

**BUCHER**  
municipal

# Bucher CityCat VR17e

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Engineered to reach where others can't,  
simple for every operator to use



# Bucher CityCat VR17e

The Bucher CityCat VR17e sets a new benchmark for compact sweepers in the 3.5 t segment through intelligent engineering and advanced technology. Combining agile manoeuvrability with powerful suction and a robust 55 kWh battery delivering a minimum of 10 hours of operation, it is purpose-built for urban streets, bike lanes and pedestrian zones. Its compact design and digital connectivity make it an ideal choice for cities and contractors who demand reliable, efficient and sustainable daily cleaning.



## Best-in-class **performance**

Engineered to deliver exceptional results, the Bucher CityCat VR17e combines robust design with advanced technology to maximise daily productivity.

A powerful 55 kWh Bucher Battery Pack ensures a minimum of 10 hours of reliable, emission-free operation, while fast DC charging keeps the sweeper ready for back-to-back shifts in under an hour. Intelligent energy recuperation during braking extends operating time even further for demanding urban use.

The advanced suction system, built on Bucher Municipal's proven sweeping technology, handles everything from fine dust to heavier post-event debris. A wide-diameter suction hose and energy-optimised fan ensure strong airflow and fewer blockages, maintaining consistently high vacuum performance. Combined with a new chassis and the sweeping system used in other Bucher Municipal sweepers, it delivers reliable, efficient cleaning in demanding urban environments.

The Bucher CityCat VR17e uses hydrostatic four-wheel steering and a best-in-class turning circle to move effortlessly through narrow streets, bike lanes, and restricted-access zones - places larger sweepers can't reach.

A lightweight yet durable aluminium hopper, best-in-class payload of 1400 kg, and a generous 225 l fresh water tank support longer cleaning cycles and fewer refill stops. And thanks to its 3.5 t gross vehicle weight, it remains fully operable with a standard car driving license, adding real flexibility for fleet owners.

The Bucher CityCat VR17e brings together zero-emission technology, advanced sweeping systems, and operator-focused design to keep modern cities clean, efficient, and sustainable.

### Best-in-class turning circle

4370 mm  
kerb to kerb

### Best-in-class dimensions

Engineered to reach places others can't

### Best-in-class payload

1400 kg for longer sweeping autonomy

### Best-in-class operation

Driveable with standard car driving license

## The Bucher CityCat VR17e delivers



### Smart-Con

Multi-functional armrest with smart start function combined with 4.3 inch driver display

### CSense display

10.1 inch touch display with intuitive design for extended functions and information



### Steering

Hydrostatic controlled four-wheel steering



### Pick up system

Pushed brush system with suction intake in front of axle, hydraulically laterally movable

### Steel hydraulic pipes

Up to 60 % less hydraulic hoses than other sweepers in this class

### Fast charging

With DC fast charging, you can charge up your sweeper in 60 minutes for an additional full shift



### Hopper

Durable, weather resistant aluminium hopper

### 1.7 m<sup>3</sup>

Hopper volume of 1.7 m<sup>3</sup> with a dumping height of 1350 mm

### Water volume

225 l fresh water capacity for long autonomy and best-in-class capacity



### Drum brakes

On front and rear axles

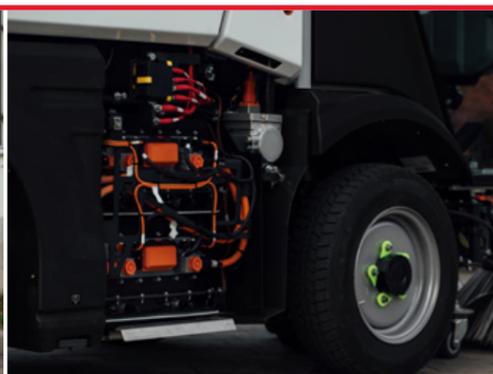
### Water recirculation

Service water is filtered and fed to the suction intake



### Electric drive

Can switch seamlessly from forward to reverse and work mode/transit



Durable aluminium hopper

55 kWh Bucher Battery Pack

DC fast charging

4-wheel steering

Efficient suction system

Pushed sweep gear

# Sweeper for every **operator**

## Drive with standard license

Engineered for the 3.5 t vehicle class, this sweeper can be operated with a standard car driving license. No special permits mean more staff can operate it, adding flexibility for fleet managers and cities alike.

