

# Special truck- mounted **sweepers**

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A complete product range of multi-functional, heavy-duty and custom equipment for construction, industrial, road and airport applications



# **Why** choose a Bucher unit?

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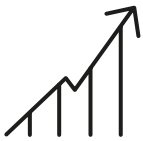
**Optimized for any job**

A wide range of option modules allows you to customize your special truck-mounted sweeper to your needs. No job is too big for any Bucher unit.



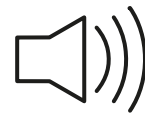
**Low maintenance costs**

Modularly built units with standardized components and a world-wide service network provide easy access to service and spare parts.



**Increased capabilities**

A wide range of hopper sizes, water tanks and sweep gear gives you greater flexibility so you can outperform on any area of application.



**Low noise levels**

With the high-capacity fan it is possible to reduce engine noise. Its vibration dampers help minimize disturbance and wear and tear.



**Made to last**

Stainless steel and heavy-duty modular construction ensure the unit can withstand the harshest conditions every time.



**Society and environment**

We live up to our responsibility to society and environment by focusing on functional engineering, environmental integrity and driving comfort.



**Best customer experience**

We are with you all the way from idea to delivery, training, and service to ensure that you always get the best customer experience.



# Customized and powerful sweeping

## Driven by better

At Bucher Municipal, we offer a wide range of special truck-mounted sweeper equipment for municipal and contracting applications, using only high-quality materials, components from world-renowned suppliers and advanced technology. We are driven by a passion for people and a dedication to helping customers become better – by using less. We are driven by better.

## Performance and sustainability

The special truck-mounted sweepers from Bucher Municipal are all developed, continuously tested around the world and perfected to ensure you get the best performance with a low environmental impact and a high return on investment. That is why our products are constantly playing a central role in ensuring both a safe and clean environment and a profitable business for our customers.

## Types and capacities

Special truck-mounted sweepers from Bucher Municipal are available with equipment suited for airport and road applications.

Different sizes for different capabilities. Choose between two, three or four axles.

Hopper sizes available are 9 m<sup>3</sup>, 12 m<sup>3</sup> and 14 m<sup>3</sup>. Increase water capacity with additional water tanks inside or outside the hopper.

## Only the best is good enough

Attention to details is the very core of our business. Our hoppers are custom-built by our highly-skilled welders and made of stainless steel AISI 304 (1.4301) which is highly resistant to corrosion. We carefully choose our materials and follow well-documented procedures to ensure that every sweeper that leaves our factory can withstand the most extreme conditions - from the arctic temperatures of Siberia to the extreme heat of the deserts. Simply because we strongly believe that only the best is good enough.



Road applications



Airport applications



### Bucher XPowa

Powerful & highly customizable. Rear suction and water systems specially configured for deep road cleaning.

### Sweep gear

Customize your unit from a wide selection of options for front-, mid-, top- and rear-mounted equipment.

### Hose reel & hand lance

These are part of the high-pressure water systems. Choose between a regular or hydraulic hose reel.



**Good fuel economy**

The choice of materials and components used in the special truck-mounted sweepers from Bucher Municipal are key to preserving a good fuel economy. E.g. our newest power pack is provided with a belt driven high-capacity fan and the highest euro norm engine available. This contributes to a high performance with a low fuel consumption and CO<sub>2</sub> emission.

**Effective workday**

The special truck-mounted sweepers from Bucher Municipal are optimized so only one person is needed to safely operate the equipment. The option of additional water tanks allows you to carry a larger volume of water, this means more time sweeping and less time unloading and refilling. The ergonomic controls and user-friendly interface makes it easy to control and adjust the system.

**Advantages**



**Reliability**

Regardless of the unit you choose from Bucher Municipal, you can be sure it is built to perform and last under different conditions.



**Cost**

International components, robust construction, modularly built means easier spare part replacement, faster service and less down-time.



**Safety**

The hopper, water tanks & sweep gear are perfectly placed for a low center of gravity. Work lamps & beacons add safety on the field.



**Performance**

High performance with the newest engine technology and the stainless steel hopper with integrated water tanks on each side of it.



**Bucher XPowa aero**  
Powerful sweep gear and water system configured for stand cleaning and glycol recovery.



**Functionality everywhere**  
Rear door for emptying and maintenance, safety beacons, and a practical ladder and hose coupling on the back.



**Wide suction**  
Effective liquid recovery with a highly efficient wide suction. Useful in airports to remove glycol from the stand.







