

# CityCat 5006

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Performance package in the compact class





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The CityCat 5006 compact street sweeper sets a new standard for compact sweepers with its unique design and pioneering technology. A CityCat 5006 mid-sized road sweeper provides the best of both worlds; maneuverable dimensions combined with heavy-duty suction performance – an ideal combination for sweeping urban areas where large hopper capacity and compact agility are equally important.

# High performance **and productivity**

The CityCat 5006 delivers on performance. It has the appetite of a large truck mounted sweeper, the functionality of a multi-purpose vehicle and the maneuverability of a compact sweeper; all delivered in a single package, designed and built to the exacting standards required by demanding municipal environments.

The smooth-running, high-torque Iveco engine with extremely low fuel consumption and emission levels allows exceptionally reliable and economical operation. Heavy-duty suction power and a high payload are combined with a four-wheel steering system as standard, to provide capacity and agility without

compromise. Comfortable in heavy-duty cleansing environments and crowded streets, the CityCat 5006 easily cleans urban areas.

With the 7.3 YD<sup>3</sup> stainless steel hopper, and an optional water recirculation feature, the CityCat 5006 achieves increased on-station working and reduces 'tip runs', enhancing productivity and reducing running costs.

The two side brushes in combination with a 3rd brush have a maximum sweeping width of 148" (3768 mm). The sweeping system can be hydraulically moved 15" (400 mm) laterally to the left or right-hand side of the sweeper.

## EcoELS

Engine & hydraulic management system

## Low fuel consumption

According to EN 15429-2 standard

## Class leading turning circle

232" curb to curb

## High payload

Up to 11,023 lbs at 23,150 lbs GVM



4 wheel steering



3<sup>rd</sup> brush



7.3 YD<sup>3</sup> stainless steel hopper

# The CityCat 5006 delivers



## Traveling speed

Up to 31 mph

## Steering

Hydrostatic controlled four-wheel steering

## Hydrostatic drive

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

## Easy clean option

Available for easier cleaning of the hopper, reducing daily cleaning effort



## Water tanks

Optimized moulded design with easy removal for maintenance

## Pick up system

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

## Steel hydraulic pipes

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



## Hopper

7.3 YD<sup>3</sup> stainless steel hopper volume with high dump option

## Water volume

232 gallon water capacity



## Disc brakes

Front axle with dual calipers, rear axle with single calipers

## Water recirculation

Service water is filtered and fed to the suction intake

## EcoELS

Unique engine and hydraulic Eco Extended Load Sensing management system, which allows a reduction of noise and fuel consumption with no loss of performance



## Battery isolator switch

Allows safe working and prevents an accidental discharge



FPT, Iveco NEF Tier 4 Final Engine



Suction intake



Floor glass panel

# Low environmental **impact**

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## **Low water usage**

The CityCat 5006 uses a recirculation system to reuse the water inside the hopper. This reduces refilling costs and extends on-station time.

## **Low fuel consumption with EcoELS**

Through the intelligent EcoELS engine and hydraulic management system, the CityCat 5006 can provide a high energy efficiency, high performance and low noise, resulting in optimum fuel consumption. The concept considers the performance requirements of the operator and external influences such as sweeping mode or driving uphill, automatically delivering the amount of power needed for the task, without derating the optimal operating point. Comparison tests have shown a reduction of diesel consumption between 25-30% and a noise level of 20%.

## **Less CO<sub>2</sub> emissions**

With its low fuel consumption in work mode, the CityCat 5006 produces only half as much CO<sub>2</sub> emissions per year as other sweepers in its class (per year = 2,000 operating hours).

## **Dust emissions**

EUnited 4 star certified for PM10 and PM2.5.

## **HVO / Bio diesel B7 compatible**

HVO (Hydrotreated Vegetable Oil) has the equivalent productive output as diesel but with none of the harmful properties. It burns cleaner and produces significantly lower damaging emissions, with up to 90% less Carbon Dioxide (CO<sub>2</sub>) and 30-70% less NOX (nitrogen oxides). A non-fossil fuel, HVO can be used 100 % or with any EN590 diesel mix without modification or change in servicing requirements.

## **High dust suppression**

Water jets on each brush provide a fine clean water spray to trap dust particles lifted by the two (optional three) brushes. In addition, recycled water from the hopper is filtered and fed into the suction intake.

**Iveco NEF  
Tier 4 Final  
Engine**

Standard engine

**PM10 and  
PM2.5**

EUnited 4 star  
certified



# Safety and comfort

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Bucher Municipal is dedicated to achieving the highest productivity from its sweepers. We believe enhanced operator comfort and safety directly relate 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.