## Simple, familiar controls

The CSense 10.1" touch display offers an intuitive interface, putting all vehicle settings, diagnostics, and extended functions right at the operator's fingertips. Combined with a fully adjustable armrest and ergonomic joystick controls, every command is effortless to reach and operate. Across the Bucher Municipal portfolio consistent, user-friendly HMI system reduces training time and helps operators stay focused on the task, whether they're new to the vehicle or experienced drivers transitioning from other Bucher Municipal compact sweeper models.

## Comfort for every shift

Designed with operator wellbeing in mind, the Bucher CityCat VR17e features single-wheel suspension that minimises vibrations for a smooth, controlled ride across varied urban surfaces. The ergonomic driver's seat is fully adjustable, with integrated armrest.

## Quiet, low-noise operation

The all-electric drive keeps noise exposure down to just 91 dB(A), helping operators stay focused and less fatigued - even during long shifts in noise-sensitive city areas.

## Compact, urban-ready design

The Bucher CityCat VR17e features a smart, space-efficient layout, allowing operators to effortlessly navigate bike lanes, sidewalks, narrow alleys, pedestrian areas, and restricted-access zones with ease. This compact size means it can clean areas that are simply inaccessible to larger sweepers, making it the ideal choice for dense urban environments.

## Lower lifetime costs

Built on a shared Bucher Municipal platform, the sweeper benefits from common spare parts and streamlined servicing routines, helping to reduce training time for technicians and minimise maintenance costs.

## Stay connected and future-ready

SOTA (Software Over-The-Air) updates enable new features and improvements to be installed without bringing the sweeper into the workshop - reducing downtime and ensuring your sweeper evolves with your city's needs.

### 3.5 t design

Drivable by any operator with car license, built for tightest areas

### Operator availability

Easier planning, faster response

### Intuitive HMI

Made for operator's comfort and simple operations

### Quite operation

Noise level at only 91 dB(A)



# Safety and comfort

Bucher Municipal is dedicated to achieving the highest productivity from its sweepers. We believe enhanced operator comfort and safety directly related to productivity and equipment performance. That is why our sweepers are designed to give the best driver comfort and ease of operation, as well as providing a safe work environment for the driver and for third parties.



- |  |   |   |
|--|---|---|
| <p><b>1</b> One full value seat with headrest and 3-point safety belt, offering a comfortable and safe operator experience</p>                             | <p><b>4</b> Excellent all-round view due to the continuous windscreen, all-glass doors and the two rear windows</p> | <p><b>7</b> Low-energy LED lights to illuminate the sweeping area, ensuring a safe view and visibility for third parties</p>            |
| <p><b>2</b> 4.3 inch display for overview of all automotive information, as well as setting feedback</p>   | <p><b>5</b> Throttle and brake pedals positioned in-line for more foot room and increase movability</p>             | <p><b>8</b> Ergonomically designed workstation for enhanced operating experience</p>  |
| <p><b>3</b> Intuitive, one-handed operation of the sweeper via an adjustable multi-function armrest allowing sweeping to start with the push of button</p> | <p><b>6</b> Gas spring-loaded steering column, adjustable in rake and reach for a tailored set-up</p>               | <p><b>9</b> The 10.1 inch touch display for operating settings and functions enables extended setting possibilities and diagnostics</p> |



**Smart-Con armrest**  
Multi-functional armrest with smart start function makes it possible to operate all working functions with one hand.



**Smart-Con driver display**  
All relevant information and pop-up feedback at a glance at any time thanks to the digital 4.3 inch display.



**Seat**  
The cabin is equipped with mechanically suspended driver seat with headrest and 3-point safety belt to offer not just a comfortable driving experience, but also an ergonomic workstation. Air suspended seat optional.



**CSense display**  
10.1 inch touch display with intuitive design for extended functions, central overview of all settings and visual diagnostic system. The displayed vehicle set-up can be individually chosen by the driver.



**Comfort and storage**  
Designed with the operator in mind, the cabin includes practical storage for personal items (bottle, phone etc.), keeping everything organised and within easy reach.



**Control panel on the steering column**  
The control panel contains all driving relevant buttons, easily and quickly accessible.

