

LK-LAK 1924

Mercedes-Benz



Heavy-duty tipper chassis
19 tons gross vehicle weight
38 tons gross combination weight
265 gr. HP (SAE)
240 net b.h.p. (DIN)
Mercedes-Benz direct injection engine



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LK and LAK 1924
265 gr. HP (SAE)
240 net b. h. p. (DIN)

Work on building sites is hard. Everything depends on smooth transport. When work stops, time schedules cannot be kept and prices go up. Mercedes-Benz tippers make for uninterrupted work on building sites. Material arrives on time, waste is disposed of according to plan.

The LK and LAK 1924 tippers are built to meet these tasks. Robust design, high ground clearance. In the case of the LAK all-wheel drive with secondary reduction — all this means that there will be no delays even on the most difficult ground. With the 265 gr. HP diesel engine OM 355, the heavy tippers have become even more powerful.

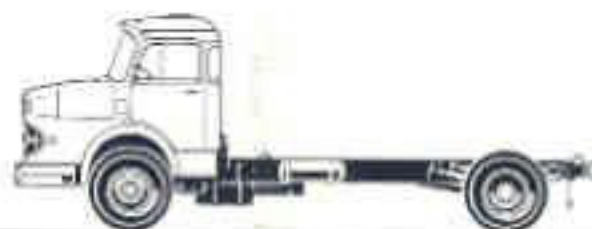
LK 1924, wheelbase 141.7 in./3,600 mm.
Tipper chassis
Payload and body allowance 29,210 lbs.
(13,290 kg.)



LK 1924, wheelbase 165.3 in./4,200 mm.
Tipper chassis
Payload and body allowance 28,720 lbs.
(13,030 kg.)



LK 1924, wheelbase 181.1 in./4,600 mm.
Tipper chassis
Payload and body allowance 28,640 lbs.
(12,990 kg.)



LAK 1924, wheelbase 165.3 in./4,200 mm.
Tipper chassis with all-wheel drive
Payload and body allowance 27,510 lbs.
(12,480 kg.)



LAK 1924, wheelbase 181.1 in./4,600 mm.
Tipper chassis with all-wheel drive
Payload and body allowance 27,435 lbs.
(12,440 kg.)





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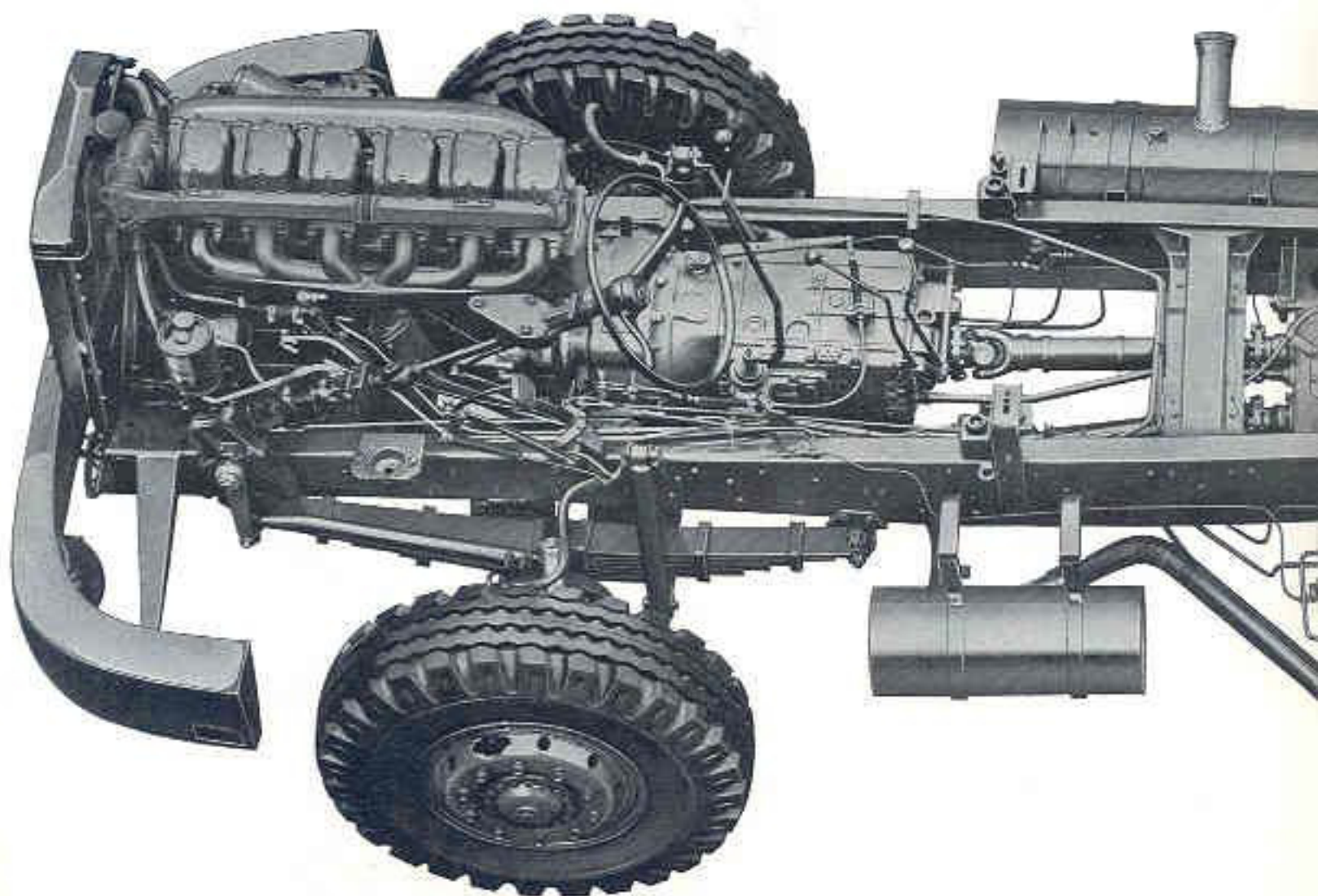
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Heavy-Duty Chassis Assembly

