

Technical data

2628 AS



Mercedes-Benz
All-wheel drive
tractor unit
26 tonnes perm. GVW



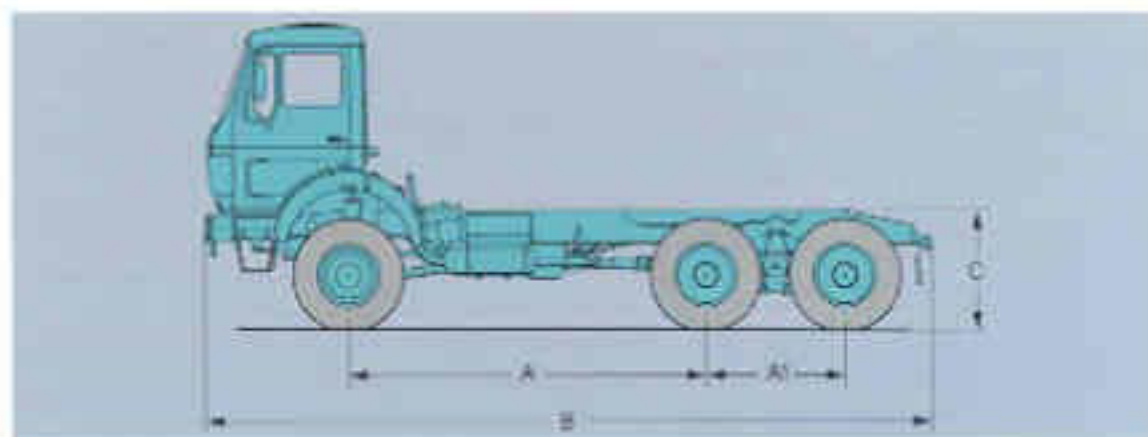
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The 2628 AS – 206 kW (280 hp).

With the 2628 AS, Mercedes-Benz offer a all-wheel drive tractor unit for construction work. The new torque characteristics of its powerful V8 N.A. engine provide even greater pulling power at a low engine speed.



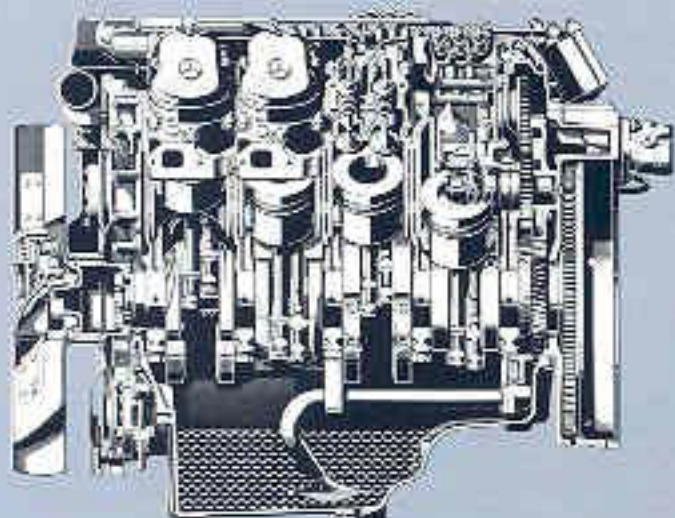
Mercedes cabs are based on a carefully thought-out unit-construction principle. Years of research and development have resulted in the highest technology. In the standard cab this means its own, excellent, independent suspension: two pivot bearings with elastic rubber bushes at the front, and two vibration-damping spring struts at the rear. Getting in and out of the cab is easy. Through-cab access. Spacious interior with plenty of leg room. Body-contoured seats, driver's seat with wide range of adjustment. Good visibility through an extra-deep windscreen. Efficient heating and ventilation. Plenty of room for personal belongings. The cab tilts forward through 65 degrees.

