

Discover our full range of **airport sweepers**

A complete and sustainable machine range for all
your airport sweeping and cleaning operations



Over a century of **technical excellence** through innovation

Providing sweeping and cleaning solutions
to the aviation industry

Bucher Municipal brings together some of the most industry renowned brands from sweeping and cleansing manufacturers. Dating back over 100 years the roots of the Bucher Municipal brand encompasses industry leading expertise from Johnston, BEAM and Schörling resulting in a global team of excellence for airport sweeping and cleaning under one company and brand, Bucher Municipal.

At Bucher Municipal we take our role as market leader and pioneer seriously. Combining the heritage of our brands in combination with our employees' forward vision delivers a winning formula. This enables us to provide innovative products to sustainably support the aviation industry.

The Bucher Municipal core philosophy of innovation delivers products and services which go beyond the conventional to provide added value for our customers.

The foundation of innovation starts with our highly skilled research and development team who constantly evolve our products, integrating the latest technology and utilising state of the art software and simulation tools to deliver customer inspired specifications.

Determination and zero compromise from the entire Bucher Municipal team guarantees longevity of relationships with our customers and partners - Driven by better.



Take your **performance** to another level

A quality brand with sweeping



Sustainable solutions

By leading the way on efficiency, electrification and use of alternative energy, we ensure your access to quality equipment designed to reduce CO₂ emissions, noise pollution, energy and water consumption. Enabling us to set new standards – together – and taking us one step closer to providing airport sweeping equipment which has minimal impact on the environment and air quality.



Superior product quality

We understand airport operations require solutions designed with high quality and reliability in mind. Made in-house so that you can rest assured every piece of equipment in your possession has been tried and tested, based on our years' of experience working with airport sweeping and cleaning operations.



Partnerships that are here to stay

At Bucher Municipal, we are all driven by the same goal: to continuously improve sweeping and clearing solutions. That is why we work right alongside you, adapting to local requirements, learning how you operate and discovering what you need to deliver your best. We have delivered over 900 machines to airport customers in 80 countries during the last five decades, providing you with the peace of mind we are with you for the long haul.



Reliable service

With our comprehensive customer service and support network – backed up by the latest technology, intelligent vehicles and digital solutions – you can always rely on Bucher Municipal to help you solve any task. From carrying out regular maintenance, to maximising fleet uptime our skilled factory trained engineers and parts team are available to support your airport operations.



Technology leadership

We understand the importance of your operations and will transform your requirements into technology enabled solutions to create better, more efficient working practices. It is why we constantly challenge industry standards: to develop groundbreaking, innovative technologies and find more efficient ways to help our communities run smoothly.



Driving **sustainable** change through innovation

Harnessing the transition to electrification and alternative fuels

As the world becomes more environmentally conscious, the demand for alternative energy increases. For Bucher Municipal that means creating sweeping and cleaning solutions that do not just meet current needs, but which can prepare us for net zero carbon emissions. At Bucher Municipal, we take our role as marketleader and pioneer seriously.

Introducing new electrified solutions and developing technologies to support our increasing use of alternative fuels. This helps us guarantee constant delivery of high-quality customer focused equipment and reliable, future-proof solutions.

Over the years, we have introduced solutions such as:

- A fully electric truck mounted sweeper
- The second generation, all-electric, range of heavy-duty compact sweepers
- The world's first fully electric heavy-duty spreader
- A fully electric sewer cleaner vehicle

We take pride in driving the industry forward, adopting more sustainable practices and helping put large-scale alternative energies within reach of everyone.



Take advantage of the widest range of airport sweeping and cleaning solutions on the market. From Europe's first quality and reliable electric truck mounted sweeper, to the autonomous and versatile compact sweeper.

For every sweeping and cleaning task at the airport, both airside and landside, we have a safety-conscious solution which will keep you operational whatever the conditions.

