



## FAUN-CITY applications making work easier



Suspended suction nozzle



Inclined suction mouth



Driver's door operation



Water high pressure on the wide sweep brush



Front Road-cleaning system



Spray jet package



Wire rope for leaf screen



Container cleaning flap



Manual suction system at the rear



### WATER TANK VOLUMES

VIAJET 5 drive concept	Water as standard	Optionally upgradable
Hydraulic drive via chassis engine	1,100 l	Yes
Hydrostatic drive via chassis engine	1,100 l	Yes



### DRIVE CONCEPTS

Drive versions	Body category					
	4 m <sup>3</sup>	5 m <sup>3</sup>	6 m <sup>3</sup>	7 m <sup>3</sup>	8 m <sup>3</sup>	12 m <sup>3</sup>
Auxiliary engine	x		x	x		
Hydraulic drive		x	x	x	x	
Hydrostatic drive		x	x	x	x	x



### CATEGORY

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



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## ROAD SWEEPERS



**STREAMLINE GENERATION**

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

## VIAJET 5



**RELIABLE  
 PROGRESSIVE**



VIAJET 5 04/2014 A-GB

# VIAJET 5 – Your high performance city speedster

Given its compact size and strong performance and sump capacity, the VIAJET 5 is ideal for municipal use.

Previously only available with hydrostatic drive, FAUN – the pioneer of the hydraulic drive technology – now offers this concept for the VIAJET 5 streamline as well. Despite the slim external proportions of the laden vehicle, the waste container has a remarkable usable volume. Clever positioning of the water tank behind the front axle achieves an optimal weight

distribution with a maximum payload. Even in this vehicle category, the VIAJET 5 offers the driver an excellent sense of space and optimal all-round visibility. This makes the VIAJET 5 perfect for city use in narrow streets or in commercial and industrial parks.

The VIAJET 5 has been fitted with the FAUN air circulation system as standard since the Streamline generation, guaranteeing the best emission values in expelled air.

## FAUN drive concepts

### Hydraulic drive

- The sweeper is driven by a hydraulic dual pump powered by a power take-off of the chassis variable drive (approximately 600 Nm)
- Variable drive in the speed range 900 to 2,000 rev/min

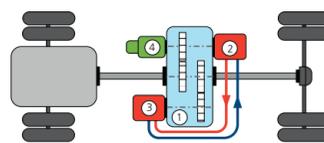
**Benefits to you:** Fuel savings can be achieved as the turbine performance is adapted to the engine's performance. Investment in maintenance is also reduced, as there is no need for an additional auxiliary engine. Furthermore, there are no additional emission values and noise generation can be reduced by up to 2 dB(A).

### Hydrostatic drive

- HS 1000 R – up to approximately 290 h.p., drive via power train, switch between mechanical and hydrostatic drive

**Benefits to you:** With this special development for sweeping applications from FAUN, the engine can be driven in the optimal operating range, relieving the load on the entire drive train. A convenient load change control is therefore ensured. It is operated simply by using the drive pedal, similar to a forklift. Cruise control is an optional extra.

### Presentation of the HS 1000 R



1. Transfer gearbox
2. Drive pump
3. Drive motor
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 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 °C by adding water into the suction shaft, as the air introduced into the circuit is heated up by around 15 °C and therefore prevents the water in the suction shaft and the container from freezing.



- Aspirated contaminated air
- Circulating blast air
- Clean expelled air



### Efficient and high performing

- Sloping exhaust system
- Optimal volume stream
- Very good suction performance



### Optimally positioned – the fiber-glass tank

- Light-weight fibre-glass tank and completely resistant to corrosion
- Considerably less calcification
- Positioned just behind the front axle
- Optimal weight distribution



### Modern drive concepts

- Hydraulic drive can be switched on during travel
- Hydrostatic drive



### The V-shaped shaft

- Large opening
- Robust
- Optimal aerodynamics
- Brushes are easy to change



### The wide sweep brush

- High inclination
- Sweepings carried optimally into the shaft
- Automatically fixed in the raised position



### The pulled broom

- Works in front of the roller brush
- Excellent manoeuvrability to avoid obstacles
- Simple construction



### Set-up box

- Pre-set water quantities of the individual water circuits
- Adjusting pressure required by disc broom and roller brush
- Easy access without tilting container



### Control unit

- Easy access without tilting container
- Protected from dust and water
- Clear layout of the control elements and valves



### Quality for long service life

- Stainless steel bottom pan, with raised sides
- Easy to empty, quick to clean
- Container without integrated water tank