The compact outer dimensions, as well as the four-wheel steering system that can be turned on and off, give the CityCat 5006 maximum maneuverability, ensuring perfect directional stability and safety for everyday work.

## Safe handling

- Cruise control option in work mode reduces operator effort
- Hydrostatic drive system auto brakes when the driver disengages drive
- All-round disc braking system (front and rear) and hydraulic operated disc handbrake system

## All-round control

- An audible signal for safe reversing
- Rear view camera auto engages when reverse is selected

## Operators comfort

- Low in-cab noise
- Comfortable, hydro bearing cab suspension
- Steering column with angle and height adjustment
- Full automotive suspension

## The cab design

The cab design of the CityCat 5006 achieves space, wide screen visibility, ease of use and comfort, from a range of standard and optional benefits:

- 3 person cab
- Air-suspension adjustable seat with lumbar support and optional heating
- Soft-feel steering wheel with angle adjustment
- Power-assisted steering
- Heated, curved and low-reflection windscreen
- Integrated air conditioning option
- In-cab heating
- In-cab radio and MP3 player





**Visual module**

The display gives information on sweeper functions and has also a diagnostic fault finding capability. Fault diagnosis is also accessible from the visual module.



**Multi-functional armrest**

The multi-function and adjustable armrest enable operators to control the sweeping functions of the machine from a single large buttoned keypad.



**Cabin**

Walk through cab with clear side vision and big wind-screen. Easy reach/use control panels positioned to the front and side of the operator.



**Central console**

Easy to reach with water tabs, hand brake, power plug and air-conditioning controls.



**Operator safety**

Automatically engaged mechanical high visibility body prop.



**3 person cab**

Optional third passenger seat allowing transportation of additional crew members.



## Low cost of ownership

The CityCat 5006 offers lower maintenance costs when compared to a chassis mounted vehicle.

With 500-hour service intervals on the whole vehicle, service costs and downtime are kept to a minimum.

Designed to cope with tough environments, the CityCat 5006 hopper is manufactured from 1.4003 stainless steel for protection against corrosion and wear.

The CityCat 5006 is designed and built for urban and city sweeping. The engine and drive train are also matched to this purpose, resulting in greater fuel efficiency.

Bucher Connect offers digital alerts or recommendations whenever you experience a fault or error. Our service also includes access to technical assistance for real-time solutions and remote diagnostics, which drastically reduces maintenance costs and increases operating time.

### Water volume

Water recirculation option and 232 gal clean water volume - allowing prolonged productive work time