# Robust & flexible operation

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Free from all compromises of mass production, Bucher Municipal develops special truck-mounted sweepers with tailor-made components of the highest quality. Each one of these units are custom-built for you to fit your specific requirements and applications. To ensure unrestricted suitability for daily use, only selected materials are used to ensure you get the highest possible resource efficiency.

The special construction of the special truck-mounted sweepers guarantees you a heavy-duty vehicle with an extraordinary service life and reliability in your daily work. It also provides you with multifunctionality on the field of operation as some of the brush gear can be interchanged with others, increasing your productiveness.

Experience a robust and flexible operation with great performance in a wide range of demanding applications.



## Control systems

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Experience the intuitive in-cab control systems with the practical and ergonomical control panels. Choose between standard or integrated controls. The panel layout, type of buttons used and the colored screen add to the ease of operation and feedback received from the machine.

### Switches mounted on console

Manage all the brush gear functions from your unit in one place with the standard control panel mounted in a practical console inside the cabin. As an option you can add a lamp above the panel for better visibility.

### Switches mounted on dashboard

Keep the center of the cab clear of obstructions with a control panel mounted into the dashboard and, whenever possible, into the overhead console as well. This layout is not only ergonomical but also specially useful if a sleeper cab is specified.

### Separate on/off ergo switch

Two button positions and a toggle function allow the operator to program the brush gear functions from the main control panel, raise the equipment into stowed position and lift the suction nozzle to allow larger objects to be sucked into the hopper.





**Standard control panel**

A practical control panel is mounted on a separate console as a standard on all special truck-mounted sweeper units. This can also be provided with a lamp that works independently from the cab's light.



**Integrated control panel**

Enjoy a seamless and ergonomic integration of all the sweep gear functions directly into the special truck-mounted sweeper's dashboard.



**On/off ergo switch**

A selection of the most used brush gear switches can be placed in the door panel. This allows the operator a quick, safe and easy access to these controls without having to find them on the master control panel.





## Power pack modules

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All three power packs; Standard, High-capacity fan and Hydrostatic, have a maximum suction power and sweeping performance at a low fuel consumption, for an efficient and economical use. On top of that, the auxiliary engines are now equipped with the latest EU emission standard, Stage V ensuring even lower engine emissions.

### **Better for the operator and the environment**

The fan is encased and mounted on silent blocks and its exhaust is led upwards through a sound-insulated air duct. This results in a low level of noise for the driver and his environment, residue-free exhaust emissions, and no disturbance when working behind the vehicle.

### **Increased efficiency and easier service**

The power packs help you provide a better sweeping performance, more flexibility for your daily tasks and operations and a smoother power loss. The international components ensure you can find spare parts on many workshops, minimizing downtime in service and repairs..

### **Less maintenance and wear and tear**

The pump for the brush gear is driven directly out of the auxiliary engine PTO instead of a belt drive, increasing efficiency and minimizing maintenance. The air outlet goes out on the roof without compromising the components, this minimizes failures due to corrosion or impairment of functions.

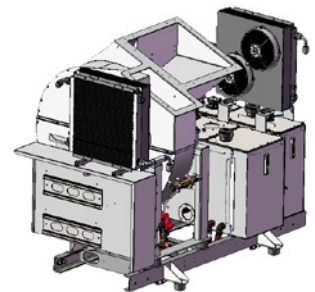
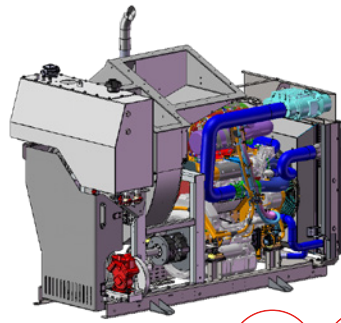
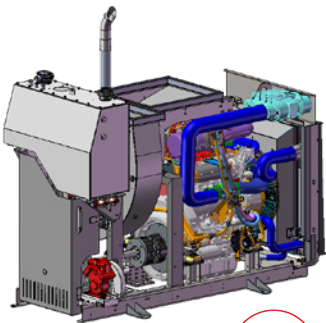


	<b>Standard</b>	<b>High-capacity fan</b>	<b>Hydrostatic</b>
EU emission standard	Stage V	Stage V	Chassis dependent
Engine	Twin: 4 cylinder - 129 kW	Twin: 4 cylinder - 129 kW	Single: Chassis
Capacity	4765 cc	4765 cc	Chassis dependent
Operating revs	900 - 1800 RPM	900 - 1800 RPM	1100 - 1400 RPM
Power output	129 kW @ 2050 RPM	129 kW @ 2050 RPM	Chassis dependent
Max torque	690 Nm	690 Nm	Chassis dependent
Fuel consumption	5 - 18 l/hr	5 - 20 l/hr*	8 - 30 l/hr

\*In normal sweeping mode 7,5 l/hr

**Note:**

Typical operating speed for normal sweeping is 1200 to 1400 rpm.