Extremely strong frames form the rigid backbone.
The side members are fish-belly shaped, their strongest points being where the highest stresses occur.
The chassis is designed for a gross vehicle weight of 19 tons.

The sturdy frame
Strong, channel-section side members with cross members riveted to them form a particularly rigid frame which is resistant to bending.
The front cross-member is equipped with a towing jaw.
The engine-gearbox unit is mounted on vibration-damping rubber pads.

Safe brakes
Three independent braking systems provide maximum safety — for the driver, the vehicle and the load.
Even under the most severe conditions the driver can fully rely on the brakes, so that the vehicle can be controlled safely in every situation.



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Service brake

Dual-circuit compressed-air brake acting on all wheels.

Two-line or single-line brake connection, or two-line connection with additional single-line connection.

Optional: Brake connection, front.

Parking brake

Spring-loaded brake acting on rear wheels, trailer brake connection.

When operating the parking brake, the spring actuator brake cylinders of the rear wheels are bled. The force of a pre-tensioned spring brakes the rear wheels.

Effortless steering

Mercedes-Benz power steering, ensuring light and positive steering at all times.

Turning circle diameter

LK	Wheelbase	ft./mm	111.7 (3.500)	115.3 (3.800)	121.5 (3.997)
	ft./mm	00.1 (0.1)	22.1 (0.6)	22.7 (0.7)	

LAK	Wheelbase	ft./mm	100.0 (3.000)	101.1 (3.000)
	ft./mm	00.1 (0.1)	22.1 (0.6)	22.3 (0.6)

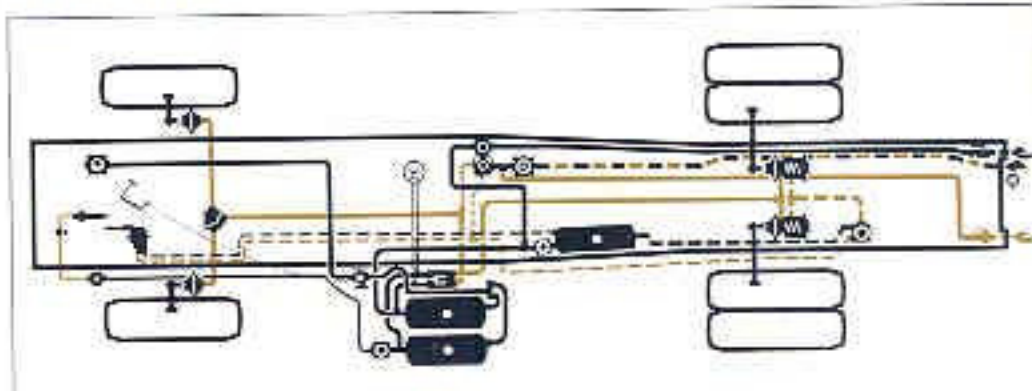
Exhaust brake

Compressed-air operated, with electrically-controlled actuation of the trailer brakes.



