

CityCat 5006

Performance package in the compact class





CityCat 5006

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 YD³ 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



3rd brush



7.3 YD³ stainless steel hopper

The CityCat 5006 delivers



Working speed

0-12 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



Hopper

7.3 YD³ 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



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

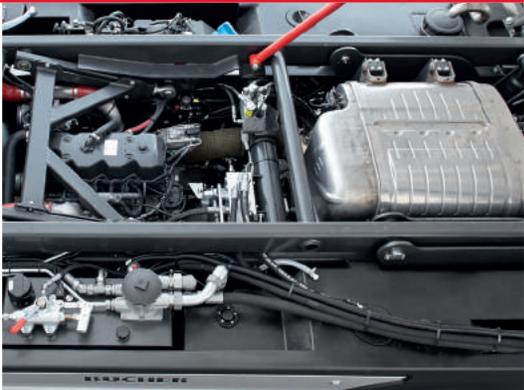
Steel hydraulic pipes

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



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**

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 CO₂ emissions

With its low fuel consumption in work mode, the CityCat 5006 produces only half as much CO₂ 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 (CO₂) 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

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

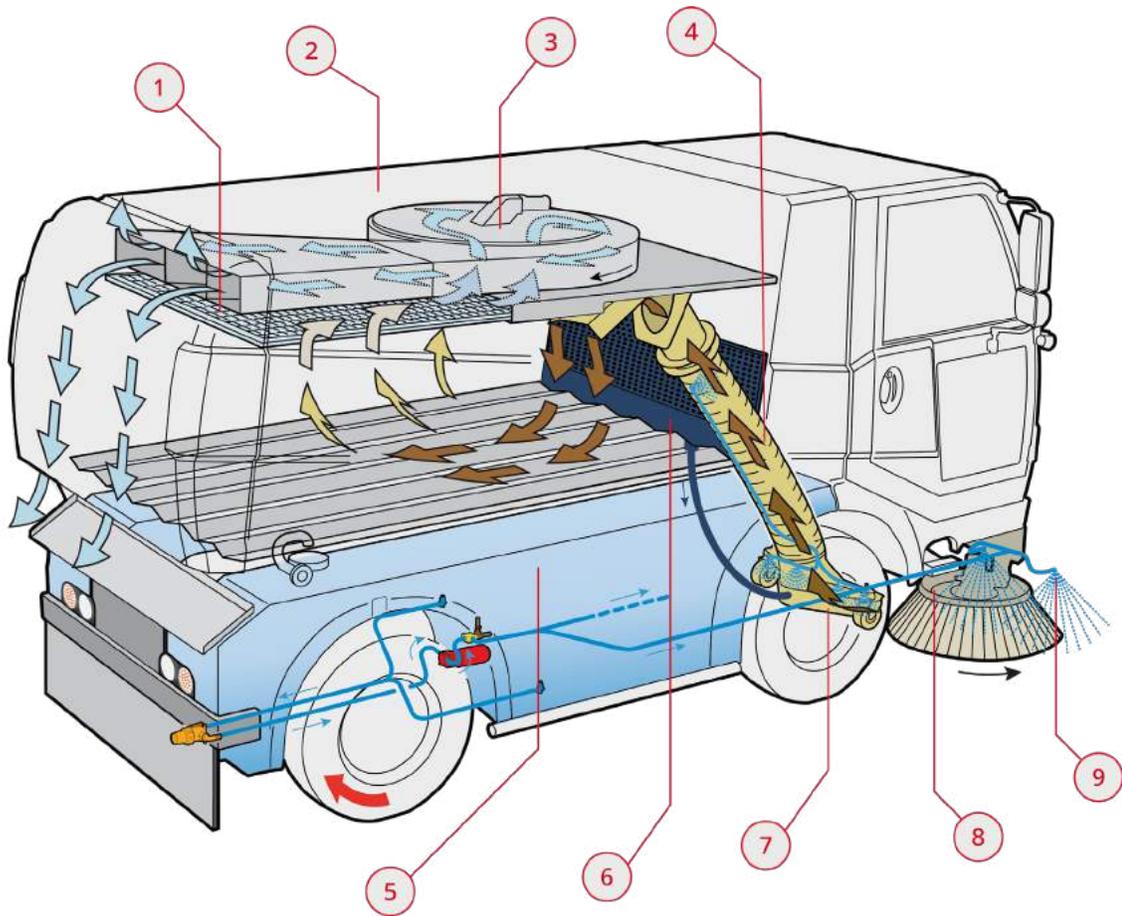
Year-round multi-tasking machine

Bucher Connect



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 3rd brush.



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

2 Large 7.3YD³ 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

Traveling speed is local country/market/regulation dependent 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.

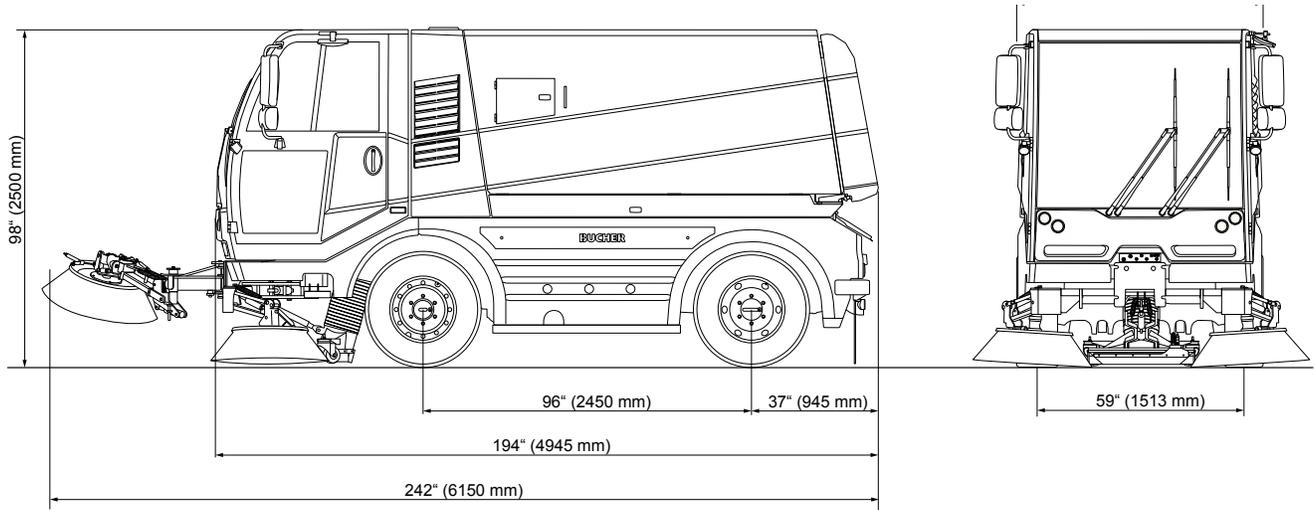


High dump

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 |
| 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 ³ |
| 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

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.

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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

Driven by better