**Standard**

With the use of an twin engine with 129 kW, power is transmitted to the dynamically balanced fan via a belt drive system and a fluid coupling.

**High-capacity fan**

Benefit from this high performing power pack that has air flow as high as the hydrostatic one at a very low fuel consumption and low noise level. Power transmission is done via a belt drive system and fluid coupling.

**Hydrostatic**

The hydrostatic transmission offers an ultimate speed control, starting from 0.5 km/h. These transmissions can also be used to power all sweeper and washer functions from the chassis engine. Enjoy the absolute freedom between power and speed.



## Hopper modules

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The hoppers are manufactured from heavy-duty stainless steel (AISI 304 1.4301) to ensure a long service life. The thickness for the steel on the hopper is available from 3 mm to 6 mm depending on the strength requirements. The option of using AISI 316 stainless steel is ideal where excessive exposure to either salt air or other corrosive material is likely to be experienced.

The optimum tilt angle of the hopper body and the opening angle of the rear door ensure a fast and complete emptying of the sweeping material.

### Hopper body

The design of the hopper body provides maximum payload capacity, ease of waste discharge and cleaning capability. A rear inspection hatch allows the operator to check on payload status.

### Rear door

The hopper's rear door has a four-point locking system to ensure optimal sealing. The generous width of the door allows an easy waste discharge and a maximum accessibility to the operator for inspection and maintenance.



	<b>V90</b>	<b>V120</b>	<b>V140</b>
Voided air volume	9 m <sup>3</sup>	12 m <sup>3</sup>	14 m <sup>3</sup>
Payload capacity*	4950 kg	11000 kg	13000 kg
Hopper tip angle	53°	40°	37°
Rear door opening angle	115°	115°	115°
Rear mesh area	1.8 m <sup>2</sup>	1.8 m <sup>2</sup>	1.8 m <sup>2</sup>
Typical chassis GVW	18 tonne	26 tonne	26 tonne
Typical chassis layout	4x2	6x2*4	6x2*4

\*Dependant on chassis and options required



**9 m<sup>3</sup> hopper**

Ideal for smaller jobs. This is a small but powerful unit designed to outperform in a wide variety of areas and applications. The smart hopper body design provides not only a maximum payload capacity, but also an easy waste discharge and cleaning capability. Each component is manufactured from stainless steel to ensure all-round protection from the elements.

**12 m<sup>3</sup> hopper**

Ideal for most jobs. Experience this unit's flexibility and performance on a wide variety of areas and applications. The smart hopper body design provides not only a maximum payload capacity, but also an easy waste discharge and cleaning capability. Each component is manufactured from stainless steel to ensure a long service life.

**14 m<sup>3</sup> hopper**

Ideal for demanding cleaning. The larger capacity allows for more challenging jobs. More room to carry more water and to accommodate a heavy duty brush gear configuration. The hopper body design provides a maximum payload capacity, waste discharge and cleaning capability. Each component is made from stainless steel to ensure all-round protection from the elements.



## Water tank modules

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As a standard, our hoppers are provided with two standard water tanks fixed vertically on each side for optimum weight distribution in the payload.

When longer sweeping times are required, access to fresh water is limited or when larger quantities of water are needed (such as with high-pressure, high-flow water systems), having additional water becomes necessary. Additional water can be added in two ways, either by adding a water tank inside the hopper or between cab and hopper.

### **Increase your water capacity**

Based on your sweeping requirements, you can customize the water capacity of your special truck-mounted sweeper with any of the five additional water tank modules available. Do you need more capacity than the options listed here? Not a problem. Further special setups are also possible.