For every airport **sweeping** task



Cleaning Task	Compact sweepers	Truck mounted sweepers
Terminal frontage, Access Roads, Car parks	✓	x
Heads of stands	✓	x
Stand cleaning and Spillage recovery	✓	✓
Glycol recovery	x	✓
Runway sweeping & FOD removal	x	✓



Technical specifications

MaxPowa V95t aero	
Hopper capacity	9.5 m³
GVW	18 - 20 tonne
Maximum swept width	3400 mm
Water tank capacity	1500 litres
Total possible water capacity	4000 litres
Max recommend sweeping speed	40km/h
Drive	Twin engine
Powapack	210 kW



Bucher **MaxPowa V95t aero**

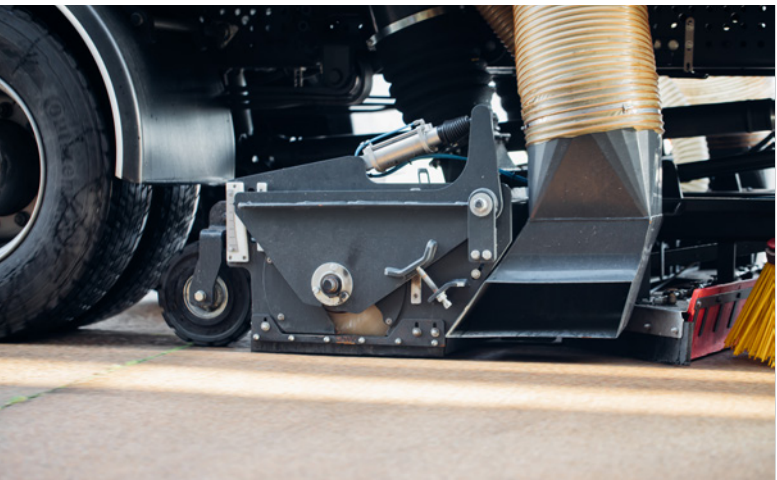
The Bucher MaxPowa V95t aero is renowned as the global leading, high speed runway and multi-purpose airport sweeper capable of sweeping your airport foreign object debris (FOD) free.

Whether you are looking to keep your commercial airport runways, taxiways and aprons safe or need the highest performance of material pick up to remove foreign object debris on a military airfield the Bucher MaxPowa V95t aero is the machine to perform. From glycol recovery to high speed runway sweeping; all your airport cleaning tasks are covered.

The Bucher MaxPowa V95t aero airport sweeper has been developed to provide exceptional performance with the lowest environmental impact, combined with ease of use and low operational costs. With an impressive array of standard airport inspired features on the machine including full width multipurpose suction nozzles, side airblast nozzles and an easy to operate in cab mounted colour control panel.

It's clear to see why the MaxPowa V95t aero has become the sweeping equipment of choice for numerous airports and military forces across the globe.

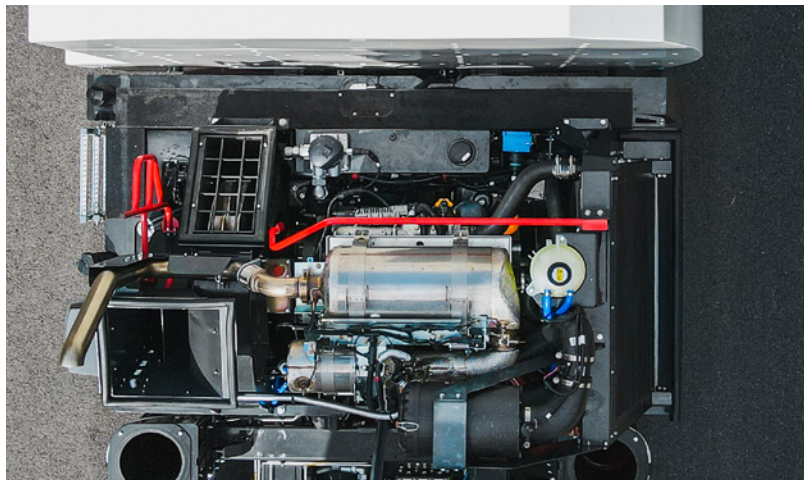
Many optional equipment features designed specifically for airport application tasks are offered on the Bucher MaxPowa V95t aero. From permanent magnet bars to high pressure water and detergent dosing cleansing options allow you to tailor the machine specification to your operational requirements.





