



+ WATER TANK VOLUMES		
VIAJET 12 drive concept	Water as standard	Optionally upgradable with wheelbase change
Hydrostatic drive – via traction engine	4,700 l	Additional 1,200 l Additional 1,700 l Additional 2,000 l

+ DRIVE CONCEPTS						
		Body category				
Drive versions	4 m³	5 m³	6 m³	7 m³	8 m³	12 m³
Auxiliary engine	x		x	x		
Hydraulic drive		x	x	x	x	
Hydrostatic drive		x	x	x	x	x

+ CATEGORY		
		Road sweeper type
CITY city application	VIAJET 4	VIAJET 5
VARIO variable application	VIAJET 6	VIAJET 7
POWER special application	VIAJET 8	VIAJET 12

FAUN special applications



AQUATHERM – Surface cleaning



Tunnel cleaning



Front broom



Underbody-mounted suction system



Telescopic sweeping mechanism



High-pressure systems



Rotary nozzle beam



Flat-jet beam



Front-jet beam



+ ROAD SWEEPERS

STREAMLINE GENERATION

- ⊕ High suction performance
- ⊕ Optimised aerodynamics
- ⊕ More water
- ⊕ Air circulation system

VIAJET 12



FAUN Umwelttechnik GmbH & Co. KG  
Feldhorst 4  
27711 Osterholz-Scharmbeck  
GERMANY  
Tel. +49 47 95 9 55-0  
Fax +49 47 95 9 55-200  
info@FAUN.com

www.FAUN.com

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RELIABLE  
PROGRESSIVE





# VIAJET 12 – Your high performance specialist

VIAJET 12 is designed for the harshest and most specialist working environments because of its size and performance.

Built on a chassis incorporating 3 axles with 26-tonne permitted laden weight, this sweeper combines a huge payload with considerable usable volume.

Equipment configurations based on user requirements make the VIAJET 12 a specialist for any contractor who has to perform specialist tasks on large building sites and motorways.

The VIAJET 12 comes with FAUN's patented air circulation system as standard, which guarantees the best emission values in the expelled air.

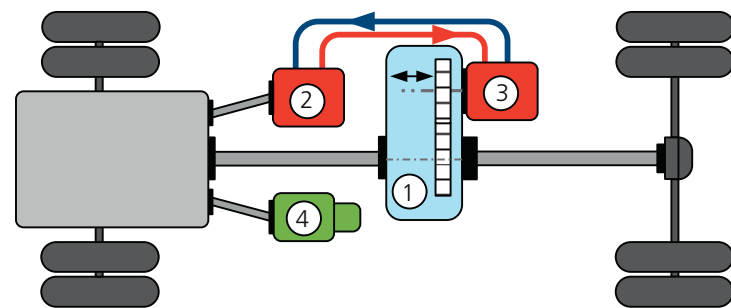
## FAUN drive concepts

## Hydrostatic drive

- HS 3000 – heavy-duty class for 400 hp and above, drive via rear engine PTO, enabling it to be combined with automatic transmission; inter-axle differential with fixed drive shaft is driven by the drive motor.

**Benefits to you:** This special development from FAUN means that the engine can be driven in the optimal operating range. The sensitive control relieves the load on the drive train considerably, especially during load alteration. Three drive programmes make it possible to adapt effectively to any application situation. It is operated simply by using the drive pedal. Cruise control is an optional extra.

### Illustration of HS 3000



- |                            |                   |
|----------------------------|-------------------|
| 1 Gear box with spur gears | 3 Drive motor     |
| 2 Drive pump               | 4 Auxiliary pumps |

1

## The FAUN air circulation system

The FAUN air circulation system constantly transports extracted air from the sweepings container to the blowing nozzle. Only a small proportion of the air is released unused into the atmosphere. The quantity of circulating air can be variably adjusted between 30 and 70 % depending on the application.

Fine dust emissions from the FAUN road sweeper with the air circulation system are 50 % lower than for pure suction road sweepers. The small amount of un-recycled air is released behind the sweeping devices in the area that has already been cleaned.

Adding water to the blast air also enables the road to be cleaned in the working area of the suction shaft.

In winter, it can be used down to  $-5^{\circ}\text{C}$  by adding water to the suction shaft, as the air introduced into the circuit is heated up by around  $15^{\circ}\text{C}$  and therefore prevents the water in the suction shaft and the container from freezing.



### Maximum suction performance

- Inclined high speed fan
- Optimum suction performance
- High sweeping speed
- Sweeping devices and rear suction system can be used simultaneously
- High suction width at a high suction power



*Extraordinary high volume of water*

- Total water volume of 4,700 l
- Can be expanded with additional water tank
- Low centre of gravity
- Light-weight fiber-glass tank and completely resistant to corrosion



**Strong drive**

- High performance hydrostatic drive
- High drive comfort



### The suction shaft

- Large opening
- Robust
- Optimal aerodynamics



### The wide sweep brush

- Swing mounting
- Sweepings carried optimally into the shaft
- Wide approach angle



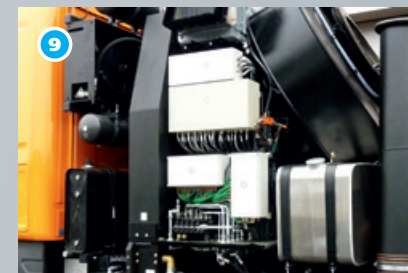
### The aggressive broom

- Widely and variably movable
- Works in front of the widesweep brush



### The container

- Optimal load thanks to special air circulation
- Easy to empty, even for milled materials
- Container without integrated water tank
- Very high stability when tipping
- Low oversuction given due to container height
- Stainless steel bottom pan, with raised sides



### The control centre

- Easily accessible
- Protected from dust and water
- Central and clear layout of the control elements and valves



### Everything at a glance

- All functions simple to access
- Intuitive control