



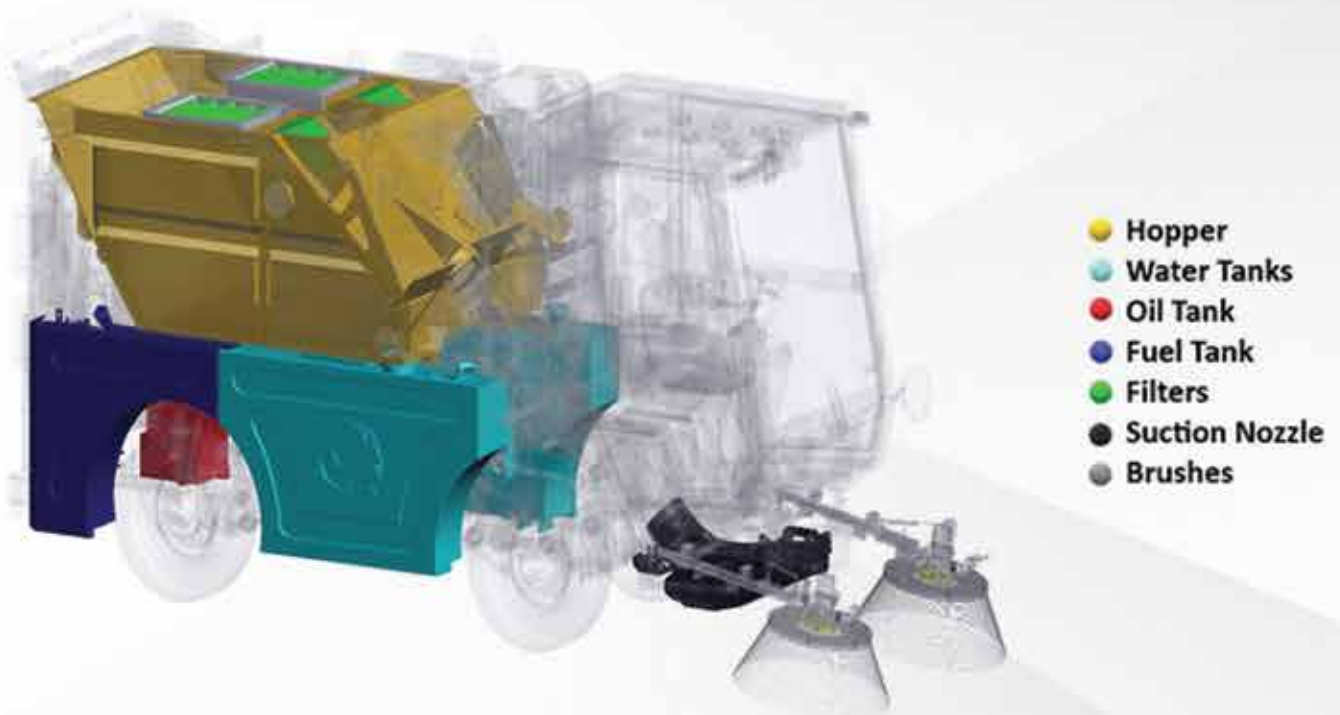
**CityMouse**

**2+ m<sup>3</sup> Hydrostatic Driven Compact Sweeper**



# Cutting-Edge Technology

Modular design enables to prepare CityMouse for future enhancements and adaptations and thus provides effective sweeping with low noise, dust suppression, and ease of maintenance all work together with exceptional on-task endurance.



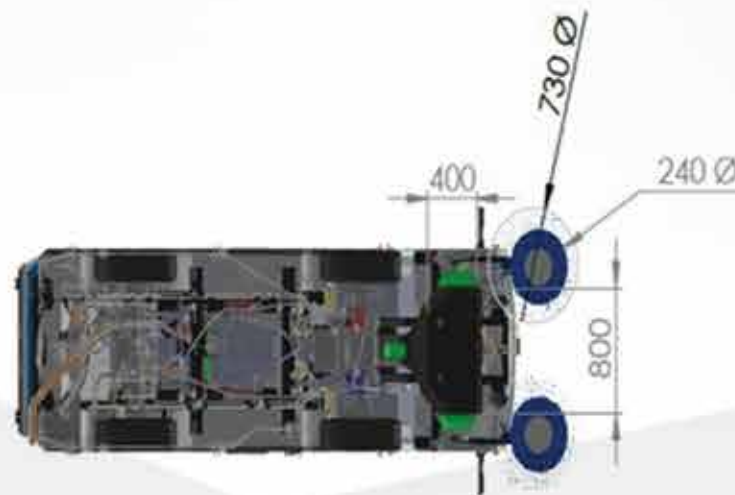
**Hopper:** 2+ m<sup>3</sup> hopper which is constructed from aluminium metal permits an increased radius of action and maximum debris collection; and it provides maximum comfort for the driver for long working days.

