

# Multigo 150

Multifunctional compact sweeper



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a brand of aebi schmidt

# One machine, five options

## Versatility meets top performance

Achieving perfect harmonisation between a vehicle and an attachment significantly influences efficiency – quick device changes and customised attachments make the Schmidt Multigo 150 the smallest all-rounder in the Schmidt family of sweepers. It's ideal for use during both the summer and the winter months. And an investment in flexibility that's guaranteed to pay off for you.

### Hoppers and sweeping brushes

A lightweight, corrosion-resistant hopper with a capacity of 1.5 m<sup>3</sup>, high suction power and an innovative brush system with collision protection are all distinguishing features of the Multigo 150.



### Snow plough

A Vario clearing blade with adjustable geometry ensures a high level of flexibility during the clearing process. Alternatively, the single-bladed Schmidt snow plough or a front-mounted sweeping brush can be used.

### Salt and grit spreader

The high spreading power of 1.5–8 m and an operating speed of up to 28 km/h allow for efficient winter maintenance. The machine is controlled from the cab.

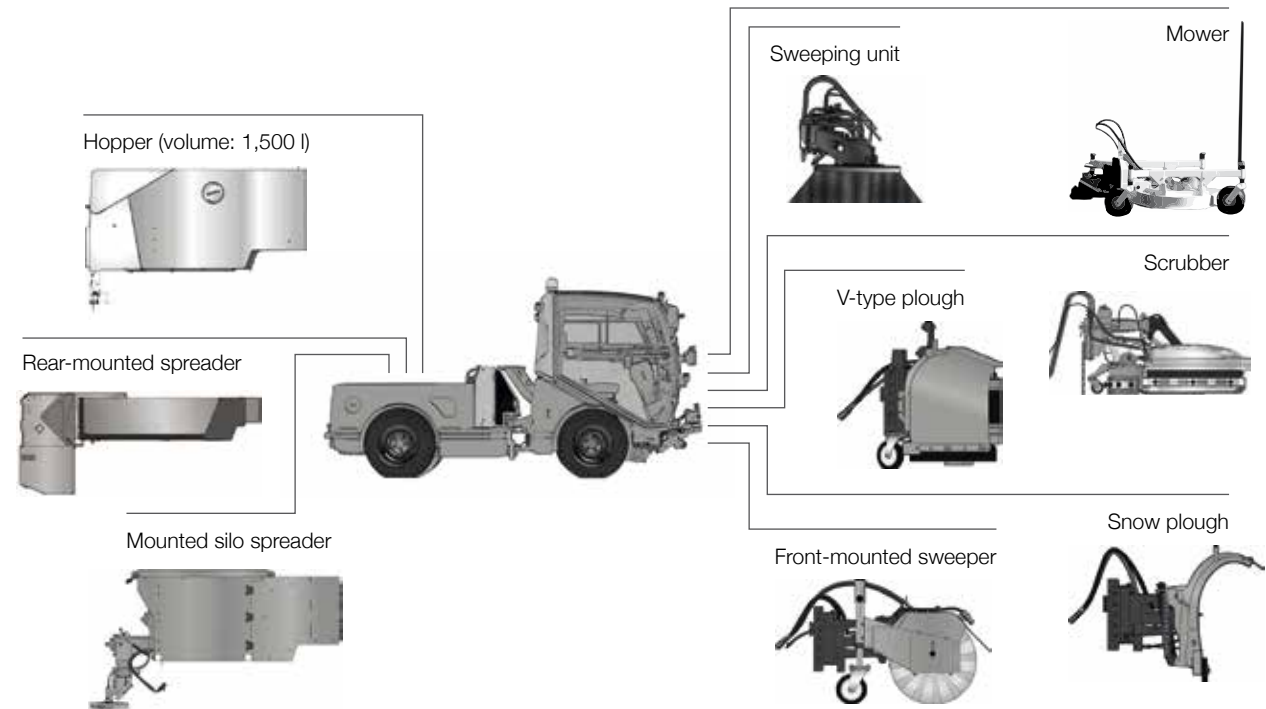
### Mowing

Perfect results every time in green space maintenance. The mower cuts an impressive figure with its maximum cutting width of 1,500 cm and cutting height of 30 mm to 150 mm (adjustable). The mower's three blades guarantee a mowing performance of 15,000 m<sup>2</sup>/h with simultaneous grass collection in the hopper via the sweeper unit.



