

CITYJET

SPECIALIST FOR URBAN CLEANING

The CITYJET combines the best of both worlds: compact design meets powerful suction performance. Extremely manoeuvrable and very easy to operate - it rocks every job, whether it's a demanding sweeping task or large-scale road sweeping. The spacious hopper and generous fuel and water tank gives the CITYJET great endurance.

The CITYJET series is based on FAUN's many years of experience and the requirements of our international partners and customers.

This sweeper is available as a permanently assembled complete machine or as a CBB (Complete Body Build) kit available worldwide and complements our portfolio of truck-mounted sweepers. Primarily for municipal use, it also impresses in demanding applications.

The drive concept offers a choice between a 55 kW or 100 kW auxiliary engine, both compliant with EU Stage V emission standards. For markets outside the EU and the USA, we additionally provide a 90 kW variant meeting Stage IIIA standards.

The FAUN HS 1010 hydrostatic drive ensures optimum performance and flexibility.

Our proven hydraulic drive concept HYDRO-DRIVE ensures maximum efficiency with minimal fuel consumption.

The robust sweeping gear with trailed disc brushes is available as standard on both sides, optionally also on the single side (left or right hand). The modern CAN bus control system offers maximum operating convenience - with a central main display and a „Side Control“ touch display on the A-pillar.

	CITYJET 5	CITYJET 6
Hopper	5.5 m³	6.5 m³
Water volume	1,500 l	1,900 l
Chassis	12 t	15-18 t
Wheelbase	to 3,010 mm	to 3,260 mm

GOOD REASONS TO BUY CITYJET:

- Compatible with short wheelbase chassis
- Stage V auxiliary engine up to 100 kW (Stage III available for export) hydraulic or hydrostatic drive
- possible with automated manual transmission
- Intuitive, simple operation with automated functions
- Environmentally friendly thanks to perfectly tuned operating modes
- Simple emptying via electro-hydraulic system
- Trailed sweeping gear with brush positioning from the cab
- Easy handling and cleaning
- 4-star certification for PM10 and PM2.5 particles (EN 15429-3), noise emissions of 106 dB(A)



The hopper, including the tailgate, dirt collection chamber, partition walls, roof and inlet duct, is made of stainless steel.



The automatic, multi-stage safety prop and check valve on the hydraulic cylinder ensures maximum safety in all situations.



The hydraulically driven low-pressure water pump supplies the individual consumers via electric valves specially protected against calcification. The water flow delivered by the pump can be infinitely varied from inside the cab.



Practical wanderhose for cleaning gullies or for manual collection of leaves - can be specified either on the roof or on the tailgate

The roof-mounted wander hose can be moved very easily thanks to pneumatic support and has a radius of action of approx. 300°. There are controls on the handle for raising and lowering. As an option we can also mount this to the tailgate.



4 Service-friendly maintenance 6 hatches with pull-out ladder and two grab handles.

5 The auxiliary engine is easily accessible. This makes servicing easier. A 180 l diesel tank is standard.

6 The light metal alloy suction nozzle is manufactured using the die-cast process and has an easy exchangeable wear coating, collision protection, tilting function for picking up bulky debris and integrated water nozzles.

7 The swivelling roller brush is trailed and oscillating, with infinitely variable speed and down pressure control.

8 The trailed disc brush with down pressure control and tilt adjustment is optionally available with infinitely variable position adjustment.

9 The newly developed suction system uses a stationary, hydraulically driven suction fan with an impeller made of highly wear-resistant steel. This ensures maximum suction power. The standard system achieves an air flow of 16,000 m³/h and a maximum negative pressure of approx. 900 mm water column.

When using the 100 kW auxiliary engine, an airflow of approximately 19,000 m³/h and around 1,000 mm water column is achieved.