# Electric sweeping made affordable

- The Bucher CityCat VR17e offers an affordable entry into the electric sweeper segment, combining proven reliability with low operating and maintenance costs.
- Fast DC charging keeps the sweeper ready for multiple shifts each day, reducing downtime and increasing productivity.
- Drum brakes on both axles are self-adjusting and reduce service time.
- Maintenance free single wheel suspension on all four wheels.
- Energy-saving LED lights offer more powerful lighting while significantly reducing the number of times bulbs require replacement.
- Purpose-built electric drive for quiet, zero-emission urban cleaning
- Reduced number of greasing points with autolube option to save on servicing costs.
- Vulnerable nodes and electronic components protected up to IP69 standard and additional covers reduce risk of water ingress further.
- CSense display with full on-board diagnostics for easy fault finding and reduced downtime.
- Steel hydraulic pipes replace flexible hoses to reduce chaffing and premature hose wear.
- Hopper manufactured out of aluminium for protection against corrosion and wear.



Experience the next generation of electric mobility with our advanced Lithium Iron Phosphate (LFP) battery technology. Engineered for exceptional safety and thermal stability, it delivers peace of mind on every journey. With up to 15,000 operating hours and consistent, steady capacity day after day, you can count on reliable performance for years to come. This is battery technology built to go the distance.



### Easy fleet electrification

Affordable entry into electric vehicles

### Lower TCO

Low maintenance costs, durable design, cost-saving operation

### Energy consumption

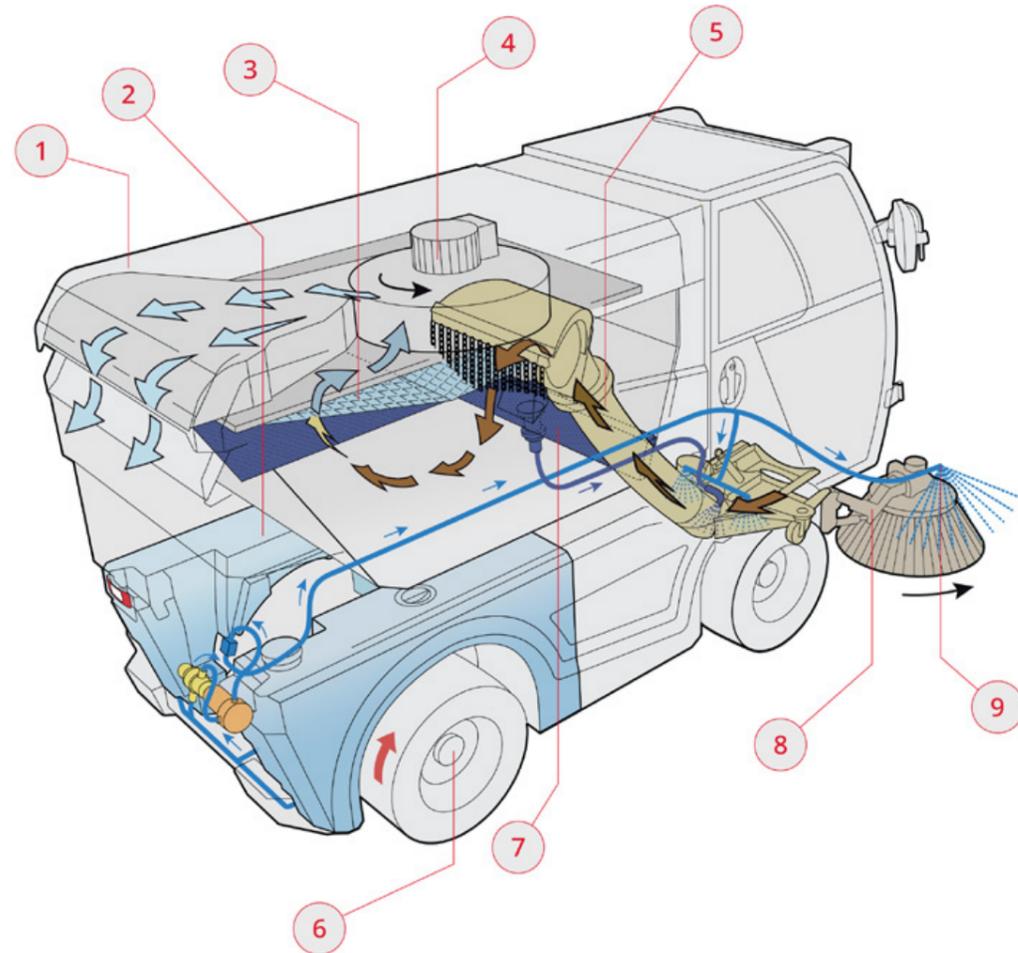
Extended operations at only 4.7 kWh

### Bucher Connect

Real-time fleet data and simplified fleet management

# Sweep and suction system

Productivity starts with smooth interaction between driver and machine. The Bucher CityCat VR17e features a reliable pushed brush system designed for effective cleaning. With an adjustable sweeping width from 1200 mm in tight spaces up to 2400 mm in wider areas, it easily adapts to various urban environments, from narrow lanes to larger streets.



