



## Technical data

Mercedes-Benz  
tippers

9.2 tonnes perm.  
gross vehicle weight

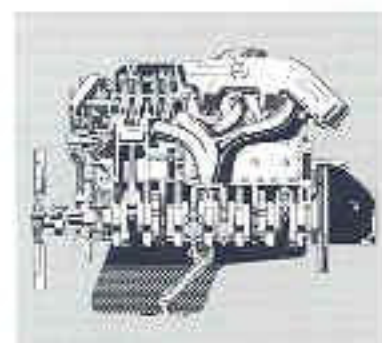
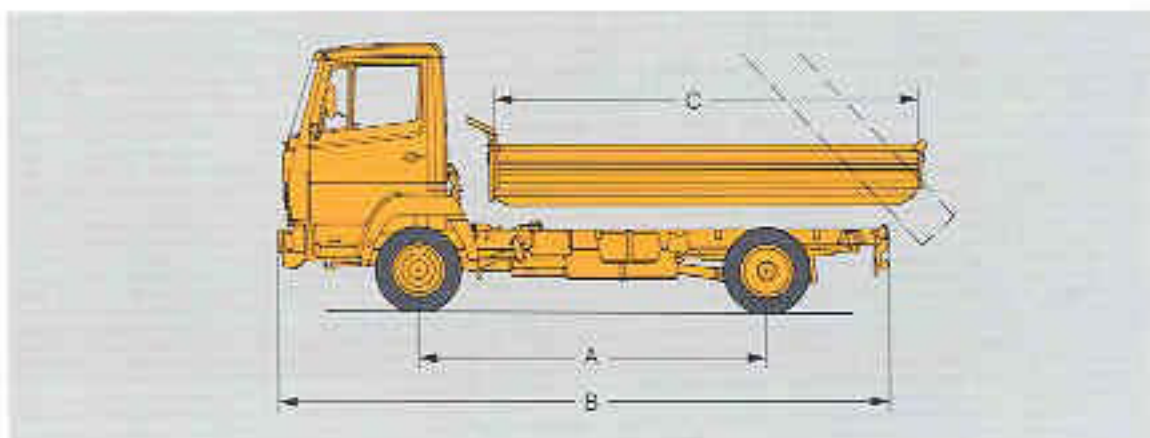
18 tonnes perm.  
gross combination weight

914 K

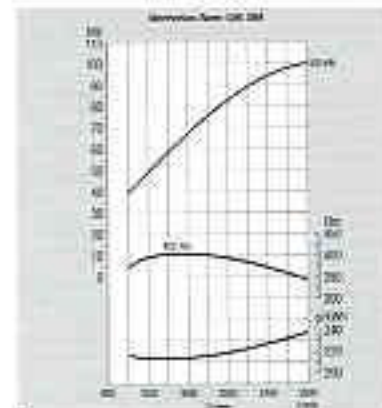


# The 914 K with 100 kw (136 hp) engine.

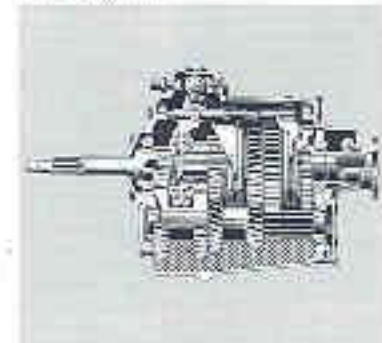
The 914 K tipper is a highly robust, powerful and reliable construction site vehicle. The completely new driving cab is a pleasure to work in. It has been designed to the latest ergonomic standards with standard power steering and excellent vision to the front, side and rear.



Millions of kilometers of road testing have proved the stamina of the new OM 366.



The new engine generation achieves maximum torque even as low as 1400-1600/min.



Mercedes-Benz 5-speed synchromesh gearbox (1) 3/40-5.

