



City Ranger 3500 Suction sweeper

The City Ranger 3500 suction sweeper is a top-efficient attachment that is designed for municipalities and contractors. It is dedicated to keeping streets, parking lots, public parks, building sites, etc. clean and good-looking, and it is extremely good at it. Easy to operate and highly manoeuvrable; ergonomically designed and immensely convenient for the driver, who can direct most all operations from the cabin with the multifunction joystick and has an excellent view of everything while working. It always leaves a perfectly clean sweep. And despite its high payload, it only requires a category B driver's license.

Profitability

The suction sweeper is made of high quality components and designed as a simple machine - fully hydraulic, without any electronics for higher wear-resistance. It is characterised by great durability, high reliability, easy maintenance and low operation costs. It is made for heavy duties and around the clock operations seven days a week with a 3-in-1 hopper that is useful for both sweeping and washing streets and collecting grass.

A specialist

Fitted to the City Ranger 3500, the suction sweeper works as expertly and efficiently as any one-purpose machine on the market - but with a lot more to offer. As a member of a multifunctional utility family, the attachment programme includes a number of other purpose-built specialists, thus adding up to a widely extended working range.



With City Ranger 3500, attachment changeovers can be done in less than 10 minutes, indeed a very fast changeover for this machine class.

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Brushes

With a sweeping width of 1.3-2.4 m, the two front brushes are strong enough to sweep while reversing, which is particularly efficient in right-angled corners. The sweeping width is controlled by the operator. So is the quantity of water used for damping the dust. And as the two brushes can be moved in and out separately, it is easy for the operator to sweep around pylons, street furniture and parked cars. Finally, the ground pressure of the brushes is adjustable. When reduced it saves energy and cuts the operating costs, while full pressure guarantees a totally spotless sweeping result.



An optional third brush extends the sweeping width to 3.1 m. The right and the third brush can both be tilted (hydraulically) to increase the pressure and sweep up particularly stubborn dirt. All three brushes are protected against collision as they pull back automatically when meeting an obstacle, e.g. a standpipe.

Hopper

The hopper is made of stainless steel for high durability. With a capacity of 1.4 m³ and a payload of 1.100 kg it is unusually commodious. A big waste trap permits the picking up of cans and other large objects, while two additional doors on either side of the hopper (option) permit the collection and loading of particularly large waste.

The hopper is equipped with a water recycling system that reduces the water consumption significantly while adding to the number of operating hours between refilling of the tank. It has a fresh water capacity of 210 l and a recycled water capacity of 300 l. The high dump of 1.6 m is ideal for direct emptying into industrial containers, while waste water can be emptied directly into the sewage. The tipping function is operated hydraulically from the driver's seat.

Wander hose

The optional wander hose, rolled up inside the hopper when not used, can unblock sewers, suck up leaves, empty trash cans and other containers, thus extending the scope of the sweeper. With a length of 4 m it is able to pick up debris in awkward-to-reach places - up stairs and ramps, on lawns beside the road, under benches and parked cars, etc. It can be connected on either side of the hopper.

Suction power

The sweeper has a very strong suction power and a unique hose routing that always ensures a great and energy-efficient suction performance - even at a low and environmentally friendly noise level.



Dust control

The dust control of the sweeper is nothing short of perfect. Each of the two front brushes are fitted with two water nozzles, while additional four nozzles are positioned inside the suction hose. There is no risk of the sucked up dust being spread around. Naturally, the suction sweeper has been tested for efficiency and is PM 10 certified.

Cleaning and maintenance

Due to the rust free materials and the clean design of all working components, the sweeper is easy to clean and maintain. The suction hose is short and straight, designed for minimum blockage and easy cleaning. The high pressure washer is optional, but immensely handy. It is connected directly to the hopper and fitted with a hand lance that can reach all parts of the machine.