## Scrubber

Using a combination of a scrubber and a hopper, the Multigo 150 becomes a mechanical wet surface cleaner with simultaneous waste water suction. Whether the machine is put to use in a multi-storey car park or a pedestrian zone, the special design allows an area to be cleaned with extreme ease, right up to the edges, as well as the specific targeting of any inaccessible recesses. At the same time, the scrubber provides excellent cleaning results on a variety of surfaces.



### Our all-rounder – the benefits for you:

- One machine, five options – versatile and efficient utilisation
- Can be driven with a Class B driving licence (passenger vehicles)
- Extremely manoeuvrable due to articulated joint
- Lower maintenance costs, as fleet is smaller
- Easy changeover of attachments
- Automatic all-wheel drive (4x4), automatic power distribution
- High payload of 1 tonne, permissible gross laden weight of 3.5 tonnes
- Optimum PM10/PM2.5 certification (4 stars)

# Sweeping made simple

## Excellent suction power

The innovative airflow design in the suction channel guarantees consistently high sweeper performance – at a high operating speed and even in ECO mode, when noise emissions and fuel consumption are reduced.

## Quiet sweeping

Despite the high performance, noise levels are kept as low as possible. With an acoustic power level of 99 dB(A) it is also possible to clean at earlier and later times of the day.

## Automatic collision protection on the front brushes

The nitrogen-filled hydraulic accumulators ensure that the side brushes are not damaged and thus provide optimum collision protection. The brushes can also be continuously switched on and off from the cab.

## Innovative brush system

When approaching an obstacle, the unique, user-friendly collision protection system automatically retracts the front brush. The ability to adjust the sweeping width from the cab and the separately adjustable, extendable and retractable front brushes also make it easier for the operator to sweep around posts, parked vehicles or other obstacles.

## Increased suction power provided by the patented airflow system

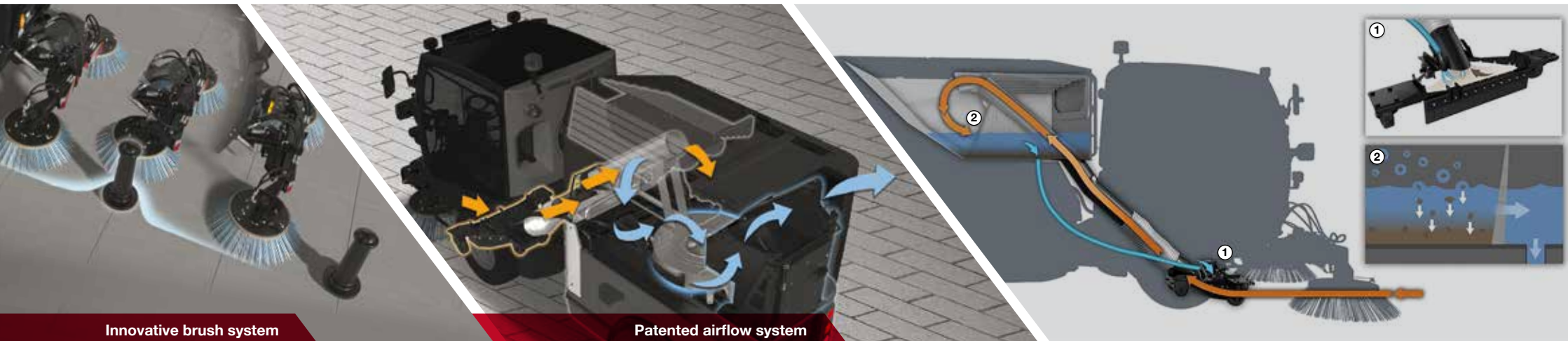
In the case of coarse dirt and particularly awkward items, the specially developed, unique airflow system increases the airflow much more rapidly than other solutions, which is then reflected in outstanding suction power.

## Intelligent brush pressure system

An active, hydraulic load pressure detection system reacts quickly to different surfaces. This minimises wear on the front brushes.