### Measurements

A Wheelbase	3750 mm
B Chassis length to bumper	5510 mm
C Body measurements in mm	3800 + 2200 = 4000
Turning circle	12.10 m

### Weights in kg for chassis

Chassis with cab, tools + spare wheel	3700
Payload + body	6100
Front axle load	3500
Rear axle load	6200
Perm. GVW	11200
Perm. GCW	18000

### Mercedes-Benz diesel engine

Type	Mercedes-Benz OM 366
Cylinders	6
Bore x stroke	97.6/133 mm
Displacement	5650 cm <sup>3</sup>
Output	100 kW (136 hp) at 2800/min
Max. torque DIN	402 Nm (41 kgm) at 1400 - 1600/min
Starter motor	24 V
Three-phase generator	22/30 A

**Max. climbing ability** 15.5%  
at angles up to 1000 m above sea level in 1st gear, at maximum torque and with a perm. GVW of 9571

Climbing ability with trailer 16.7% with a perm. GCW of 181

with standard cab

### Chassis

Clutch	Single plate dry clutch MF 013
Gearbox	Synchr. gearbox MB G 3/40-5/10
Axle ratio type	4.5:1 H1.2
Wheels	Rim 17.5 x 6.75
Tyres	225/75 R 17.5
Fuel tank	100 litres
Battery	2 x 12 V 66 Ah
Consumer voltage	24 V

**Max. speed** 107 km/h  
at max. engine speed

### Optional

Rear axle ratio 3.83 / 3.00 / 2.875 / 2.125  
Differential lock

For enquiries write to the text table. The data in this table are valid, unless they are stated otherwise by 200 kg, maximum weight.

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# Top class engineering and design.

## The vehicle.

These vehicles complete the 6.5-13 tonnes permissible gross weight range. Vehicles which are carefully designed for economy and high performance and are therefore equally attractive for both operators and drivers. Developed with the knowledge of the problems involved and in constant consultation with drivers and operators. With improved drive train and recently developed low-consumption engines. Requires very little maintenance and the long life of all the parts minimizes operation costs and makes for an extremely economical vehicle.



## The cab.

The tilt cab in construction site vehicles, with its modern ergonomic design, is suitable for short-distance operation even under tough conditions: high ride comfort due to separate cab suspension with elastic rubber bushes in the two forward tilting bearings and transverse leaf spring with two shock

absorbers in the rear. Easy entry and exit. Through-cab access. Generous interior height and adequate legroom. Anatomically shaped seats. Multiple adjustment driver's seat. Efficient heating and ventilation. Large windows with excellent vision all round. Clearly arranged controls.



Idle time for inspection's job, is reduced by tilting cab giving easy access to the engine.

Designed to the latest ergonomic standards. The ideal work-place for effortless driving.

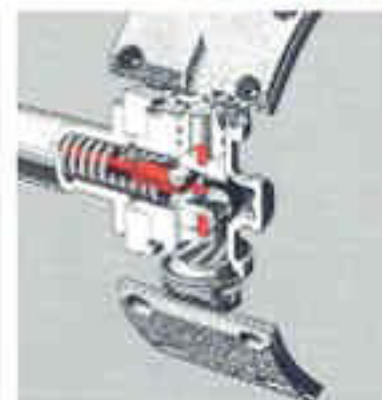


## The engine.

The new engines in the 6.5 to 13 tonners are more economical and less harmful to the environment. Reductions in fuel consumption and exhaust emission and an increase in max. torque at the same time make these engines stand out from the rest. A guarantee for longer life: 2000 hours on the testbed and over 5 million kilometres of road testing have proved the stamina of these engines.



The green zone, always in view, is an important aid to economical driving.



The new Simplex wedge brake and integral parking brake. Self-adjusting.

## The brakes.

The twin-circuit compressed air braking system is an innovation in this weight category. It is equipped with Simplex wedge brakes and an integral parking brake. The brake shoes are self-adjusting by means of the wedge mechanism. The brake system is simple and requires very little maintenance.

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