Auxiliary engine

DEUTZ 3.6 L 55 kW Stage V

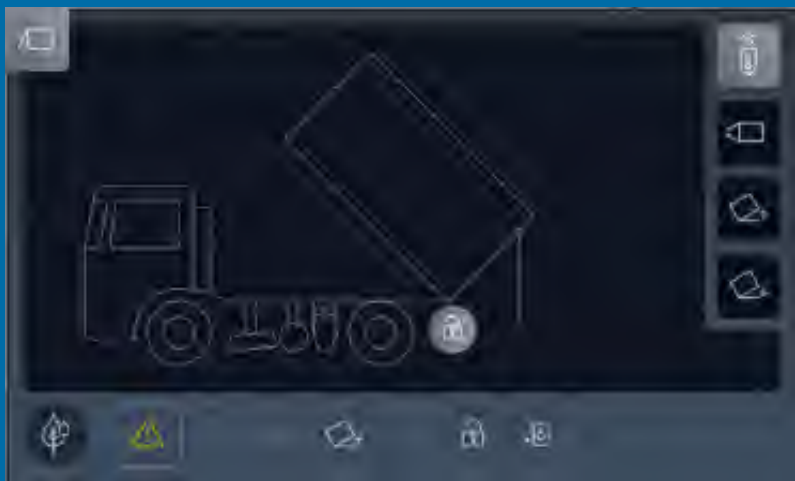
- ④ 4-cylinder common rail diesel engine with turbocharger
- ④ Diesel particulate filters and catalytic converter (without SCR/AdBlue)
- ④ Stage V emissions standard for Europe (higher than US EPA Tier 4 final)

DEUTZ 3.6 L 100 kW Stage V

- ④ 4-cylinder common rail diesel engine with turbocharger
- ④ Diesel particulate filter, catalytic converter and SCR/AdBlue
- ④ Stage V emissions standard for Europe (higher than US EPA Tier 4 final)
- ④ Automatically connected to a high-power hydraulic system and a high-power suction fan

DEUTZ 3.6 L 90 kW Stage IIIA

- ④ 4-cylinder common rail diesel engine with turbocharger
- ④ Stage IIIA emissions standard for countries outside Europe / USA



Emptying made easy

Tipping the container is fully autonomous and does not require starting the superstructure or chassis engine. The electro-hydraulics provide the necessary power. The driver can conveniently operate the functions from the cab or via remote control. Optimal safety is ensured by the automatic multi-stage safety support, hydraulic check valves, and the two-hand operation at the rear.



Hydrostatic drive

The HS1010 is FAUN's renowned and extensively tested hydrostatic drive system.

Through a pump splitter gearbox in the drivetrain, the sweeper superstructure and the vehicle are hydraulically powered.

The two driving modes, "Sweeping Mode" and "Transport Mode," switch automatically, enabling a maximum speed of up to 15 km/h during cleaning and 40 km/h for driving. The maximum gradient capability is approximately 20% at full load. A cruise control system comes as standard equipment.

The newly developed control elements assist the driver, making operation effortless.

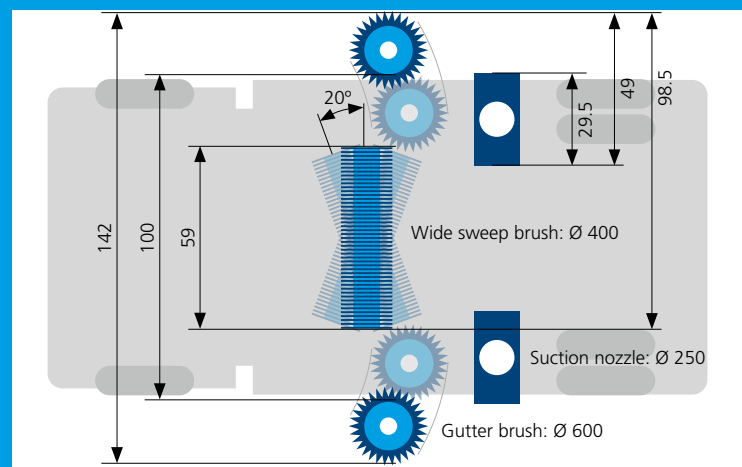


Innovative & intuitive operation

The cockpit features a 7-inch main display for settings, diagnostic functions, and the rearview camera feed. During sweeping operations, all key functions can be conveniently controlled via a side panel integrated into the driver's door.