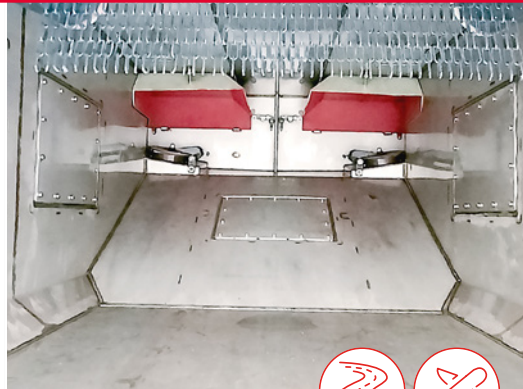
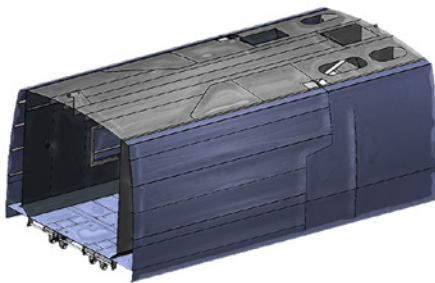


	V90	V120	V140
Std. water tanks' capacity*	2660 litres	3660 litres	4320 litres
Std. water tanks position	In hopper, left and right side	In hopper, left and right side	In hopper, left and right side
Add'l. water tank capacity (OPT1)	600 or 1000 litres	600 or 1000 litres	600 or 1000 litres
Add'l. water tank position (OPT1)**	In hopper, fixed to water tanks	In hopper, fixed to water tanks	In hopper, fixed to water tanks
Add'l. water tank capacity (OPT2)	1100, 1500 or 2000 litres	1100, 1500 or 2000 litres	1100, 1500 or 2000 litres
Add'l. water tank position (OPT2)***	Behind cab	Behind cab	Behind cab
Add'l water tank width (OPT2)	315 mm	315 mm	315 mm

\*Rear suction option reduces capacity by approx. 340 litres

\*\*In-hopper water tanks reduce voided air volume

\*\*\*Weight calculation needed to ensure axles aren't overloaded



**Standard water tanks**

Positioned on both sides of the hopper body, each tank has a hatch for cleaning and inspection. The hatch can be accessed from inside the hopper body. The tanks are manufactured in stainless steel, type 1.4301 (304) as a standard or type 316 as an option.

**Add'l. water tank (OPT1)**

Located inside the hopper and linked to both standard tanks for optimal weight distribution and balance of the vehicle during water consumption. The tank is manufactured in stainless steel, type 1.4301 (304) as a standard or type 316 as an option.

**Add'l. water tank (OPT2)**

Located between the cab and the hopper. Same length as the hopper for optimal weight distribution and balance of the vehicle during water consumption. The tank is manufactured in stainless steel, type 1.4301 (304) as a standard or type 316 as an option.



# Special truck-mounted sweepers for a **wide range** of applications

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# Front/mid-mounted equipment

	Single sweep	Dual sweep	Simultaneous sweep	Full width suction*
Sweeping width	Up to 2550 mm	Up to 2250 mm (L or R)	3500 mm	3600 mm
Channel brush size	700 mm <sup>1</sup>	2 x 700 mm <sup>1</sup>	2 x 700 mm <sup>1</sup>	2 x 1100 mm <sup>3</sup>
Suction nozzle size	600 mm <sup>2</sup>	2 x 600 mm <sup>2</sup>	2 x 600 mm <sup>2</sup>	2400 mm <sup>2</sup>
Inlet tubes, Std.** fan	275 mm	2 x 275 mm	2 x 275 mm	275 mm
Inlet tubes, HC*** fan	300 mm	2 x 300 mm	2 x 300 mm	2 x 300 mm

\*Airport \*\*Standard \*\*\*High Capacity  
<sup>1</sup> Steel <sup>2</sup> Rubberised steel <sup>3</sup> Polly or Steel



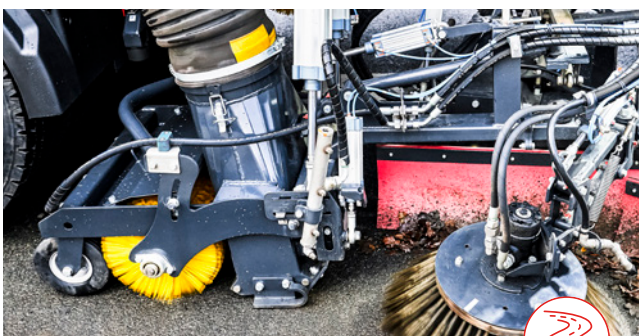
### Channel brush

Channel brushes with trailing arms that minimise the risk of damage on collision with curbs or other obstructions. Choose between single or dual brushes with either fixed or side sliding operation.