## Effective fine particulate management

The Schmidt Multigo 150 has been tested according to the stringent guidelines set down by the EUnited Association. The cab of the Multigo 150 is equipped with a ventilation system and air conditioning with a fine particulate air filter (Class F8). This prevents pollen and fine particulates from getting into the cab. Outside the sweeper, multi-stage dust binding ensures a low level of particulates in the air: when sweeping, nozzles spray water onto the front brushes and the dirt is then bound by the water-recirculation-system. Water inside the suction channel transports it into the hopper. The Multigo 150 was awarded four out of four stars in its PM10/PM2.5 certification for this feature.



# Snow clearing made simple

## A high-performance machine for use during winter

The low centre of gravity, the compact dimensions, the high-performance 67 hp/50 kW engine and the permanent all-wheel drive (4x4) ensure safe working and manoeuvring, even in the toughest conditions and within the tightest of spaces. The large load capacity of the Multigo 150 allows the use of high-volume spreader attachments and consequently extends the operation times and routes.

## High-quality attachments for every application

Aebi Schmidt offers a wide range of attachments for professional winter maintenance, such as snow ploughs, front-mounted sweepers and various spreader attachments. High-quality and sophisticated technology reduces noise emissions and vibrations during operation and thus also improves user comfort.

## Optimised paintwork

All Schmidt winter maintenance equipment offers the best possible corrosion protection.

## Winter attachments:

- Mounted silo spreader
- Rear-mounted spreader
- Front-mounted sweeper
- Snow plough
- V-type plough
- Others available on request



With new  
panorama cab  
from 09/2019  
(not shown)

## Corrosion protection (optional)

An optional factory-applied wax anti-corrosion treatment gives added protection and improves value retention.



With new  
panorama cab  
from 09/2019  
(not shown)





## A workspace to get excited about!

### **New panorama cab for improved visibility and added comfort**

The combination of the extra-large windscreen, glazed doors and narrow cab frame allows the driver to have a panoramic view of the working equipment and of any traffic. The windscreen wipers are positioned right down at foot level and therefore do not obstruct the view. The driver's seat is positioned centrally and guarantees optimum all-round visibility and greater safety during daily activities. The headroom has been maximised to allow a comfortable sitting position, even for tall drivers.



## User-friendly workspace with:

- Panoramic windows for a perfect overview
- Ergonomic operation of all features (joystick/control panel/foot pedal)
- Adjustable steering column
- Back-friendly ergonomic comfort seat (certified top-rated, **Healthy Back Campaign (AGR) seal of approval** for back-friendly design\*) with double lumbar support (optional)
- Seat inclination and length adjustment, three-point seatbelt, heated seat and backrest angle adjustment
- Air-conditioning and ventilation system with fine particulate filter (Class F8)
- Full-suspension chassis, vibration-dampened cab (viscous dampers) and sprung driver's seat delivered as standard
- Low-noise cab – helps to create a very pleasant and quieter working environment

\* in conjunction with the optional comfort seat



### Control display

Self-explanatory symbols on the display make it easier for the operator to work with different attachments.

## Other highlights

- Easy access to the cab
- Sliding windows on both sides
- LED working headlights for a bright working environment
- Cab lighting with glare-free red light
- Cup/bottle holder
- Storage drawer
- Reversing and suction shaft camera (optional)
- Radio with Bluetooth hands-free function (optional)

### Armrest with joystick

The attachments are operated using the joystick.

This is an integral part of the comfort seat armrest and therefore ensures fatigue-free working.



# Intuitive operation

## Easy to learn for immediate recall

The easy and intuitive control system offers a high degree of flexibility for frequent driver changes and the ergonomically positioned controls give the driver maximum comfort during operation.

### Quick push buttons

The keypad, which is mounted directly in front of the joystick, displays the machine's key functions. This is where the driver can select which mode they want to work in and whether they want to activate the brush pressure setting, for example. The hand brake is also operated from here.



### ECO mode

In ECO mode, the engine speed is lowered to 1,500–1,700 rpm. Fuel consumption and noise emissions are reduced. This cuts operating costs and allows sweeping in noise-sensitive areas. This also applies to transportation up to a maximum speed of 40 km/h.

### Electric parking brake

The electric parking brake is switched on and off at the push of a button. The parking brake is automatically enabled when the driver exits the vehicle. This increases operational safety.