### Fan

Heavy-duty fan with wear resistant blades

### Multi-season

Year-round multi-tasking machine

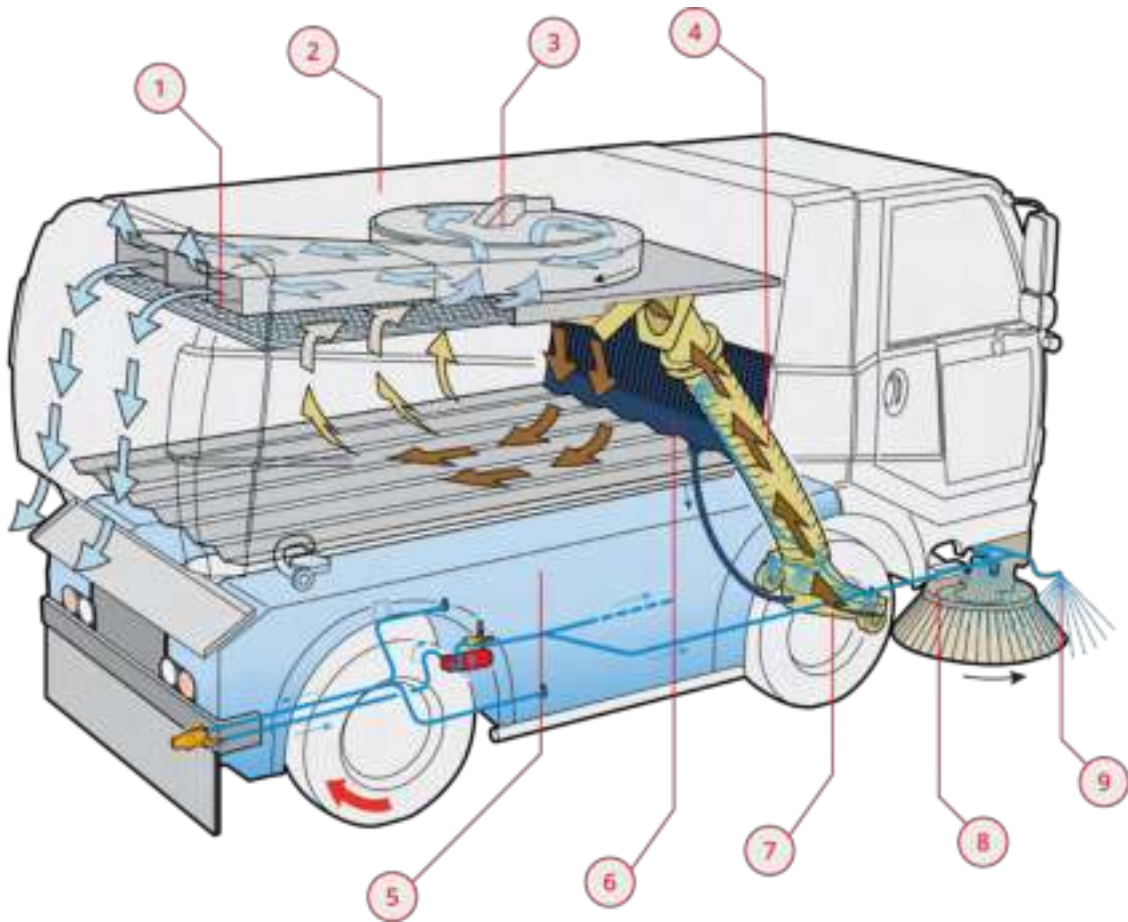
### Bucher Connect *(coming soon)*

BASE / PLUS / MAX



# Sweep and suction system

High productivity starts with the interaction of driver and equipment. The sweeping system combined with a large water and hopper volume are the basis for achieving this goal. The pulled brush system with 15.75" lateral adjustment is easy to maneuver so the driver can focus on the road and the optional 3<sup>rd</sup> brush.



**1** Large, easy to clean mesh inside the hopper to prevent clogging by leaves

**2** Large 7.3YD<sup>3</sup> stainless steel hopper with water recirculation system

**3** Fan arrangement on top of the hopper for optimal air flow

**4** Bucher DNA straight suction hose with water nozzles for dust suppression

**5** Big 232 gallon fresh water volume with tank placement for a low point of gravity

**6** Recirculation system which feeds the used water directly to the suction intake

**7** Wide 31" (800 mm) suction intake, laterally adjustable

**8** Pulled brush system, whole system laterally adjustable

**9** Water nozzles for maximum dust suppression, adjustable from cab

# Significant options



### Road construction brush

The road construction front brush is suitable for particularly tough applications, including road construction and weed removal. Furthermore, it has a floor support pressure regulation and a tilt.



### Traveling Speed 31 mph

Traveling speed is set to a maximum of 31 mph with a mechanical steering system replacing the hydraulic steering system.



### Boom reel & hand lance

Two booms are mounted on the hopper with a reel and a hand lance that are connected to the highpressure water system, useful for flushing rubbish from the sides of the street directly in front of the sweeper.



### Street wash system

Ample pressure allows market squares, building sites and pedestrian zones to be washed down and left spotlessly clean.



### Wanderhose

The wanderhose with hydraulic support enables cleaning of underfloor containers up to 6.5 feet deep. The abrasion resistant, 360° rotatable suction hose has a diameter of 8" with a length of 21 feet.