Technical specifications

	MaxPowa V120t	MaxPowa V120h
Hopper capacity	12 m ³	12 m ³
GVW	26 tonne	26 tonne
Maximum swept width	3600 mm	3600 mm
Water tank capacity	5200 litres	5200 litres
Total possible water capacity	6900 litres	6900 litres
Max recommended sweeping speed	16km/h	16km/h
Drive	Twin engine	Single engine
Powapack	129 kW (97 kW)	Hydrostatic OMSI 600



Bucher **MaxPowa V120**

Boasting the largest hopper in the MaxPowa series, the V120, with its 12m³ volume provides unrivalled on station time to suit the operational requirements of large airports.

Whether its extending glycol recovery operations through hopper capacity or increased stand cleaning capability from the potential 6900 litre water capacity, the MaxPowa V120 is packed with features tailored to efficient airport cleaning operations. This flagship machine is an invaluable asset for multiple tasks around airports where productivity is key.

The heart of the standard power pack is the 129kW HVO compliant Stage V auxiliary engine which powers the patented Triplate fan. Coupled with our innovative smoothflow air technology system the machine provides unparalleled pick-up performance, a critical feature in the fight against FOD.

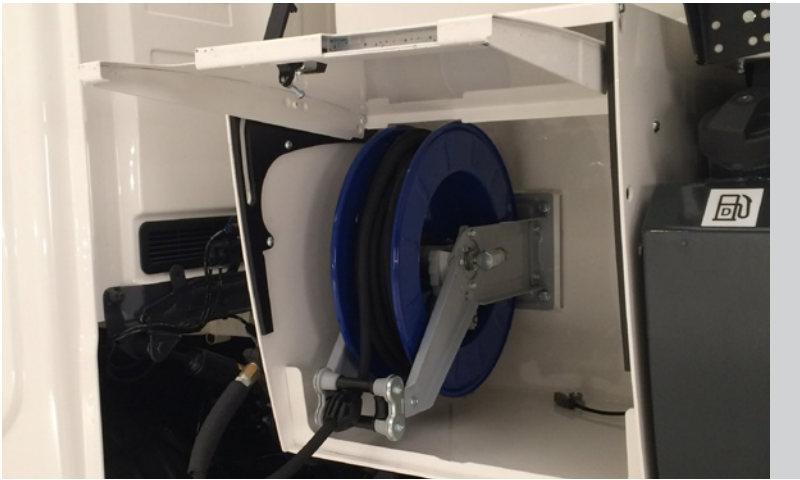
Alternative auxiliary engine options and hydrostatic drive system options allow the machine to be specified to meet any specific operational requirements. A stainless steel hopper compliments the performance, providing resistance to corrosion and chemicals.

With powerful performance, extended uptime and rugged durability, the MaxPowa V120 is the ideal choice when looking to optimise airport cleanliness and safety.



Technical specifications

	MaxPowa V80t	MaxPowa V80h	MaxPowa V80m
Hopper capacity	8 m ³	8 m ³	8 m ³
GVW	18 tonne	18 tonne	18 tonne
Maximum swept width	3600 mm	3600 mm	3600 mm
Water tank capacity	2255 litres	2255 litres	2255 litres
Total possible water capacity	3955 litres	3955 litres	3955 litres
Max recommended sweeping speed	16km/h	16km/h	16km/h
Drive	Twin engine	Single engine	Single engine
Powapack	97 kW (85 kW, 129 kW)	Hydrostatic OMSI 600	PTO Drive



Bucher **MaxPowa V80**

The MaxPowa V80 has been designed to excel in demanding airport applications whilst maintaining exceptional quality, efficiency and performance.

With modular construction and options, the V series sweepers are the perfect choice. Supplied as standard on the MaxPowa V80 is the 97 kW heavy duty industrial engine and a high power 129 kW is also available for selection for higher performance. Our auxiliary engines are HVO compliant without modification or change in servicing requirements.

The MaxPowa V80 can also be supplied with single drive options by way of either a powerful OMSI 600 hydrostatic gearbox or directly driven from the chassis PTO.

With a large 10" touch screen with clear graphics and intuitive menus, provision has also been made for up to six fully programmable buttons. These allow your chosen sweep settings at the touch of a button, ideal for

cleaning stands and apron areas where quick and efficient operation is critical.