- 1 Robust 1.7 m<sup>3</sup> aluminium hopper for extended cleaning cycles, hydraulically tiltable and closable
- 2 Large 225 l fresh water volume with tank placement for a low point of gravity
- 3 Easy to clean mesh in hopper to prevent clogging by leaves and debris

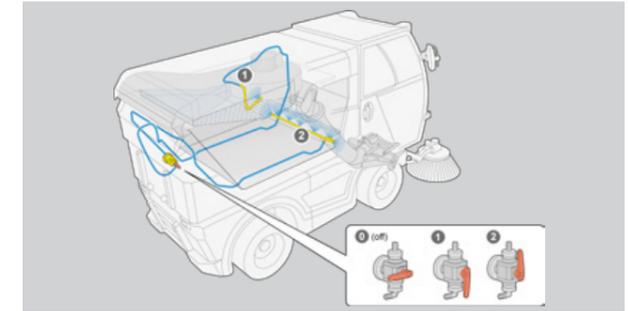
- 4 Optimised fan arrangement and blade wheels for greater efficiency
- 5 Bucher DNA straight suction hose with water nozzles for dust suppression
- 6 Electrically driven rear axle with differential gear

- 7 Recirculation system which feeds the service water directly to the suction intake
- 8 Independently controllable brushes with adjustable sweeping width from 1200 mm to 2400 mm
- 9 Water nozzles for maximum dust suppression, adjustable from cabin

# Significant options



**DC fast charging**  
With the CCS Combo 2 fast charging mode, the sweeper can be charged within 60 minutes for an additional full shift.



**EasyClean**  
With EasyClean the operator is able to save time and effort in the cleaning process as the machine cleans itself within a couple of minutes. It also offers a minimal risk of downtime caused by sediment.



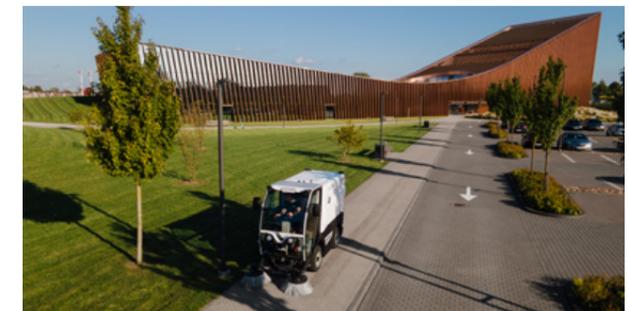
**High pressure water pump**  
The Bucher CityCat VR17e can be equipped with a 100 bar water pump with a pistol grip hand lance and automatic retractable reel giving the driver an extended range of cleaning possibilities.



**LED flashlight front and rear**  
The LED flashlights improve visibility of the sweeper, ensuring safe operation even in dark or low-light environments. They increase operator awareness and enhance safety for both the driver and surrounding traffic.



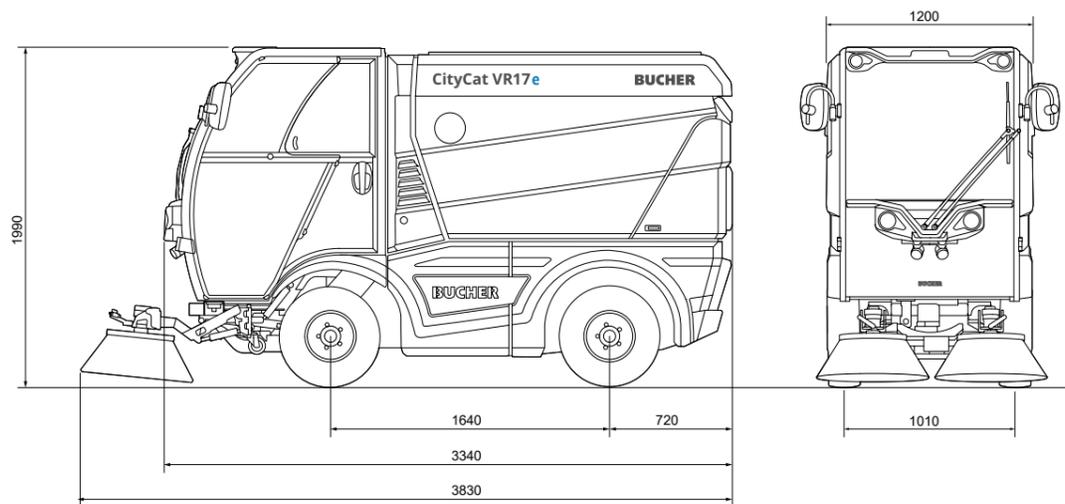
**Wanderhose**  
The wanderhose can be used to clean in places where the sweeper cannot reach. It has a length of 4 m with a diameter of 120 mm.



