



ROAD SWEEPERS

**STREAMLINE
GENERATION**

- ⊕ Compact
- ⊕ Fast
- ⊕ Air circulation system
- ⊕ With raised emptying function

CITY CLASS

VIAJET 4

**RELIABLE
PROGRESSIVE**

 **FAUN**
KIRCHHOFF GROUP

VIAJET 4

The compact road sweeper

The VIAJET 4 concept brings together the robust construction of typical 7.5 t chassis with all the practical qualities of a superstructure road sweeper. The approximately 1.9 m-wide chassis are ideal for urban use. Thanks to the lightweight design, a maximum payload of around 3 t can be achieved. The debris holding area has a loading volume of 4 m³, in accordance with DIN EN 15429-1. The container hood is made from light glass-fibre-reinforced plastic, and can be fully raised for refuse collection. In decentralised applications, too, the VIAJET 4 raised emptying function can be used to tip the load into pits up to 1.5 metres deep.

The new engine configuration provides improved access to the area for servicing and allows for a high water capacity of 800 l.

The VIAJET 4 comes with FAUN's patented air circulation system as standard, which guarantees the lowest emission values in the expelled air.

FAUN drive concept

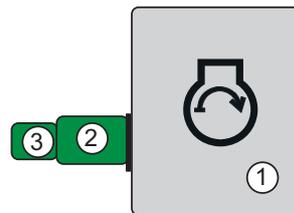
Kubota auxiliary engine

The robust four-cylinder suction engine with 2.4 l displacement is based on low-emission swirl chamber technology.

The unique Kubota casting technique enables water channels to be positioned between the cylinders, which effectively prevents cylinder distortion at a high power density.

The motor is located in a well-insulated position in the motor housing behind the water tank. The new layout, crossways to the direction of travel, significantly improves accessibility.

The motor is connected to a double hydraulic pump, which directly drives the blower via an efficient control system while separately providing power to the other hydraulic consumers.



- 1 Auxiliary engine
- 2 Suction fan pump
- 3 Working hydraulics



The auxiliary engine

A robust and quiet suction engine drives the suction fan.



Streamlined suction fan

The sloping configuration of the suction fan optimises the volume flow and reduces debris build-up.



The water tank

The lightweight, glass-fibre-reinforced plastic tank of the VIAJET 4 is entirely non-corrosive and prevents the build-up of limescale. The arrangement of the tanks lowers the centre of gravity and ensures optimum weight distribution; it also improves stability during tipping and serves as soundproofing.

1 The FAUN air circulation system

The FAUN air circulation system continuously transports the extracted air from the debris container to the blowing nozzle behind the suction nozzle. When loaded with new debris, the already moistened and heated air is once again sucked into the suction nozzle and thereby circulated. The quantity of recirculating air can be variably adjusted between 30 and 70 % depending on the application.

Only the relatively small proportion of air which is not recirculated flows out smoothly under the machine. Fine dust emissions from the FAUN road sweeper with the air circulation system are therefore approximately 50 % lower

than for pure suction road sweepers. In addition, the VIAJET 4 does not blow dust around, because clean exhaust air is expelled behind the sweeper units on the portion of the road which is already clean.

Adding water to the blast air also enables the road to be cleaned in the working area of the suction nozzle. In winter, it can be used in temperatures reaching down to -5 °C by adding water to the suction nozzle, as the air introduced into the circuit is heated by around 15 °C and therefore prevents the water in the suction nozzle and the container from freezing.



The suction nozzle

The suction nozzle with large foliage flap can cope with all the challenges of urban applications.



The roller brush

The fixed right-hand-side roller brush rapidly guides debris into the right-hand suction nozzle.



The disc broom

The powerful pulled disc broom features angle adjustment, enabling it to be positioned perfectly for the sweeping task at hand.



The debris container

The laterally raised base trough made of V2A, in combination with the large tilting angle, ensures efficient emptying and easy cleaning, even when picking up milled material. The exceptionally high debris capacity delays oversuction, even when fully loaded. The water tank is separate from the container, increasing stability during tipping.



Ample space for accessories

The VIAJET 4 features two large storage boxes to the rear as standard.



At your fingertips, not only in sight

The control centre for the driver is clearly laid out – and thanks to the tactile switches and controls, it can even be operated without looking. The driver can concentrate entirely on the road sweeping action and the traffic.



WATER TANK VOLUMES

VIAJET 4 drive concept	Water as standard	Optionally upgradable
Auxiliary motor	800 l	–



DRIVE CONCEPTS

Drive versions	Body category					
	4 m ³	5 m ³	6 m ³	7 m ³	8 m ³	12 m ³
Auxiliary motor	x		x	x		
Hydraulic drive		x	x	x	x	
Hydrostatic drive		x	x	x	x	x



POWER CLASS

CITY class	Road sweeper type	
	VIAJET 4	VIAJET 5
VARIO class	VIAJET 6	VIAJET 7
POWER class	VIAJET 8	VIAJET 12

FAUN special applications



Pneumatic suction nozzle lifting



Pneumatic disc broom guard



Third brush on both sides



Manual suction hose at rear, DN 200



HP water pump with hose reel



Drain cleaning set



"Floating suction nozzle"



Simultaneous sweeping



Noise insulation in engine housing



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