With full width rear mounted nozzles and a high pressure water system for fast and effective cleaning capability. Additional options such as a front mounted magnet, full width mid mounted fluid recovery nozzles and additional user preferences, mean that the machine can be fully tailored to the job in hand.



Technical specifications

	MaxPowa V65e	MaxPowa V65t	MaxPowa V65h
Hopper capacity	6.5 m³	6.5 m³	6.5 m³
GVW	16 tonne	15 - 16 tonne	15 - 16 tonne
Maximum swept width	3600 mm	3600 mm	3600 mm
Water tank capacity	1575 / 2000 litres	1575 / 2000 litres	1575 / 2000 litres
Total possible water capacity	1575 / 2000 litres	2275 / 2700 litres	2275 / 2700 litres
Max recommended sweeping speed	16km/h	16km/h	16km/h
Drive	100% Electric	Twin engine	Single engine
Powapack	Li-ion battery, 200 kWh	55 kW (85 kW, 97kW)	Hydrostatic HGB3



Bucher MaxPowa V65 & V65e

For routine sweeping and cleaning tasks in both airside and landside operations, the Bucher MaxPowa V series is the perfect choice.

The all electric Bucher MaxPowa V65e provides a zero tailpipe emission solution to help your operations achieve Net-Zero targets while reducing noise pollution and improving air quality making your airport a safer and more pleasant working environment.

The MaxPowa V series comes with some of the most innovative features found on any sweeper. Smoothflow air technology maximises efficiency and reduces energy consumption so operational costs and environmental impact are minimised whilst maintaining maximum performance.

Productivity is driven by efficiency, reliability and dependability through fewer breakdowns or service interventions. Combine this with great suction

performance, quick engage options and an ease of onsite adjustments or consumable replacements and your time working increases.

Standard features deliver great productivity and a wide range of options specific to airport operational sweeping and cleaning tasks are available to ensure your airport remains clean and safe. From high pressure water jets and full width fluid recovery nozzles, Bucher Municipal allow you to tailor the machine specification to your operational requirement.





Technical specifications

	CityCat VR50e	CityCat VR50
Hopper Capacity	Li-Ion Battery, 137 kWh	FPT, Iveco Euro 6, 118 kW
GVW	10 500 kg	10 500 kg / 10 400 kg (80 km/h)
Maximum swept width	2750 mm (3768 mm with 3rd brush)	2750 mm (3768 mm with 3rd brush)
Turning circle (wall to wall)	7030 mm (7800 mm with 3rd brush)	7030 mm (7800 mm with 3rd brush)
Water tank capacity	880 litres	880 litres
Total possible water capacity	2000 litres	2000 litres
Max recommended sweeping speed	20 km/h	20 km/h
Drive	100% Electric	Engine
Powapack	Li-ion battery, 137 kWh	N45ENT6, 118 kW, Euro 6d



Bucher CityCat VR50 & VR50e

The well-proven Bucher CityCat VR50 finds its capable fully electrified successor in the Bucher CityCat VR50e setting a new standard for compact sweepers with its unique design and pioneering technology. These mid-sized road sweepers provide the best of both worlds; manoeuvrable and agile combined with heavy-duty suction and cleaning performance and four-wheel steering system. This provides a versatile machine for sweeping service access roads, heads of stands where large hopper capacity and compact agility are equally important.