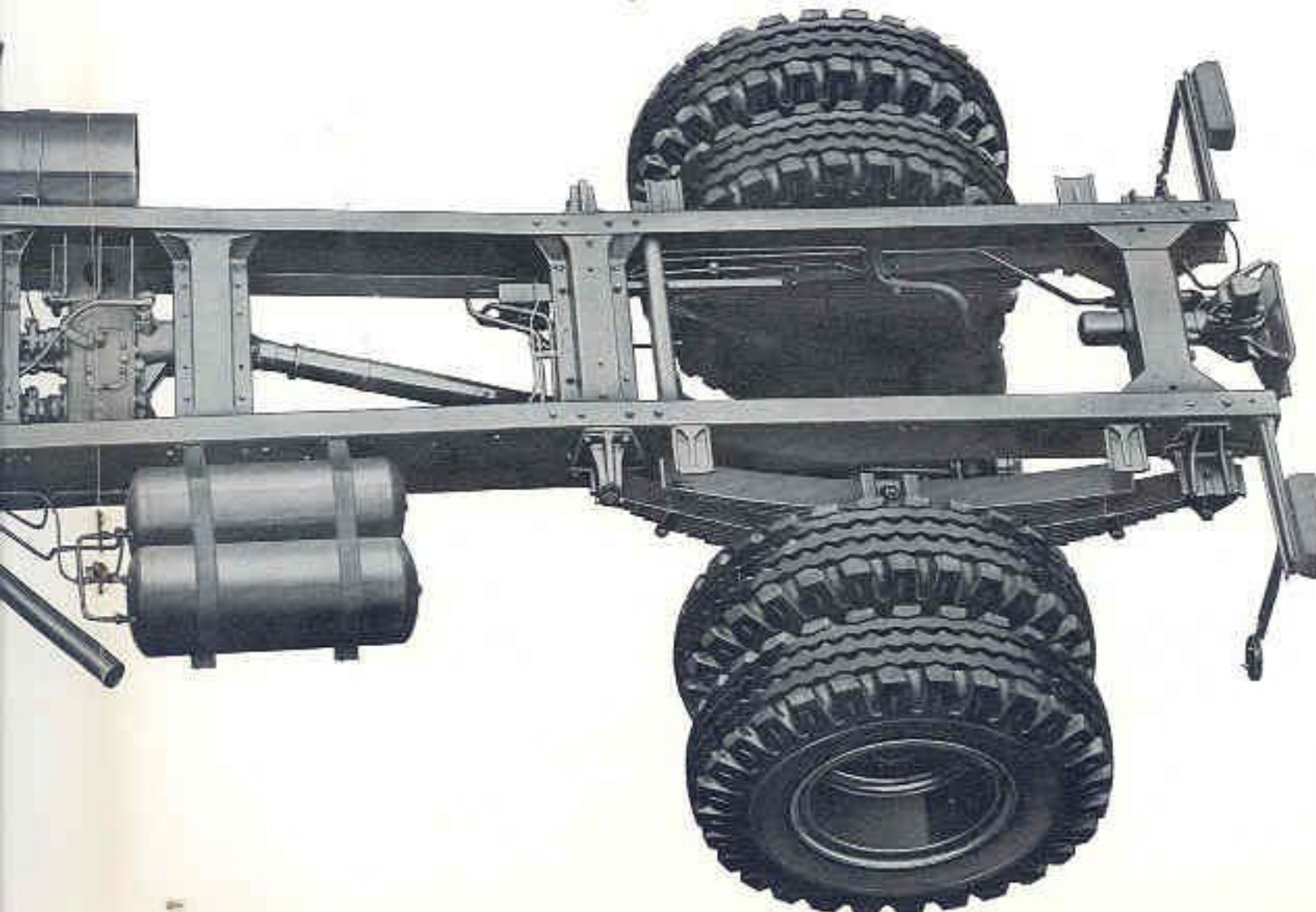
Effective net braking area

LK 589 sq. in. (3,805 cm²)
LAK 510 sq. in. (3,330 cm²)



Brake diagram

- Live air line
- Reservoir line, auxiliary components
- Reservoir line, spring-loaded brake
- Measuring lines
- Brake line, service brake
- Control line, service brake
- Brake line, spring-loaded brake
- Control line, spring-loaded brake
- Long-line trailer brake connection



Wider vision
More room
Greater comfort
Increased safety

Truck driving involves responsibility. With this fact in mind, our engineers continually work out new improvements to driving comfort and safety, as well as new ways to meet individual requirements. The high driver's cabs afford more space, light, and air. They also offer improved allround vision, upwards to the traffic lights or straight ahead covering the road and the traffic.

Our entire program now has a uniform arrangement of instruments, knobs and control lamp symbols. The control lamp symbols are in accordance with the suggestions made by the German Automotive Industry Standards Association.



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