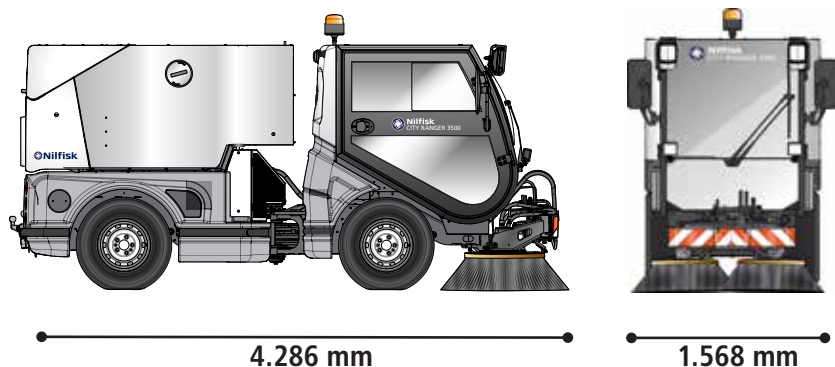


Hydraulic tipping, directly into industrial containers



Technical data

Suction sweeper



Special features:

- Sweeping width from 1.3-2.4 m with 2 brushes, increased to 3.1 m with 3rd brush
- Individually movable front brushes that can be run in and out
- Adjustable brush speed 0-150 rpm
- Pulled brushes i.e. with anti-collision protection
- Wide vacuum nozzle 740 mm located in front of the front axle, supported on 4 caster wheels
- Direct view to the vacuum nozzle through a glass floor panel in the cabin
- Short straight suction hose, Ø190 mm for minimum blockage and easy cleaning
- Stainless steel hopper
- Large hopper capacity: Gross 1.4 m³
- 3-in-1 hopper used for both street sweeping, grass collecting and street washing
- High dump 1.6 m - ideal for emptying into containers
- Tipping angle 90 degrees, for easy emptying
- 210 l fresh water capacity + additional 300 l recycled water in the hopper
- Perfect dust control by 2 water nozzles on each front brush and additional 4 nozzles inside the suction hose
- Waste water can be emptied directly into the sewage
- The sweeper has a transport speed of 38 km/h

Extra equipment:

- Third brush
- Wander hose, length 4 m with connections on both sides of the hopper
- 2 additional access doors on either side of the hopper for loading large debris or litter bins
- High-pressure washer (110 bar / 11 l/min.) with hand lance
- Rear view camera with 7 inch colour monitor
- Vacuum nozzle camera
- Sweeping distance counter (km) and sweeping hour meter
- Stand for attaching/detaching the hopper

Dimensions

With two brushes:

Length	4.286 mm
Width	1.568 mm
Height	1.900 mm

With third brush:

Length	5.086 mm
Width	1.568 mm
Height	1.900 mm

Storage (with two brushes):

Length	910 mm
Width	2.400 mm
Height	720 mm

Storage (with third brush):

Length	1.350 mm
Width	1.550 mm
Height	1.370 mm

Technical data

Weight - hopper	550 kg
Weight - front brushes, 2 brushes	100 kg
Weight - third brush	200 kg
Weight - hopper stand	135 kg
Payload in hopper	1.100 kg
Hopper volume	1.400 l
Tipping height	1.600 mm
Water tank volume	210 l
Circulating water volume	300 l
Clearing width with two brushes	1.300-2.400 mm
Clearing width with three brushes	3.100 mm
Variable brush RPM	from 0-150 per minute
Clearance below vacuum nozzle	150 mm
Ground clearance below brushes	110 mm
Airflow	6.800 m ³ /h
Air speed	65 m/s
Vacuum	147 mbar / 1500 mm water column
Wander hose reach (extra equipment)	4.000 mm
Wander hose diameter (extra equipment)	Ø120 mm

High-pressure cleaner (extra equipment)

Hose reach	8 m
Water pressure - adjustable up to	110 bar
Water capacity	11 l/min.

Dust levels according to EUnited

PM10 certified

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