Dimensions	Tractor with standard cab, 26 tonnes	
A Wheelbase	3000 x 1200 mm	
B Chassis length to end of frame	7075 mm	
C Cab height	1215 mm	
Turning circle	16.00 m	
Weights in kg for chassis		
Chassis with cab, driver and tools	5105	
Full wheel load incl. weights, substructure, spare wheel and rear mudguards	15805	
Front axle load	5500	
Rear axle load	2 x 10300	
Permissible GVW	26000	
Permissible GVW	38000	
Mercedes-Benz diesel engine		
Model	Mercedes-Benz OM 422	
No. of cylinders	8	
Bore/stroke	128/147 mm	
Total displacement	11910 cm ³	
Output	200 kW (270 hp) at 2000/min	
Max. torque	1040 Nm (764 ft-lb) at 1100/min	
Starting motor	24 V	
110V phase alternator	28 V/27 A	
Max. climbing ability	Max. 32% Cross country 24%	
	with brakes at altitudes up to 1000 m above sea level in first gear at max. torque and permit. GVW of 26 tonnes	
Chassis		
Clutch	Single-plate dry clutch G7 120	
Gearbox	G 4-170-6/92 synchronised	
Gear ratio	5.7	
Wheels	Rims 500 x 27.5	
Tires	12 R 22.5	
Fuel tank capacity	300 l	
Battery	3 x 120/135 Ah	
Consumption (average)	24 litres	
Max. speed	at max. engine speed 97 km/h	
Options	Differential lock Rear axle ratio 5.771:1	

The output given in kW applies to the engine with 60°C coolant temperature. It is not necessarily available at this output for driving the vehicle, as are other power consumption figures. These have been calculated. The 2628 AS is a 26-tonne GVW. A 38-tonne GVW is also available. Please check the technical data of the relevant model.

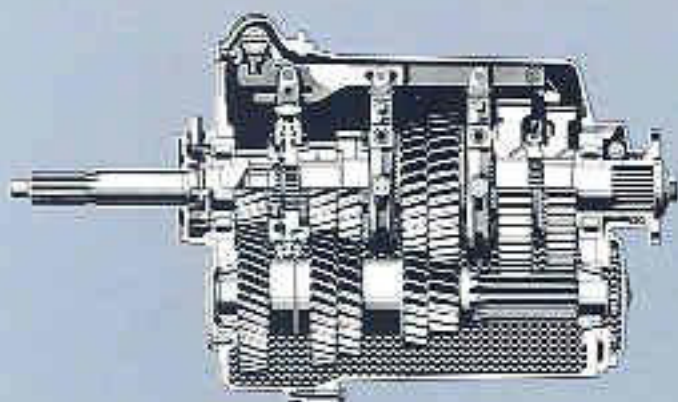
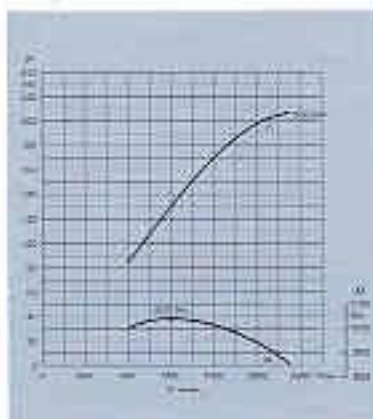


Engine. Output. Transmission.



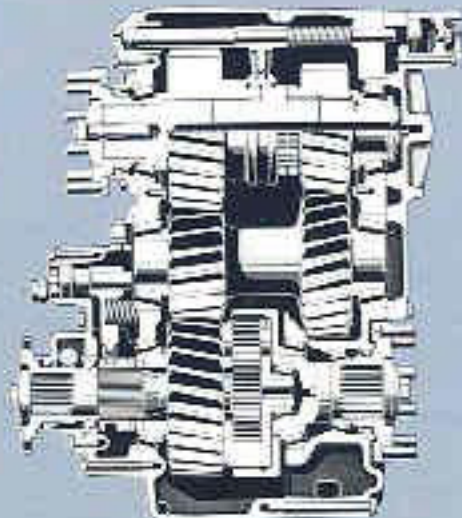
The OM 422 V8 N.A. engine – 206 kW (280 hp) – develops its maximum torque, 1040 Nm (106 mkg), at 1200/min – that is, in the low consumption speed

range. A torque rise of 22%, effective over 50% of the engine speed range, produces good accelerating power.



Model 2628 AS is equipped with synchromesh transmission G 4/110 as a standard feature. With 6 forward gears, reverse gear and the transfer case VG 1400-3W it is ideally suited to meet the specific requirements of construction site use.

An extra cross-country gear can be engaged, via the VG 1400 transfer case. A differential lock is installed to interlock the drive of front and rear axles. Torque distribution without differential lock is in the ratio of 1:3.2 between the front and 1st rear axle. The front axle is the drive axle. The cross-country gear and inter-axle differential lock are engaged through compressed-air valves on the engine tunnel.



The following demands made on all-wheel drive vehicles can be better met with the transfer case

- low minimum speed in first gear
- high climbing ability in first gear
- sufficient pulling power in top gear
- low engine speed on the road in top gear

