

Cleango 550

Sweeper

A compact and incredibly robust sweeper with a powerful drive, which complies with the highest environmental standard, Euro 6e. The redesigned state-of-the-art cab provides a spacious, clear and convenient workplace offering maximum comfort. The operating system is designed logically to enable intuitive operation. The new features ensure the Cleango 550 ideal for everyday cleaning tasks in urban areas.

Highlights

- Compact hopper with a capacity of **5.2 m³** integrated within the vehicle
- **High suction performance** enables sweeping at fast working speeds while **easilycollecting large amounts of debris**
- Smooth and efficient **Euro 6e diesel engine**
- Available as a **2- or 3-brush system** with towed suction shaft

Your benefits

- **Unique workplace:** spacious cab with (adjustable) air suspension driver's seat and controls that can be accessed with one hand. AGR („Campaign for Healthy Backs") tested and recommended.
- **Excellent visibility:** convex rear window enables an **almost 250° view**
- **Minimum fine dust emissions:** the Cleango 550 meets the best level of PM10/PM2.5 certification with 4 stars each.
- **Low wear:** the **towed brush system minimises damage from collisions** and thus reduces brush wear



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Performance features

Sweeping technology

The Cleango 550 is available as a **2- or 3-brush system** and features a towed disc brush system mounted in front of the front axle. Compared to a shunted system, the towed design ensures significantly less collision damage and considerably reduced wear on the brushes.
The 2-brush variant has a sweeping width of 2,200 mm. With the optional third brush, the span swept can be as wide as 3,550 mm. This allows for b**etter coverage rates (up to 66,000 m²/h), sweeping on two levels** and efficient sweeping of surfaces with a large amount of street furniture, which therefore have to be worked in small sections. The reinforced arm carrying the front brush can be used on both the left and right of the machine and can also carry out heavy-duty weed-removal.
All functions of the Cleango 550 can be controlled hydraulically on the control panel in the driver's cab:

- The entire sweeping unit can be hydraulically shifted 300 mm to each side.
- With the optional autonomous brush control system, the angle of the disc brushes can be hydraulically adjusted to the road conditions from the driver's cab.
- Ground pressure on each disc brush can also be adjusted individually from the driver's cab. This enables convenient and thorough sweeping of right-angled corners, gutters and hard-to-reach areas.





Suction and water systems

The **towed suction shaft** is mounted behind the brush and in front of the front axle, and is carried on casters at a constant height above the ground. The suction shaft and disc brushes form a single unit. Suspending the brush unit guarantees optimum tracking and thus coverage to the suction shaft. The flow-optimised suction shaft ensures the sweeping performance remains just as effective even at low fan speeds and with reduced fuel consumption. A hydraulically actuated cover for bulky debris allows even larger items to be swept away. The fan speed can be easily adjusted to almost any level to allow for a fast response to changing conditions.
The **fresh water system** has a capacity of 700 l. The powerful water pump supplies two spray nozzles in each disc brush and the nozzles in the suction shaft. The collected debris is combined with water and compacted to help ensure that only clean air with low particulate levels are released.
The Cleango 550 is certified with the best level **PM10 4-star** and **PM2.5**. The certificate is regarded throughout Europe as a quality feature and awards four stars in the PM10 test for the highest level of air pollution control, and the best possible absorption performance with PM2.5.







Comfort

- This **suspension package** is calibrated for the Cleango sweeper to make driving this machine just as safe and comfortable as a car. It is the perfect combination of good driving comfort, robustness and low maintenance requirements.
- The **high load capacity** and large wheel contact area guarantee greater safety with low ground pressure – regardless of road and weather conditions.
- The wide **steering angle of 64°** combined with the short 2,000 mm wheelbase provides for optimal manoeuvrability with an impressively small turning circle.
- The **optional lockable differential** on the rear axis makes the Cleango 550 the ideal partner even for challenging terrain.

Workplace

The design of the cab focuses on operational comfort and ergonomics. The windscreen extends completely to the cab floor to offer optimal visibility from inside the spacious cab. A special highlight is the new convex rear windows in the rear edge of the cab, which provide an unparalleled field of view of almost 250°. Two large wing mirrors additionally offer a perfect view of the working area and surroundings. An observation window in the cab floor provides an unobstructed view of the suction shaft and the disc brushes.
The cabin is equipped with high-quality sound-proofing and vibration damping. This allows the driver to focus even more effectively and perform their tasks efficiently and safely. The powerful thermal management system also ensures the best possible interior climate while working. The angle of the steering column can be adjusted and the cab can optionally be equipped with three seats.
All controls – including the joystick for the front and side brushes – are within easy reach from the air suspension driver's seat and can be operated with one hand. A modern design and touchscreen display make the user interface truly unique. The ability to store different driver profiles also adds further value for users. The keypad with integrated LED lighting, which is mounted directly in front of the joystick, displays the key functions of the machine. In the two control panels, the operator selects, for example, which work mode they wish to work in or whether to activate the brush pressure setting.
With the AGR (Campaign for Healthy Backs) seal of approval, the Cleango 550 offers tested and certified ergonomics for a healthier workplace and driver.
The multimedia player can be selected as an option, and offers high-quality entertainment and hassle-free smartphone connectivity. Apple CarPlay or Android Auto, for example, can be controlled conveniently and safely via the touch display. Everything from DAB/DAB+ digital radio to audio and video content on USB devices can be played. The multimedia player also features Bluetooth, allowing the driver to make calls safely via the hands-free system.