**Water Tanks:** Two stainless steel water tanks which have totally 360 lt water capacity are positioned in CityMouse. Water tank for clean water is used by brushes and water tank for recirculated water is used by suction nozzle in order to assure longer performance without refuelling.

**Oil Tank & Fuel Tank:** CityMouse includes 60 liter oil tank and 80 liter fuel tank which are both ideal capacity for a compact machine.

**Filters for Dust Suppression:** There are four stainless steel mesh filters in CityMouse. Two of them are located at the top of the hopper in order to provide dust suppression and to satisfy PM10 requirements. Other two are located in front of the fan impeller in order to protect it from the leaves, and small debris. Filters can be washed by water for long life use and can be changed easily when needed.

**Low Cost of Ownership:** We design whole the system to operate at the lowest costs. Maintenance costs are minimized without losing performance of the machine. Consumable parts are meticulously chosen to reduce running costs.



**Components in CityMouse:** Exclusively high-quality components of selected brand manufacturers are integrated in CityMouse. Çeksan attaches high importance to effective corrosion protection to ensure long-term use in any weather. The entire frame, the suction nozzle and other important steel components are painted and protected by special covering solutions.

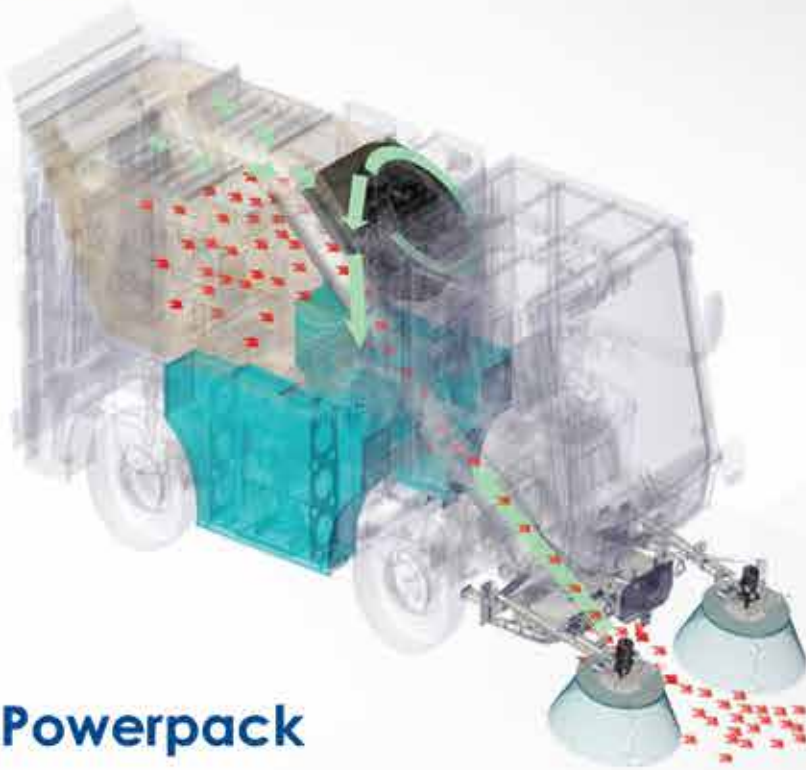
Çeksan in more than 50 countries  
in 6 continents



# Vacuum System

**Suction Nozzle and Flap:** Debris from the surface is sucked in a direct route into the hopper. Suction nozzle is towed, which ensures brake-back protection. The spherical joint permits movement in all directions, which guarantees optimum adaptation to the ground and constant sweeping performance.