### Wide suction

Used mainly on airports for fast pick-up of glycol or any type of fluid, it allows the operator to drive immediately over the spill and fastly recover liquid across the full width of the chassis.



### Rear brush

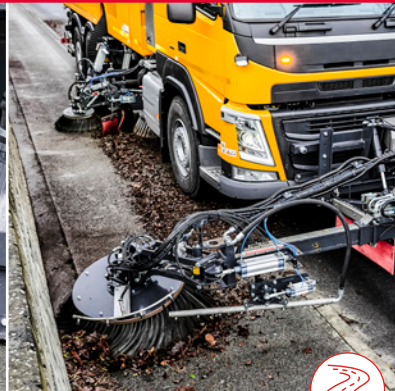
The brush sits immediately behind the suction nozzle to enable a rapid pick up with a very low twin engine RPM. This reduces not only the fuel cost but also the noise.



### Wide suction with brushes

Used mostly on airports and military establishments. Choose two or three channel brushes for full width scrubbing area. Can be used also with the detergent dispersal system or alone without brushes for spill recovery.





### Brush unit

The channel brush and the suction nozzle can extend up to 400 mm enabling the machine to keep away from the edges of a freshly laid surface. As an option, you can have a sliding centre brush.

### Rotatilt function

The rotatilt function of the channel brush allows the operator to precisely angle the brush both laterally and longitudinally within a 360 degree angle so that the brush orientation matches the job at hand. The brush can be flat for general sweeping or angled for cleaning gullies. This function can be installed on either a channel brush or front brush.

### Special front brush

For the ultimate reach and flexibility, this large front-mounted brush can slide up to 1100 mm to provide a great advantage when sweeping lay-by, bus stops, along roads with overhanging trees and even when sweeping tunnels. The brush can just as easily be placed on top of the kerb to brush debris away and into the path of the channel brush.

### Weed rip brush

The side sliding weed rip brush can extend up to 750 mm to clean kerbstones from weed. The front-mounted version can keep the debris away from the front wheel to prevent compacting. The modular design with controls and quick-release connections allow the operator to multitask with the same machine by interchanging the weed rip brush with a scraper or edge cutter.





**Simple scrapper**

Mounted behind the front right or left wheel, the simple scrapper can extend up to 750 mm to lift compacted mud and debris from the surface. The smart modular design with controls and quick-release connections allows the operator to multi-task with the same machine by interchanging the scrapper with the weed rip brush or edge cutter.

**Full width scrapper**

Used for the removal of dried on or compacted debris that is across the road surface such as building sites, where a lot of construction activity takes place or where vehicles cross the road leaving mud that 'sticks' to the surface. Three variations are available, one perpendicular to the direction of travel and two offset by 17° to direct debris to the suction nozzle.

**Pivoting roller brush**

The front-mounted pivoting roller brush is very versatile. It can be used for multiple applications such as snow removal or fast sweeping larger areas, but it is especially effective for brushing freshly milled asphalt. The roller can easily be removed to perform normal sweeping jobs or be interchanged with another piece of sweeping equipment.

**Magnet**

Front-mounted magnet that can be removed or replaced for regular sweeping jobs. The stainless steel magnet allows you to collect ferrous objects in your path quick and easy when carrying out runway or road side clearing. Magnet width is 2400 mm with a 50 mm operational clearance and flux density up to 1480 gauss.





## Water system modules

The special truck-mounted sweepers from Bucher Municipal have built-in dust suppression water sprays. Other applications include surface deep-clean such as with drain asphalt cleaning, high-pressure rinsing such as with airport stand cleaning, and overall assisting the sweeper achieve greater results in a whole

variety of applications. Choosing the right water system for your needs and applications is crucial for your unit to perform to its maximum potential. Whether to choose high-pressure, high-flow or both and whether to use V-jets and/or rotating jets depends on the application and results desired.

### Spray bar configuration

Combined with brushes

### With V-jets

From 600 to 2550 mm

### With rotary jets

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### With rotor cleaner (S/N)\*\*

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Combined with suction

Up to 2400 mm

Up to 2400 mm

From 1200 to 2400 mm

Stand alone

Up to 2500 mm\*

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\*Numerous configurations can be set up after your wishes.

\*\*S: Standard / N: Narrow

Also relevant is the position the spray bars have in relation to the sweep gear. Below are listed different possibilities available.

