulic
Speed	2,100 – 3,100 1/min
Air flow rate	max. 18,000 m ³ /h
Support plate, blades, spiral wall of highly wear-resistant steel (Hardox)	

Engine /Drive	
Auxiliary engine	Deutz
Type	TD 2.9, EuroMot 3B with diesel ox. cat. TD 2.9, EuroMot 3A (outside Europe)
Cubic capacity	2,900 cm ³
Output	55.4 kW (75 HP) @ 2,600 1/min
Torque	260 Nm @ 1,600 1/min
Filling capacities	
Water tank	1,600 l
Hydraulic oil tank	130 l
Speeds	
Transport speed	0 - 90 km/h
Operating speed	0 - 20 km/h
Weights	
Empty weight basic machine*	4,250 kg
Empty weight basic machine* dual version	4,650 kg
*without options	

Aebi Schmidt Holding AG
Marketing and Communication



Scan and experience the
ASH Group on YouTube

Technical specifications subject to change.
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