Debris flap is hydraulically operated. This ensures to collect large amounts of debris without any problems.



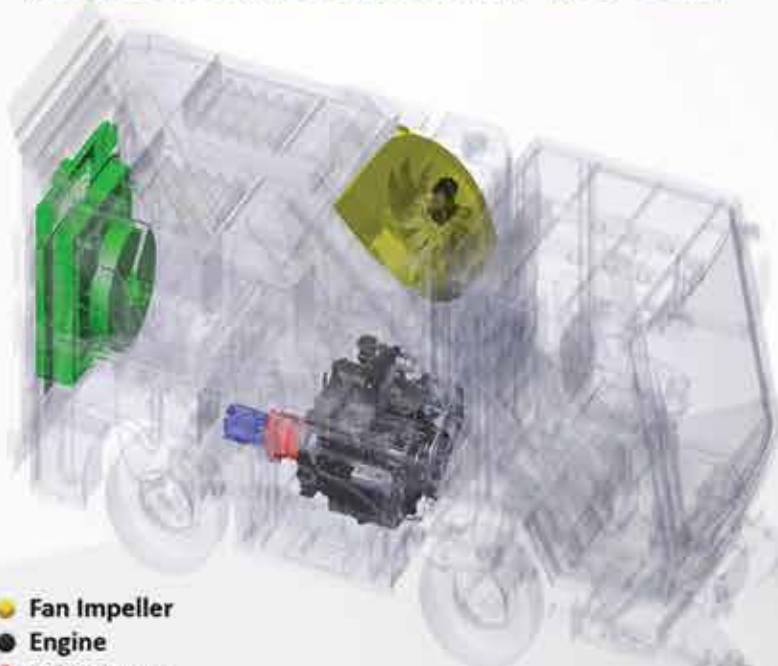
CityMouse's overall robust compact structure determines how well a sweeper picks up debris.

# Powerpack

**Robust Fan Impeller:** More robust means one-pass pickup, increasing operator productivity. It is constructed of stainless steel for durability and maximum service life.

Multiple vane fan impeller generates the necessary airflow to convey the debris from the suction nozzle into the hopper and vacuum needed to overcome any restrictions such as large quantity of garbages.

Fan speed can be adjusted from driver's cab.



- Fan Impeller
- Engine
- Drive Pump
- Vacuum Pump
- Radiators

**Right Choice of Engine:** CityMouse has powerful diesel engine which ensures optimum operational and fuel efficiency without compromising high performance. Kubota® American brand motors which meet the highest expectancies for emissions and environmental impact are used as standard in order to provide maximum power.

**Radiator:** CityMouse uses two radiators for engine water cooling and hydraulic system oil cooling.

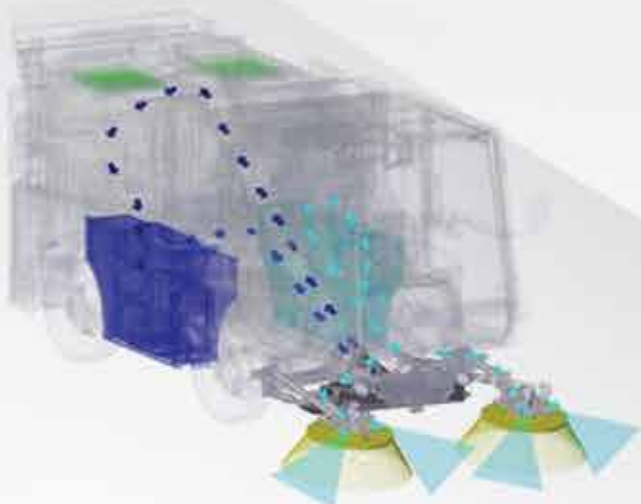
**Chassis :** It is a compact machine which has manoeuvrable design. The hydraulic chassis suspension offers maximum driving comfort. Excellent manoeuvrability is achieved thanks to all-wheel steering. Extremely small turning circle is easily achieved. All-wheel steering is monitored by means of steering angle sensors, which allows for automatic centring, and enhancing safety.

**Wheels and Brake System:** CityMouse features a hydraulic brake system with bells at all wheels. This gives the driver excellent control over the vehicle. Wheels with a high load capacity ensure increased safety when driving in poor road conditions. Either 2-wheel or 4-wheel steering is operated by the driver.