**Ref. Spray bar position**

- 1) Front-mounted, fixed

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- 1) Front-mounted, manual pivot

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- 1) Front-mounted, pneumatic pivot

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- 2) Behind wide sweep brush

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- 3) Behind suction nozzle with V-jets

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- 4) Behind channel brush with V-jets

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- 5a) In front of wide suction with V-jets

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- 5b) In front of wide suction with rotating jets

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- 6) To the side of the wide suction with V-jets

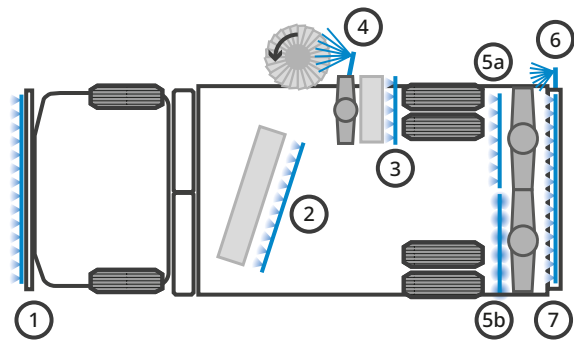
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- 7) Behind wide suction with V-jets

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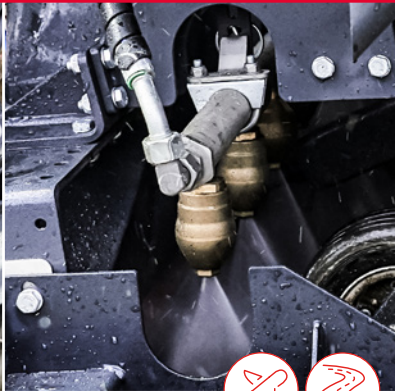
### High-pressure water systems

140 bar @ 47 l/min	175 bar @ 172 l/min
150 bar @ 106 l/min	300 bar @ 136 l/min
200 bar @ 106 l/min	240 bar @ 172 l/min
280 bar @ 74 l/min	400 bar @ 100 l/min



**Spray bar positions.** Description on the left.

Numerous configurations can be set up after your wishes



**Spray bars with V-jets**

These jets are used to help loosen stubborn material on concrete and other non-porous surfaces. The V-jets are angled slightly forward to provide the optimum angle for cleaning. Each of the jets can be unscrewed for an easy maintenance, cleaning, repair or replacement.

**Spray bars with rotary jets**

A very powerful application for in-dept cleaning. These jets have a ceramic nozzle orifice that provides a rotating jet of water with a high-speed pulsing effect hitting the surface and dislodging the debris so the wide suction immediately behind can suck it into the hopper.

**Hose reel and hand lance**

Included with the high-pressure systems are a hose reel (15 m) and high-pressure hand lance. Used for cleaning of the vehicle, signs, taxiway lights and spot cleaning of road surfaces where stubborn dirt persists (hose is regulated to max. 120 bar). As an option, you can change the hose reel to be hydraulic.

**Heat exchanger**

Sweep in temperatures down to minus 3 degrees celsius by using the heat of the twin engine to heat up the water to approximately 5 degrees celsius. The water is drawn from the tank, through the filter and into the heat exchanger before passing through the pump and out to the nozzles.





## Rotor cleaner

As an alternative to full width rear suction and spray bars, Bucher Municipal offers a rear-mounted rotor cleaning system. It has rotating spray bars and a wide suction that cover the full width of the truck and can be used with a range of high-pressure pumps from 100 to 400 bar.

It is completely enclosed, ensuring there won't be any water spillage as you clean and it has a high vacuum that effectively collects all water and waste. This system is equally valuable when used in road maintenance, construction, industrial site cleaning, and aircraft parking stand cleaning.

### Superior results with less resources

It operates at 60 to 80 l/min compared to the traditional 100 l/min. This reduces the costs of fuel, waste disposal, refilling and allows for better utilisation (more on-station time). It can also be used in conjunction with the detergent system.