### Brush pressure adjustment

This quick push button is used to activate the brush pressure setting, which can then be adjusted steplessly from the driver's seat using a control dial. This means that the brushes can be adapted perfectly to suit the changing sweeping conditions and it also reduces wear on the circular brushes.

### Suction power

When in working mode (WM mode), the suction power can be increased in six stages up to its maximum level. This means that the brushes can be adapted perfectly to suit the changing sweeping conditions and it also reduces wear on the circular brushes.

### WM button (working mode)

Pressing this button initiates working mode and all the sweeping/operational functions are enabled. The machine is ready to go at the push of a button! The Multigo 150 automatically starts in the noise-reduced ECO mode. ECO mode can be switched off using the ECO button, as required.



### Large tipping height

The hopper has a tipping height of 1,600 mm, so it can be emptied into all common waste containers.

### Production of the Multigo 150

The Multigo 150 is produced at the St. Blasien factory in the Black Forest. Sweepers from Schmidt are synonymous worldwide with excellent quality, great functionality and innovative technology. In addition to the Multigo 150, the Aebi Schmidt Group offers a comprehensive range of sweepers from 1.5 m<sup>3</sup> up to 12 m<sup>3</sup>.



## Outstanding technology for outstanding results

The Perkins diesel engine with 67 hp and four-cylinder common rail with 2.2 litre capacity fulfils the environmental requirements of EU Stage 3B. The maintenance-free spur gear cog control means that there are no additional operating and maintenance costs.

The patented Bosch Rexroth 4x4 HET ('High Efficiency Traction Control') system guarantees optimum handling in the most difficult conditions. The HET automatically compensates when one or more of the wheels loses traction and therefore ensures ideal handling. Stopping and restarting on an incline of up to 30%, including at the full weight of 3,500 kg is also possible. The electronically controlled hydrostat optimises the interaction between the engine and

the drive to give maximum performance. This is supported by an accelerator pedal that is optimised during operation.

### Other highlights (optional)

Add useful accessories to your sweeper:


- Hand-held suction hose – connection possible on both sides of the hopper
- Third brush – sweeping width of up to 3.10 metres
- High-pressure washer – 140 bar and 11 l/min.
- Suction intake and reversing camera, for optimum overview when sweeping
- Wide tyres or all-terrain tyres for safe and powerful movement on any surface



30%  
incline

# Technical data

<b>Multigo 150</b>	
<b>Basic unit technical specifications</b>	
<b>Engine and drive system</b>	
Engine performance (hp/kW)	67/50
Model	Perkins Diesel 404FE22TA
EU standard	3B
Fuel tank capacity (l)	65
ECO fuel consumption (l/h)	2.9
Fuel consumption acc. to EN 15429-2 B (l/h)	4.8
<b>Chassis and tyres</b>	
Tyre size (standard)	195/75 R16
Wide tyres (optional)	320/55 R16
All-terrain (optional)	255/65 R16
<b>Dimensions and weights</b>	
Basic unit weight (incl. fuel tank) (kg)	1,950
Maximum gross laden weight (kg)	3,500
Payload (kg)	1,550
Permissible axle load, front (kg)	2,100
Permissible axle load, rear (kg)	2,100
Permissible trailer weight, braked (kg)	1,800
Permissible trailer weight, unbraked (kg)	750
Length (mm)	4,170
Width (mm)	1,125
Height (mm)/with rotating beacon	1,975/2,230
Turning circle – inner (mm)	1,941
Turning radius (mm)	3,120
Speed (km/h)	40

<b>Multigo 150</b>	
<b>Sweeper technical specifications</b>	
Hopper capacity (l)	1,500
Fresh water tank capacity (l)	200
Weight as sweeper (kg)	2,485
Length (mm)	4,370
Width (mm)	1,315
Length with third brush (mm)	5,085
Width with third brush (mm)	1,568
Height/with rotating beacon (mm)	1,975/2,230
Fine particulate category: EUnited PM10 and PM2.5	
Sweeping width (mm)	1,565 to 3,100
Suction nozzle (mouth) width x height (mm)	128 x 706
Suction pipe diameter (Ø) (mm)	180







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