**Dust Suppression and Water Recirculation System:** Proper use of water is essential not only for dust suppression but also sweeping performance and longevity of sweeper components. Both brushes have stainless water jets to prevent dust while working. Waste is humidified at correct points throughout suction nozzle.

**Brushes:** CityMouse is equipped with 2-brush system which has kick back mechanism and whose all movements are controlled hydraulically and independently from each other as standard. Featuring independently controlled disc brushes, the 2-brush system guarantees absolute mobility in any sweeping situation. The rotating speed and ground pressure of the brushes can be adjusted from the driver's cab. Customer is free to choose polipropilen, steel or mixed brushes by considering road and country conditions.



**Driver's Cab & Monitoring:** Operational comfort and ergonomics are the focal point while designing the driver's cab.

It is equipped with sound-proofing and vibration damping.

Air conditioning system is standard in CityMouse.

Suction nozzle and rear door are equipped with cameras. Operator can monitor outside by the help of wide screen located in driver's cab.

All operating and control elements are arranged ergonomically around the driver for optimum reach. The design of gas and brake pedal, and cruise control facilitate the driver's work.

The sweeping unit is operated via the door and control panel featuring joysticks and push buttons.



**Unloading:** CityMouse is equipped with a high-dump system for emptying the container. The hopper lid opens hydraulically. A sturdy rubber gasket guarantees water-proof sealing during sweeping operations and prevents external air from being drawn in.

Its discharging system is designed to enable discharge of wastes into any waste container available on road. It doesn't need to transport wastes to waste disposal areas.

Discharging rear door is controlled by two hydraulic cylinders, and garbage tank lifter has load holder valve for safety.



**Easy to Maintain:** Safe and quick tilting hopper mechanism allows for easy inspection.

All critical controls including hydraulic system, engine, electrical control panels can be easily accessed in CityMouse due to its compact design.

The ease of access to these equipments aid diagnostic checks and maintenance.

Changing brushes can be done by the operator in a short time.



**Safety:** Direction and warning signs, cameras, and reflectors are located on all necessary points.

**Short Term Lead Time:** Çeksan has a flexible production program in order to provide delivery terms shorter than average of the sector.

**Noise Suppression:** CityMouse is equipped with noise suppression kits and isolation materials to provide international standard noise levels in cab.



**Service and After Sales:** Çeksan organizes periodical trainings for operators, shares all maintenance schedule as earlier as sales process in order to ensure full valid warranty conditions, and establishes an easily and fast accessible network for spare parts supply.

When a technical issue rises beyond capabilities of customers to solve, our company provides in place support thanks to expert team within company organization.

Whole product range is assured under Çeksan warranty conditions.

We supply parts along 10 years.

Hopper Tank Capacity (m <sup>3</sup> )	2
Sweeping Speed (km/h)	0-15
Sweeping Width (mm)	2900
Sweeping Capacity (m <sup>2</sup> /h)	43500
Water Tank Capacity (liter)	360
Water Tank Material	Stainless Steel
Empty Total Weight (kg)	3300
Engine Type	Diesel
Engine Power (kw)	72-75
Payload (kg)	4500
Wheelbase (mm)	1843
Length of Suction Nozzle (mm)	800
Suction Nozzle Diameter (mm)	204

**Options:** High pressure washing gun, painting of the body, and side suction hose are optional in CityMouse

Çeksan has been producing sweepers since 1989. We are the member of European Assosiation of Municipal Equipment Manufacturers (EUnited) and our plant is accredited to ISO 9001 Quality Management, ISO 14001 Environmental Management, OHSAS 18001 Occupational Health & Safety Management Systems, and TSE Service Qualification System. Whole CityMouse product range has CE marking and PM10 / PM2.5 labels.

Çeksan Research & Development Center officially certified by Ministry of Industry designs and simulates the sweepers with innovative technical tools and software before production. All customized products are manufactured in our factory without outsourcing in order to satisfy customer quality expectations and standards.



ISO 9001



ISO 14001



OHSAS 18001



CE CityRay



CityMouse



CE Cammello



CE Hamarat



CE BatteryFly



CE SmartBee



TSE



PM 10



R&D Center