Hopper



The new Cleango 550 has a **hopper capacity of 5.2 m³**. This is 10% larger than the predecessor model respectively. The larger system volume sets new standards in terms of performance and range. The Cleango 550 guarantees maximum sweeping performance with an extended operating radius. The basic model features a **low tip.** A **high tip** system with slide gate for emptying into containers is available as an option. The integrated scissor lift simultaneously moves the container upwards and closer to the container. This design ensures clean and safe emptying for the driver.
The **hydraulically locked rear flap** with a robust rubber seal creates a watertight seal between the rear flap and the container. The new exhaust air system makes it easy and convenient to switch the exhaust air depending on the sweeping conditions.

Drive

The new **125 kW (170 hp) diesel engine** delivers a powerful torque with low emissions. This meets the emissions requirements of both Euro 6e and Stage V.
The six-cylinder diesel engine has a low fuel consumption while still guaranteeing exceptionally reliable and cost-effective operation. With 600 Nm at 1,200 rpm, this is pure performance with no compromise on fuel consumption and noise emissions.

Modern vehicle technology

- The entire vehicle frame and all important components are hot-dip galvanised to ensure outstanding corrosion protection and long-term use in all weather conditions.
- A generously proportioned water tank with a volume of 750 litres enables long operating times. The tank is also mounted on the chassis to create a lower centre of gravity for better road handling.
- The optional high-pressure pump with a delivery rate of up to 15 l/min and up to 150 bar supplies a 20-metre hose reel with manual spray gun, which is integrated into the vehicle.
- In addition to efficient sweeping, the issue of safety is also important. For this reason, the Cleango 550 can be optionally equipped with a 360° camera to provide a good view of the machine and its surroundings in every transport and work situation.
- The redesigned lighting concept features LED daytime running lights and LED working headlights that optimally illuminate the entire working area.

Wide range of options

- Three front brushes
- Weed brush
- Reversing and suction shaft camera
- High-pressure cleaner
- Air suspension driver's seat
- 3rd seat (additional passenger seat)
- Multimedia player with smartphone connection

IntelliOPS telematics platform

If you want to monitor, plan, control in real time, optimise or, for example, bill third parties for the activities of your Cleango 550, then use the digital solutions on our IntelliOPS platform. IntelliOPS supports you in the efficient use of your individual machine as well as in a network with several machines, including those of other brands. Here you can find out more about our digital solutions and how you can use them in a way that is modular and adapted to your needs.

Variants

Cleango 550 | 2-brush system



A flexible sweeping system helps ensure thorough cleaning in any situation. The towed disc brush system, mounted in front of the front axle, achieves a sweeping width of 2,200 mm.

Cleango 550 | 3-brush system



With the optional third brush, the working width can be increased to 3,550 mm. This enables a greater area coverage and sweeping on two levels.