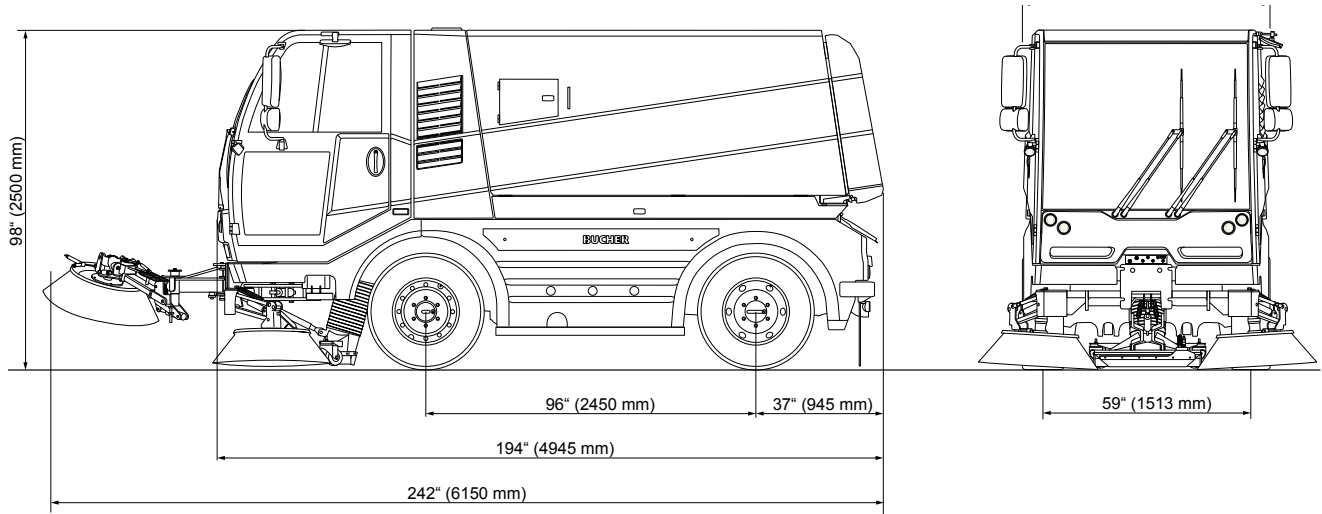


### High dump

Allows the sweeping material to be dumped into dumpsters or dump trucks by having an extended discharge height of 61".



# Sweeper configuration



### Dimensions

Length	194" (4945 mm)
Width	70" (1798 mm)
Height	98" (2500 mm)
Wheelbase	96" (2450 mm)
Track	59" (1513 mm)
Max. cleaning width 2 brushes	99" (2533 mm)
Max. cleaning width 3 brushes	138" (3520 mm)
Max. cleaning width 3 brushes (RCB)	148" (3768 mm)
Turning radius	116" (2950 mm)

### Tires

265 / 70 R 19.5 140 / 138M

### Noise level cab

63 dB(A)

### Driving Performance

Working speed	0-12 mph
Travelling speed	0-49 mph*
Climbing ability	30%

### Chassis

Bucher fabricated ladder frame chassis with "C" rail construction.

GVW	23,148 / 22,928 lbs (49 mph)
Empty weight	12,125 / 12,345 lbs (49 mph)
Payload	11,023 / 10,802 lbs (49 mph)

### Engine

Engine	FPT, Iveco NEF Tier 4 Final 141 HP
Engine displacement	4485 cm <sup>3</sup>
Output	141 HP @ 2,200 RPM
Torque	427 ft lbs (608 Nm)
Fuel tank	29 gal
Electrical system	24 V

\* According to national legislation



# Bucher Connect

*(coming soon)*

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The digitalization of fleets of any size using Bucher Connect makes the daily workload of fleet owners and managers much easier. Designed as an all-inclusive service, it offers targeted support and services for minimizing downtime and operating costs. Its aim is the optimal operation of sweepers – and street cleaning at a lower cost.



# Bucher Connect *(coming soon)* **BASE**

**The Bucher Connect BASE package solution includes fleet management, operational data monitoring and spare parts handling. Completely digital, it simplifies the work of fleet owners and managers - and complements Bucher's proven support.**

## Hardware

Connectivity to Bucher Connect platform with IoT gateway, antenna, SIM and cabling.

## Digital platform

The platform consists of the basic module «Fleet» for all roles, which displays current machine positions, all error messages and important vehicle parameters. It is supplemented by the three role-specific modules «Jobs», «Analytics» and «Service». Digital error messages with repair suggestions help to reduce downtimes. On a road map, route planning and road sweeps are marked in different colors for easy handling, and individual tracks can be found via the address search.

## «Fleet» for all roles

- Monitoring of utilization and service status
- Machine status and location in real time
- Automatic fault alerts

## «Jobs» for dispatchers

- Proof of swept routes
- Route optimization
- Efficient resource planning

## «Analytics» for fleet managers

- Fleet and vehicle productivity at a glance
- KPI dashboard for all important key figures
- Statistical data for shift and route planning

## «Service» for workshop managers

- Service reminders for efficient workshop planning
- Comprehensive remote support in the event of a fault
- E-Shop, digital workshop manual and service plans

## Digital spare parts procurement

- Proactive service announcement
- Automatic service parts delivery to end customers
- Service kits for regular maintenance up to 4500 operating hours included



### Lower energy consumption

3% reduction in fuel or energy consumption



### Exact sweeping proof

Time saving and simplified accounting through digital logbook



### Optimal route planning

5% increase in productivity due to proactive route planning

**Bucher Municipal North America Inc.**

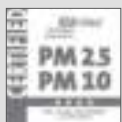
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At Bucher Municipal, we innovate and engineer better cleaning and clearing solutions, helping our customers grow and maintain efficient and profitable businesses. Leveraging the over 200-year-old heritage of Bucher, we are committed to helping you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



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The 5 Things  
You Must Know  
Before Buying a  
Street Sweeper

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