	Standard	Narrow
Suction width	2400 mm	2400
Nozzle spray (bars/jets)	4 bars w. 8 jets	8 bars w. 16 jets
Spray bars diameter	600 mm	300 mm
Suction nozzle width	2 x 1200 mm	2 x 1200 mm





# Detergent systems

## Mixer system

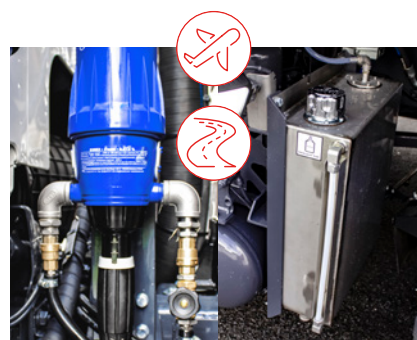
The detergent is mixed with water from the internal tanks and it is applied via the std. front-mounted spray bar with the std. low pressure water pump.

## Stand alone system

The cleaning agent is mixed with water in the tanks and it is applied via a front-mounted spray bar that pours the mix directly onto the surface to be cleaned.

## Spray bar possibilities

All valves open	Spray width of 2500 mm
Left valve closed	Spray width of 1250 mm (right)
Right valve closed	Spray width of 1250 mm (left)



## Mixed solution dispersal

Proportional feeder, 25 litre detergent tank & front-mounted spray bar w. valves, hoses, fittings and controls.



## Stand alone dispersal

200 to 400 litre detergent tank, membrane pump, spray bar, valves, hoses, fittings and controls in the cabin.







# Top/rear-mounted equipment



### Rear-mounted wanderhose

Available with either a pneumatic or sprung counter-balance system for an easy operation, the wanderhose can have a reach of 2 or 3 m and a diameter of 170 or 200 mm depending on the type of operation used.



### Top-mounted wanderhose

It can be used on the left, right and/or back side of the vehicle. Available with either a spring relieved or hydraulic control for an easy operation. Choose between 150 or 200 mm wanderhose diameter.



### Magnet

Collect ferrous objects in your path quick and easy without interfering with other instruments and out of the way from the rest of your brush gear. Flux density up to 1380 gauss.



### Rotor cleaner

Alternative to the full width rear suction and spray bars. Achieve superior results using lower volumes of water. This system operates at 60-80 l/min compared to the traditional 100 l/min.



### Rear suction

The full width and power of the rear suction results in the majority of water being sucked back into the hopper leaving the surface suitably dry for immediate use. Add side suction and heavy-duty intake seats as extra options.





## Safety & storage equipment

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### Keep yourself and your gear safe

Rear view cameras and additional lighting options are available to increase the comfort and safety of the operator and those around the vehicle. The dedicated storage compartments allow a safe keeping and transport of your work gear.

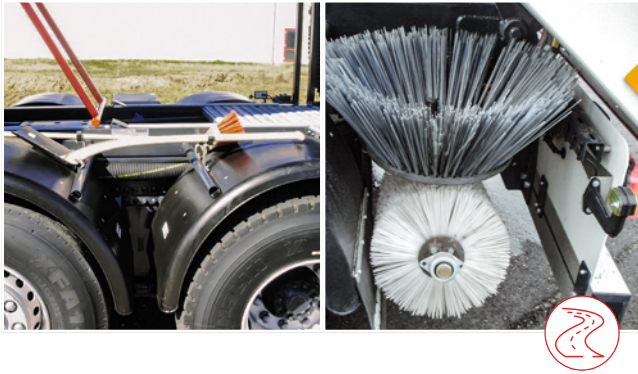
### Practical storage

Increase your safety and productivity by storing your extra work gear in a secure manner. The convenient storage compartments available throughout the sweeper make it easy for you to transport anything from a broom and hoses to even a channel brush.

### Additional lighting

Due to personal preference or extra regulations in the area of operation, sometimes additional lighting options are required. See and be seen better during your work day thanks to the extra beacons, blitz and work lamps that can be added to different parts of the special truck-mounted sweeper.





**Equipment stowage**

Different types of facilities are available in the vehicle to store equipment such as a spare channel brush, a water hydrant stand pipe with key and even a full size broom and shovel.



**Tool box**

Mounted in a convenient area of the sweeper, the tool box provides the operator with sufficient space to keep the hoses, adapters and tools needed during the day without needing to keep them in the cab.



**Rear view camera**

Heavy-duty cameras mounted on the rear (single), rear and offside (dual) or rear, front and sides of the vehicle (360°) provide instant feedback to the operator on the correct function of brushes as well as rearward vision.



**Rear view screen**

The single, dual or 360° camera system comes with a camera and a 7" or 10" color screen mounted in the cab to provide optimum visibility and ensure the safety of the driver and those around the vehicle.