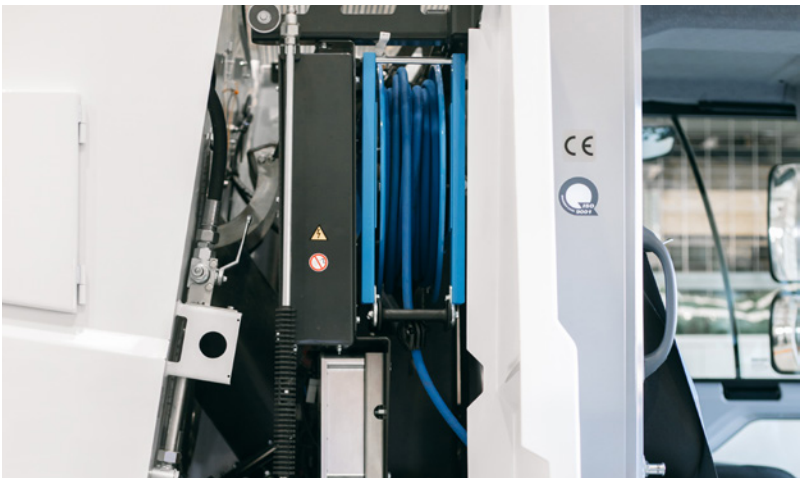
The Bucher CityCat VR50 and VR50e deliver on performance. They have the appetite of a large truck mounted sweeper, the functionality of a multi-season vehicle and the manoeuvrability and unrivalled operator visibility of a compact sweeper.

The completely redesigned cab including the Smart-Con operating system offers the operator maximum comfort and safety while providing a modern workplace.

On the Bucher CityCat VR50 power is supplied by a high performance and economical HVO compliant 118 kW Euro 6 diesel engine.

The all-electric Bucher CityCat VR50e is powered by a 137 kWh Bucher Battery Pack which provides the capacity to complete a full 10-hour shift.

With the 5.6 m³ hopper, 880 litres of fresh water and optional water recirculation, both sweepers achieve increased on-station time, enhancing productivity and reducing running costs.





Technical specifications

	CityCat V20e	CityCat V20
Hopper Capacity	2 m ³	2 m ³
GVW	4800 kg	4800 kg
Maximum swept width	2700 mm (3040 mm with 3rd brush)	2700 mm (3040 mm with 3rd brush)
Turning circle (wall to wall)	7720 mm (with 3rd brush)	7720mm (with 3rd brush)
Water tank capacity	275 litres	275 litres
Total possible water capacity	425 litres	425 litres
Max recommended sweeping speed	20 km/h	20 km/h
Drive	100% Electric	Diesel
Powapack	Li-ion battery, 80 kWh	R754EU6D, 62 kW, Euro 6d



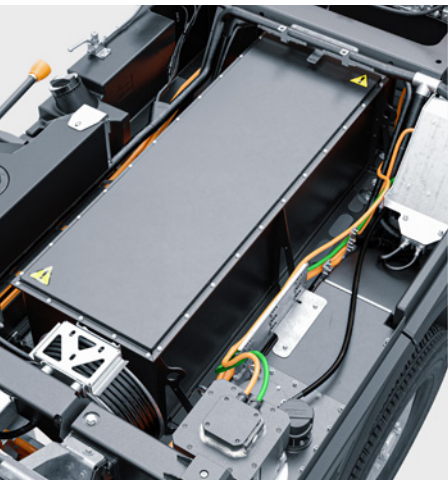
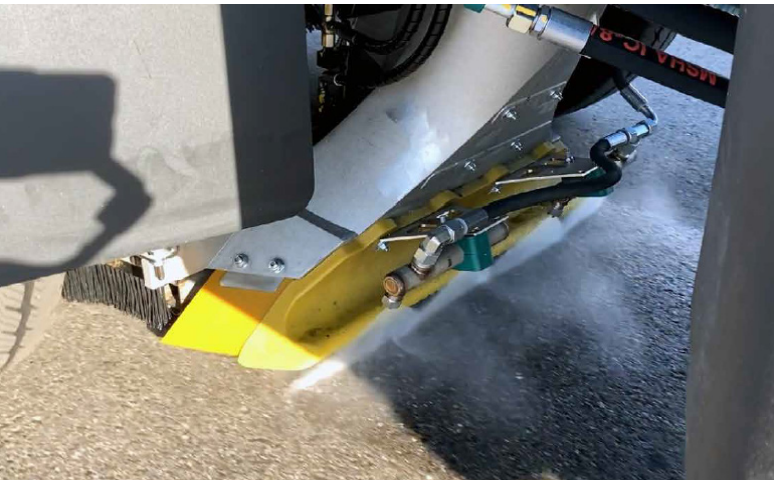
Bucher **CityCat V20 & V20e**

Not all airport sweeping is runways and large expanses of apron so where manoeuvrability and access into the tightest spaces are required the Bucher CityCat V20 offers the perfect cleaning solution. The CityCat V20 provides an unmatched combination of articulated steering and high visibility cab to allow access around the tightest areas.