**Wide base tyres**  
The wide base tyres reduce the ground pressure by increasing the contact area of the tyre to the surface to minimise stress on demanding ground.



## Bucher CityCat VR17e configuration



### Dimensions

Length	3340 mm
Width	1200 mm
Height	1990 mm
Cleaning width	2400 mm
Hopper volume	1.7 m <sup>3</sup>

### Weight

Empty weight	2100 kg
Payload	1400 kg
GVW	3500 kg

### Tyres

185/70 R13C 106/104N <sup>1</sup>
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### Emissions

Noise level L <sub>WA</sub>	91 dB(A)
PM certification	PM2.5/PM10 ****

### Water system

Fresh water tank	225 l
Water recuperation system	installed

### Driving Performance

Working speed	0-12 km/h
Travelling speed	0-40 km/h <sup>2</sup>
Climbing ability	up to 30 % <sup>3</sup>
4-wheel steering (kerb to kerb)	4370 mm
4-wheel steering (wall to wall)	5490 mm

### HV Battery

Battery type	LFP
Battery capacity	55 kWh
Operating time	minimum 10 hours

### Charging system

On-board charger	11 kW
Charger inlet	Type 2
Charging time	4 to 5 hours
External charger DC <sup>2</sup>	45 kW
Charging time	60 minutes

<sup>1</sup> Wide base tyres available

<sup>2</sup> According to national legislation

<sup>3</sup> Empty vehicle



# Get Connected

Bucher Connect is a holistic after sales solution. A leading fleet management system, with comprehensive care and a digital platform for your repair and service planning – all in one simple package.

Using Bucher Connect makes the daily workload much easier for owners and managers of any fleet size. Our all-inclusive service offers targeted support and services for street cleaning and clearing operations, to minimise downtime and costs through the optimal efficiency of vehicles and equipment.

## One connection **Many benefits**

Combining a digital platform with the complete after sales service, Bucher Connect has everything you need to operate your fleet at its best. It can be perfectly tailored to your needs through five different packages, as well as additional services and products.

### Digital platform

Featuring two components, our «Fleet» module displays current machine positions, error messages with repair suggestions and important vehicle parameters, while «Service» takes care of all your repair and service needs.

This is supplemented by the two role-specific modules: «Jobs» and «Analytics». On a road map, route planning and road sweeps are marked in different colours for easy handling, with individual tracks via the address search.

#### «Fleet» for a detailed overview

- Current vehicle status and GPS position to give an overview of the fleet and detect potential breakdowns early
- Automatic fault alerts and digital support to enable quick resolution
- Service reminders for efficient workshop planning

#### «Jobs» for route planning and monitoring

- Digital cleaning report instead of manual operating logs and «On the route» KPIs for track

#### «Analytics» for fleet optimisation

- Optimise uptime for improved fleet productivity
- Optimise energy demand for improved sustainability and lower costs
- Easy reporting of vehicle data

#### «Service» for repair and service planning

- Access to the e-shop, workshop manuals and maintenance plans for optimal service
- One touch point for all your repair and service needs

### Maintenance and repair

The maintenance and repair service enables you to focus on core business. Your maintenance partner carries out maintenance in accordance with factory specifications and uses trained service technicians, supporting you in procuring spare parts and providing remote support to reduce downtime.