**Additional blitz light**

Depending on local traffic regulations some vehicles require blitz type flashing lights fitted to the front or rear of the sweeper. These are used when the machine is working and usually operate when the beacons are on.



**Extra beacon**

If needed you can add an extra beacon on the cab or hopper in addition to the two beacons that are fitted to the hopper as a standard on all Bucher special truck-mounted sweepers.



# High-end sweeping equipment for an **outstanding performance**

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# Bucher XPowa aero applications

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Bucher XPowa aero is available for two main airport applications: Stand cleaning & Glycol recovery





## Bucher XPower aero **glycol recovery**

The efficient liquid recovery and load capacity of this machine allows to collect glycol where gate de-icing is carried out.

Off loading is fast and trouble-free using the off load pump and the heated hopper floor. If the side brushes are chosen as an option then other tasks can be carried out such as stand cleaning when the weather is warmer.

### Optional equipment

- Additional water tanks
- Detergent tank, 400 litres
- High-pressure systems
- Warm water system
- Side brushes

### Basic configuration:

- 9 m<sup>3</sup> hopper in stainless steel
- Standard fan
- Wide suction 2.4 m
- 4" off-load valve on the rear
- Load indicator
- Camera system







## Bucher XPowa aero **stand cleaning**

The stand cleaner is offered in a number of configurations to suit all sizes of airports. The primary function of these machines is the cleaning of spills, also oil and grease from aircraft parking stands.

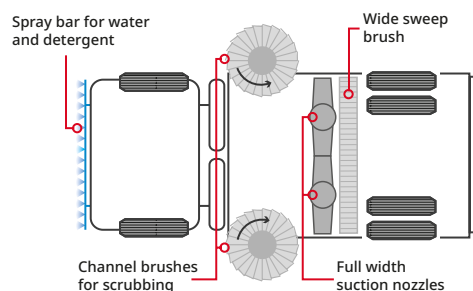
This machine can also be used for other cleaning and sweeping applications for example glycol recovery and even snow clearance in the winter time with the front roller brush. This allows a year-round use making it much more cost effective.

### Optional equipment

- 9, 12 or 14 m<sup>3</sup> hoppers
  - Additional water tanks
  - 3<sup>rd</sup> brush
  - Side blast nozzles
  - Rotor cleaner
  - High-pressure systems
  - Magnetic bar (front or rear-mounted)
  - Front roller brush and snow plough
- More options are also available.

### Basic configuration:

- 9 m<sup>3</sup> hopper in stainless steel
- Water capacity, 2900 litres
- Detergent tank, 200-400 litres
- High-pressure pump, 200 bar @ 100 litres
- Full width suction nozzles
- Wide sweep brush for sweeping or scrubbing
- Channel brushes (left/right) for sweeping or scrubbing
- Multiple spray bars for detergent dispersal and application of high-pressure water







The detergent and high-pressure water systems facilitate runway cleaning in combination with the detergent system using gentle environmentally friendly solvents.

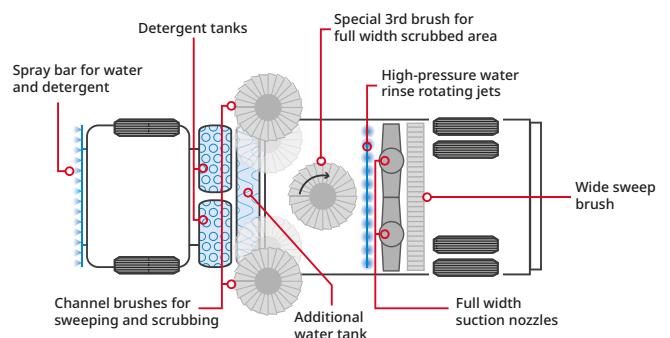
These spills are not only dangerous and slippery when wet, they also represent an environmental issue. This sweeper will quickly clean and decrease the surface making it ready for immediate use.

### Optional equipment

- Additional water tanks
- Detergent tank, 400 litres
- High-pressure systems
- 3<sup>rd</sup> brush

### Alternative configuration:

- 14 m<sup>3</sup> hopper in stainless steel
- Water capacity, 3980 litres + 1500 litres
- Hydrostatic power pack
- Detergent tank 200-400 litres
- High-pressure pump, 300 bar @ 100 litres
- Full width suction nozzles
- Wide sweep brushes for sweeping or scrubbing
- Rotor cleaner system, rear-mounted
- Multiple spraybars for detergent dispersal and application of high-pressure water





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