Related products

eCleango 550

Sweeper



eSwingo 200+

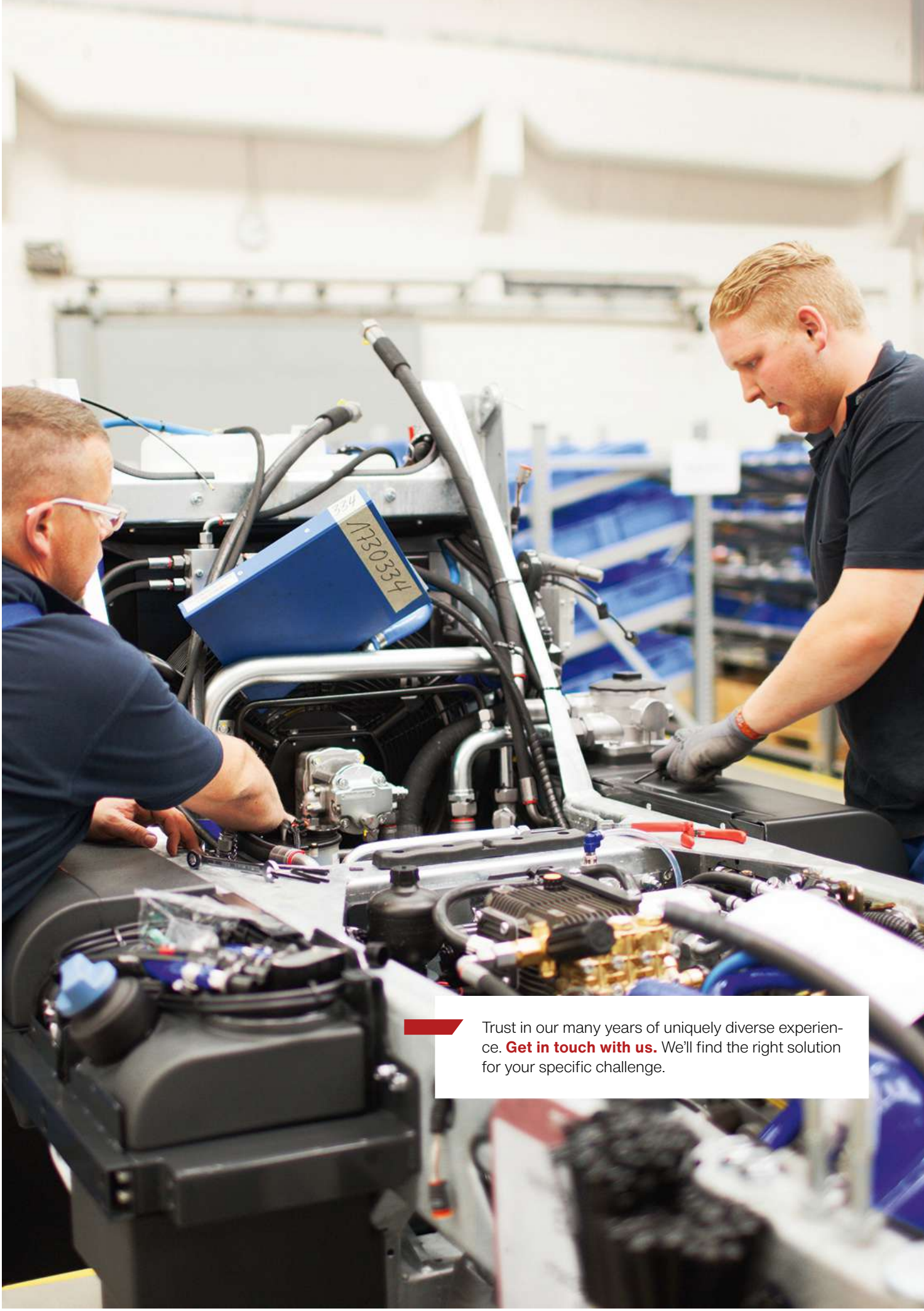
Sweeper



Swingo 200+

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Trust in our many years of uniquely diverse experience. **Get in touch with us.** We'll find the right solution for your specific challenge.

Technical data

	Cleango 550 | 2-brush system	Cleango 550 | 3-brush system
Hopper		
Hopper volume	5.2 m³	5.2 m³
Tilt angle	51°	51°
Dumping height tilt discharge	1,050 mm	1,050 mm
Dumping height high discharge	1,050 - 1,820 mm	1,050 - 1,820 mm
Sweeping unit		
Disc brush diameter	900 mm	900 mm
Disc brush speed	140 1/min	140 1/min
Brush material	steel / plastic / mixfill	steel / plastic / mixfill
Sweeping width	2,200 - 2,800 mm	2,200 - 2,800 mm
Sweeping width with 3rd brush	–	3,550 mm
Water system		
Fresh water volume	700 l	700 l
Steering		
Steering angle front axle	64°	64°
Tires		
Standard front tire size	215/75 R17.5	215/75 R17.5
Standard rear tire size	215/75 R17.5	215/75 R17.5
Speed		
Transport speed	25 / 32 / 40 / 45 / 50 km/h	25 / 32 / 40 / 45 / 50 km/h
Sweeping speed	12 km/h / Option: 18 km/h	12 km/h / Option: 18 km/h
Dimensions		
Length without 3rd brush	4,900 mm	–
Length with 3rd brush	–	5,910 mm
Width without brush	1,870 mm	1,870 mm
Width with brush	2,050 mm	2,050 mm
Height with beacon	2,810 mm	2,810 mm
Wheelbase	2,000 mm	2,000 mm
Track width front	1,580 mm	1,580 mm
Track width rear	1,310 mm	1,310 mm
Weights		
Empty weight of the basic unit approx.	6,400 kg	6,600 kg
Permitted total weight	12,495 kg	12,495 kg
Payload	6,095 kg	5,895 kg

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