### Digital spare parts procurement

- Proactive service announcement
- Automatic service parts delivery to end-customers
- Time savings and prompt delivery for efficient workshop operation

### Certified service

- Certified service and repair work for optimal fleet availability
- Comprehensive service and repair contract for predictable financial planning

### Technical training

- Technical vehicle training
- Efficient vehicle use and higher first-time fix rate

### Remote support and diagnostics

- Reduced downtime for optimal fleet use

Bucher CityCat VR17e - designed for **urban environments**, combining advanced digital connectivity and a fully electric performance

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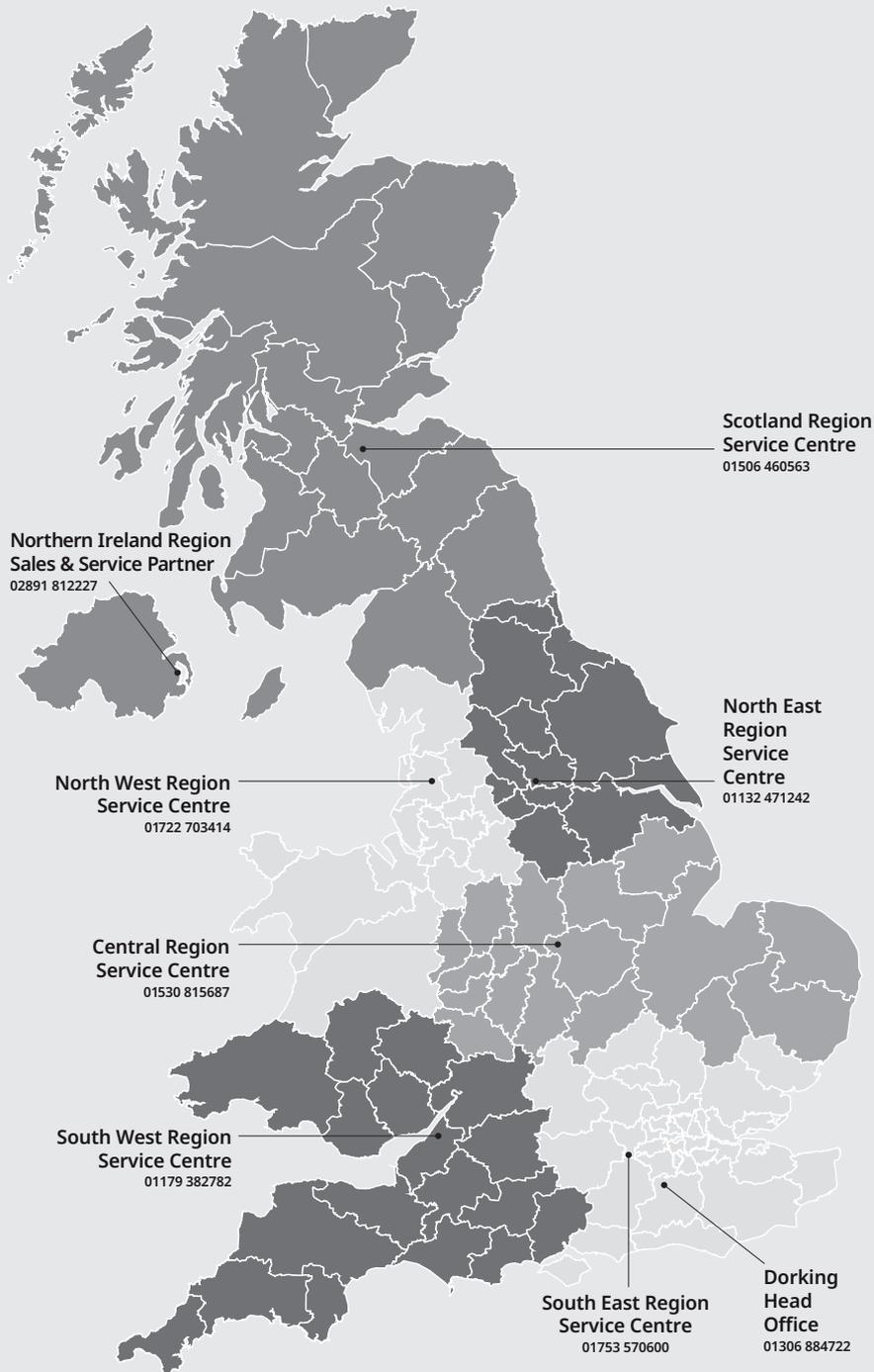
# Bucher Municipal



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

[buchermunicipal.com](http://buchermunicipal.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.



Driven by better



Bucher Municipal E-Shop

Version 01\_10/2025  
Technical data is subject to change without prior notice.  
The illustrations may deviate from standard equipment.