



Technical data

Mercedes-Benz
rigid vehicle
19 tonnes perm.
gross vehicle weight

1944



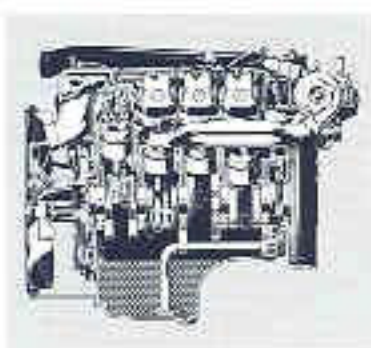
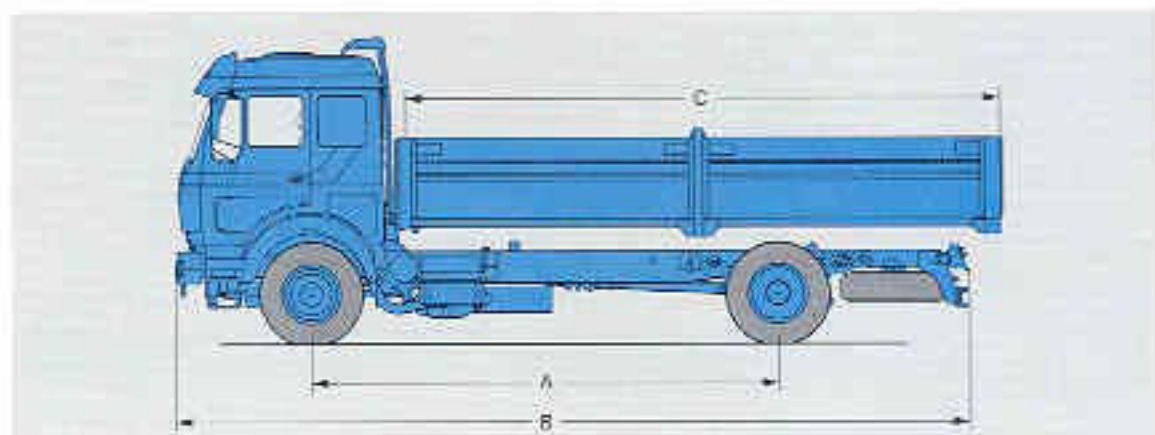
AUTOLIT



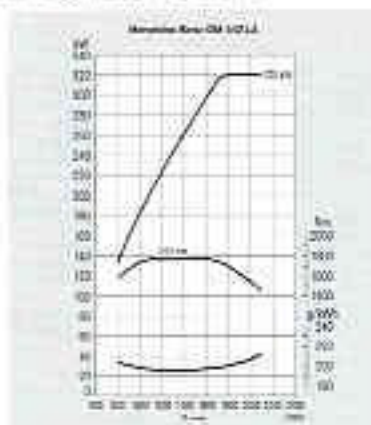
Automobile - Truck - Motorcycle 1900 to Present
ORIGINAL Sales Brochures, Manuals, Books, Posters,
Catalogs, and MUCH More. World's largest selection!

The 1944 with 320 kW (435 hp) engine.

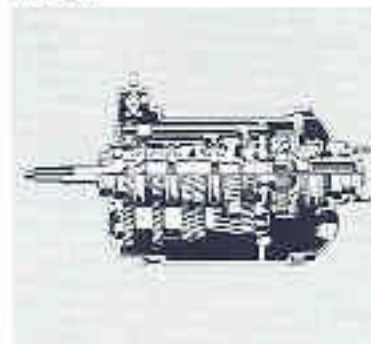
The 1944 model is used predominantly in international long-distance transport. The main features of this vehicle are its completely new major component concept and the newly-developed OM 442 LA V8 turbo-charged engine. This engine was designed so that max. torque would be reached at 1100-1600/min. The 1944 is equipped as standard with the electronic pneumatic gearshift system (LRS*).



Large-volume V8 diesel engine with displacement of 14613 cm³.



Max. torque of 1725 Nm at 1100-1600 RPM and max. output at 2100 RPM



16-speed synchromesh transmission ZF 16 S-190.

Measurements	Dropside with extra large cab	Dropside with extra large cab
A Wheelbase	4800 mm	4800 mm
B Chassis length to frame end	8390 mm	8660 mm
C Recommended body measurements	6100 × 2430 × 800 mm	6100 × 2430 × 800 mm
Turning circle	18.000 m	18.500 m

Chassis weights in kg	Dropside with extra large cab	Dropside with extra large cab
Chassis with oil, tools and spare wheel	7142	7195
Payload - gross	11855	11810
Permt. front axle load	6700	6700
Permt. rear axle load	13000	13000
Permt. GVW	19700	19700
Permt. GCW	38000	38000

Mercedes-Benz diesel engine		Chassis	
Type	Mercedes-Benz OM 442 LA	Clutch	Dual-plate dry clutch DF 20500
Cylinders	8	Synchr. gearbox	ZF 16 S-190/11 16 + Z75*
Bore/stroke	125/142 mm	Auto. ratio type	3.7/11 L7
Displacement	14613 cm ³	Wheels	8100 × 212.0
Output	320 kW (435 hp) at 2100/min	Tyres	13 R 22.5
Max. torque	1725 Nm (1603 lb-ft) at 1100-1600/min	Fuel tank	200 l
Starting system	24 V	Battery	2 × 12 V/175 Ah
Charging system	28 V/50 A	Consumer voltage	24 Volt

Max. climbing ability	83 %	Max. speed at max. engine speed	> 100 km/h
at a load up to 10000 kg above sea level in 1st gear at maximum torque and with a perm. GVW of 19 t		(limited to 112 km/h)	
Climbing ability with trailer	38 %		
with a perm. GCW of 58 t			

* LRS: electronic pneumatic gearshift system

The output given in kW and hp (1 hp = 746 W) is based on the data for steady-state operation at any of the gears assuming full throttle (wide-open-throttle). The data given in kg and t (1 t = 1000 kg) have been rounded off to the nearest unit.



The extra-large cab for more space on long-distance routes.

Mercedes-Benz cabs are the product of years of research and development. They are of the enclosed, all-steel type with a large number of active and passive safety features. Protection against corrosion and cavity sealing are standard. During the design phase, much thought was devoted to the driver. This is expressed by noise and thermal insulation, clearly laid-out instruments and an excellent view of the road due to the low bottom edge of the windscreen, for example.



The extra-large cab offers above-average comfort and plenty of space on international or intercontinental haulage routes. Both the driver's and the co-driver's seats have velvet covers and are multiply adjustable. The steering wheel can also be adjusted for height and angle as required.

Back-lighting ensures an optimum display of all the main instruments. The fan is finely adjustable. Even with external temperatures of -20 degrees the efficient heating system can warm the inside of the cab up to $+25$ degrees Celsius.



The cab can be tilted hydraulically. For running the engine during maintenance, there is an easily accessible starter button.

The design incorporates the latest ergonomic principles. An ideal place to work for non-long driving.



The engines.

The large-volume Mercedes-Benz V-engines are distinguished by high torque even at low engine speeds. This means that the maximum tractive power becomes available quickly, allowing the truck to be driven in the economical "green" engine speed range. The efficient braking effect of these engines raises safety on downhill stretches.



In the green sector, the potential of the engine can be exploited to the full while economy remains good.



The multiply adjustable seats offer a high standard of comfort no matter what the distance, no matter what the load.

The seats.

The body-contoured seats for both the driver and co-driver are adjustable for height, reach and backrest angle to suit individual preference. The excellent vibration-damping properties of the driver's seat meet the highest demands for active safety.