A state-of-the-art Euro 6 diesel engine, two or three brushes, maximum suction power and an energy-saving fan for outstanding efficiency. With its low fuel consumption, reduced exhaust emissions and low noise levels, it's obvious why this sweeper should be part of any fleet for airport cleaning operations.

The CityCat V20 with optional four-wheel drive offers an even more robust solution for tough winter use. Combined with the Bucher Husky range of salt spreaders / liquid sprayers and optional front attachments such as a snow plough or snow roller brush, the vehicle masters every challenge from heavy snowfall to clearing slush.

In the CityCat V20e, we utilise a custom-designed battery pack with the capacity to last a full 10-hour shift. Powerful but respectful to its surroundings, the CityCat V20e can be used round the clock due to the impressive low noise emissions. The CityCat V20e provides you completely emission-free operations with high vehicle utilisation and low cost of ownership.





Innovation and Manufacturing

Providing products which push the boundaries to deliver more productivity with lower cost of operation and superior reliability is no easy task. So how do we achieve our goals?

People

Bucher Municipal invest in people to create a team that goes the extra mile. Training and development of engineers provide the team with key skills to deliver simply great products to you.

Engineering simulation

Our R&D engineers utilise state-of-the-art simulation tools and aerospace technology to test ideas repeatedly, perfecting designs for efficiency and durability. Using processes such as computational fluid dynamics (CFD), finite element analysis (FEA), and 1D simulations, today's engineering processes ensure Bucher Municipal's products exceed your expectations. The advantage to our airport clients is our equipment will perform consistently and efficiently.

Testing and validation

In addition to simulations, product testing is an important element of the development process. Whether it's a test rig to accelerate real-life working conditions or putting a machine through its paces on aggressive machine proving ground surfaces, all our products go through rigorous testing to ensure the performance and reliability meet airport expectations.

Manufacturing efficiency

Bucher Municipal's investment in manufacturing facilities and up-skilling the workforce ensures efficiency, guaranteed quality and a sustainable process. Whether its laser cutting, folding, welding or painting all of our manufacturing processes are focused on low environmental impact and high quality. This is endorsed by our independently assessed ISO 14001 and ISO 50001 accreditations.

Assembly process

Each and every one of our machines is manufactured with care and precision to ensure quality. From production planning, to pre-despatch inspection every process is focused on quality and efficiency, ensuring the end product is perfect for the customer. Our accreditation to ISO 9001 and ISO 45001 are testament to the detail and control of our production systems.



Customer service -
ensuring **uptime for your
airport** operations with
on-site support





Parts & Logistics

We only supply quality genuine parts in order to maintain peak performance and guarantee 'right fit, first time'. Our industry-leading parts supply system is designed for easy online ordering and rapid delivery, and is supported with a no-hassle returns policy.

E-Shop

Our internet based order management system enables easy online ordering, 24/7. Check spare parts availability, prices and place orders for a fast delivery to significantly minimise downtime.

Expert Parts Advisors

Our experts are on hand to assist and ensure that the correct part is ordered.

One-Stop-Shop

All of your parts needs in one convenient location.

Fast Despatch

With over EUR 20 million of stock holding in our strategically located global warehouses, with fully barcoded inventory management system, enables all orders to be despatched fast.

12-Month Warranty

All genuine parts supplied by Bucher Municipal include 12-months warranty.

Bucher Municipal



For local contact and support, please scan the QR code or visit buehemunicipal.com

At Bucher Municipal, we innovate and engineer better cleaning and clearing solutions, helping our customers grow and maintain efficient and profitable businesses. Leveraging the over 200-year-old heritage of Bucher, we are committed to helping you achieve more using less. Taking pride in being seen as a reliable partner, we work locally with you in realising the possibilities for a smarter, cleaner and more efficient tomorrow. Today.



Your Bucher Municipal contract partner:

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Technical data is subject to change without prior notice.
The illustrations may deviate from standard equipment.