



Road sweeper with automatic drive



WATER TANK VOLUME

VIAJET 6 drive concepts	Water as standard	optionally extendable without change of wheelbase
John Deere auxiliary engine	1.900 l	Not extendible
VW auxiliary engine	1.900 l	Up to 2.300 l
Hydraulic drive – via main engine	1.900 l	Up to 2.700 l
Hydrostatic drive – via main engine	1.900 l	Up to 2.700 l



DRIVE CONCEPTS

Drive variants	Auxiliary unit class					
	4 m³	5 m³	6 m³	7 m³	8 m³	12 m³
Auxiliary engine	x		x	x		
Hydraulic drive		x	x	x		
Hydrostatic drive		x	x	x	x	x

A solution for everything:



FILTAIR



AQUATHERM



Changeovers



Rear-mounted suction systems (underbody or tailgate mounted)



Front-mounted broom



High-pressure system



CATEGORY

	Sweeper machine type		
CITY urban operation	VIAJET 4		VIAJET 5
VARIO variable operation	VIAJET 6		VIAJET 7
POWER special operations	VIAJET 8		VIAJET 12



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The current brochure can be found as a PDF on our Website at www.FAUN.com



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ROAD SWEEPERS

STREAMLINE GENERATION

- ⊕ High suction capacity
- ⊕ Optimized aerodynamics
- ⊕ More water
- ⊕ Re-circulating air system

VIAJET 6

**RELIABLE
PROGRESSIVE**



VIAJET 6 – Made for your measure

The VIAJET 6 – a whole range of combinations with versatile fittings and equipment. That means it can be individually configured to fit into almost any operational role. As pioneers in the field of hydraulic drive technology, FAUN provide single-engine concepts that lead the way to the future with hydraulically or hydrostatically powered sweeping machines, combined with the very latest in auxiliary engine and chassis engine driven concepts.

As well as a high degree of efficiency, the technology features a bunch of details. Great economy combined with the maximum in environmental friendliness make the name FAUN stand out from the crowd. One example is the air recycling system, fitted as standard on all models, which guarantees the best possible emission values in the exhaust air.

FAUN Drive Concepts

Auxiliary engines

Exhaust gas standard

- Euromot 3a (with flexi-regulation)
- Euromot 3b

New ways ahead: The focus is on economy and efficiency, instead of unused power reserves.

Advantages for you: With an auxiliary engine, the road sweeper functions are powered independently of the chassis engine. And with the use of smaller-dimensioned and lighter engines, such as the VW engine, even less space is needed, and more payload possible.

Hydraulic drive

The drive for the sweeper machine is provided by a hydraulic double pump, which is powered by a rear engine chassis PTO (approx. 600 NM) independent of clutch and gearbox. Variable operation in the engine speed range from 900 - 2,000 rev/min.

Advantages for you: The matching of the turbine output to the engine performance so as to meet the demand means more fuel savings. Eliminating the traditional auxiliary engine reduces maintenance expenditure. There are no added emissions neither, and noise values can be cut by up to 2 dB(A).

Hydrostatic drive

- HS 1000 – Up to about 290 HP, drive by cardan shaft, switching between mechanical and hydrostatic modes.
- HS 2000 – In the heavy class, up to about 400 HP, drive via rear engine PTO, which means it can be combined with automated transmission systems.

Advantages for you: With this special FAUN development for sweeping operations, the chassis engine can be run in the optimum performance range, and the strain is lifted from the entire drive train. This makes for easy and convenient load shifting control, simply using the accelerator pedal. A Tempomat facility can be provided as an option.

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The FAUN air recycling system

The air recycling system constantly recirculates the air from the sweeper to the suction box. Only a small percentage of the air passes into the atmosphere. Depending on the operational scenario, the recycled air volume can be adjusted in between 30% - 70%. The fine dust emission from a FAUN sweeper is 50% less than that of purely suction concepts. No dirty air is expelled into the working area at the rear and

The 3D animation can be found on our Website at www.FAUN.com



around the sweeping machine. Additional streetcleaning is achieved by adding water to the recycled air. In winter the VIAJET can operate in temperatures as low as -5 °C, due to the circulating air in the system being warmed to about 15 °C, thus preventing the water in the suction shaft and hopper from freezing.



It all comes down to position

Inclined suction fan provides optimum volume flow and improved suction power.



Sweeping without disturbance

The "Silent Plus" option means highly effective noise reduction by up to 99 dB(A) on the engine and fan system.



Increased water capacity

The twin tank solution provides for a total tank volume of 1,900 litres. The primary fibre glass tank is fixed directly onto the sub frame under the hopper. The secondary tank, also made of fibre glass, is mounted in between fan and cab, providing additional noise protection.



Modern drive concepts

FAUN has many years of experience and success to draw on with the three basic types of drive. Depending on the operational area of the sweeper, the customer can choose between different drive concepts.



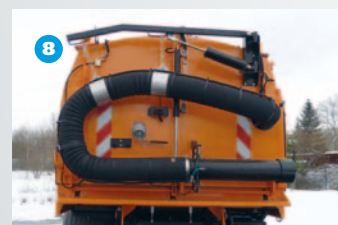
The V-nozzle

The V-shaped suction nozzle with its large aperture, made of 4 mm steel, conveys the swept material directly into the suction pipe. Even in difficult conditions, heavy material will be completely picked up.



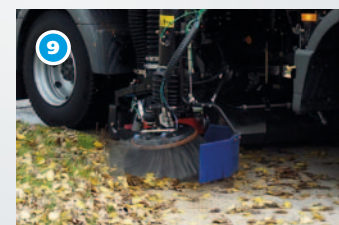
Everything at a glance

The central operating panel provides easy access to all the functions, showing the driver all important information.



Wander hose with pneumatic support

The robust rear-mounted suction system provides the tried and trusted functions, as well as additional uses, such as emptying gullies and waste bins. With the pneumatically support carrier arm, the suction system can be moved effortlessly through the entire working area range, with adjustable operating height.



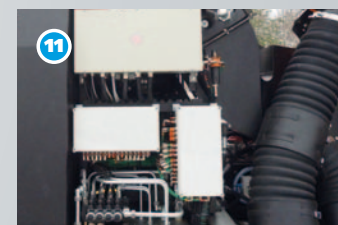
The power brush

The channel brush is mounted as a pushed brush on a central column, and fitted with an additional overload prevention device. The powerful sweeping performance of the pushed brush picks up even heavy dirt off the road surface, working like a scraper. The channel brush can be pivoted outwards; independently of the suction nozzle (2-5 working positions are adjustable from the cab).



Quality for long service life

High quality materials (bottom pan made of V2A, stainless steel) and very smooth inner walls provide easy emptying and an extended service life.



Central switching unit

All valves and adjustments for the electrical, pneumatic, and hydraulic systems are located in one central console, which is maintenance-friendly and protects against water ingress.



Uneven ground

The sweeping roller is suspended so as oscillate around its centre of gravity, which means it can adjust to every bump and every road camber. Contact pressure and revolution speed can be smoothly adjusted, to ensure that every surface is swept really clean.