The SideControl panel includes a 5-inch touchscreen, a joystick, and control elements for managing the sweeping systems, drive, and main machine functions. Drivers can choose between sweeping modes such as ECO, CITY, and POWER to quickly adjust the sweeping performance as needed.

The system is complemented by a remote control, which supports tipping operations and essential manual tasks outside the vehicle.



Sweeping systems

- ⊗ Dual-sided sweeping system for single-sided and simultaneous sweeping.
- ⊗ Swingable wide sweep brush: Trailing, pendulum-mounted roller brush with infinitely variable speed and down pressure adjustment (400 mm diameter, 1,500 mm length).
- ⊗ Trailing gutter brush: Equipped with down pressure adjustment, tilt adjustment, and optional infinitely variable position adjustment (600 mm diameter).
- ⊗ Suction nozzle: Made of light metal alloy (die-cast) with wear-resistant coating, collision protection, tipping function for bulky debris intake, and integrated water nozzles (250 mm diameter, 750 mm width).



High-pressure water system

The machine can be equipped with a high-pressure water system, which can be conveniently controlled from the driver's cab. Individual consumers are activated via a central distributor using ball valves.

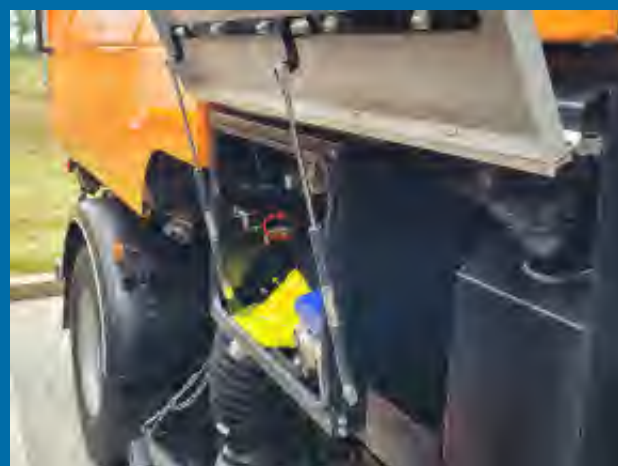
The high-pressure system is integrated into the central blow-out device to ensure complete drainage and prevent frost damage.

High-pressure system for 15 l/min at 100 bar

- ⊗ Including hose reel and hand lance

High-pressure system for 30 l/min at 100 bar

- ⊗ with hose reel and hand lance
- ⊗ FLATJET bar with 7 nozzles behind the roller brush
- ⊗ FLATJET bar with 4 nozzles behind each suction duct
- ⊗ Free connection for an additional HP bar



Storage compartment

A spacious storage compartment provides ample room for tools, a hand suction pipe, and hoses. It is located on the right side and is accessible when the debris container is lowered.



Service hatch

The maintenance-friendly technical compartment houses pneumatic and hydraulic valves as well as control systems centrally in one location. It is accessible both when the debris container is raised and lowered.



WE THINK & WORK SUSTAINABLY

- ⌘ The CITYJET is developed and manufactured in our new production facility in Grimma. Every process is designed with ecological and economic sustainability in mind.
- ⌘ The fan's hydraulic system operates efficiency optimized in a closed circuit.
- ⌘ The lightweight design reduces the vehicle's weight while maximizing payload capacity.
- ⌘ The lightweight plastic water tank is 100% recyclable.
- ⌘ The electro-hydraulics for waste container functions allow unloading, even when the engine is off.
- ⌘ The new valve series for the working hydraulics is also optimized for maximum efficiency.
- ⌘ Because we care about the environment.