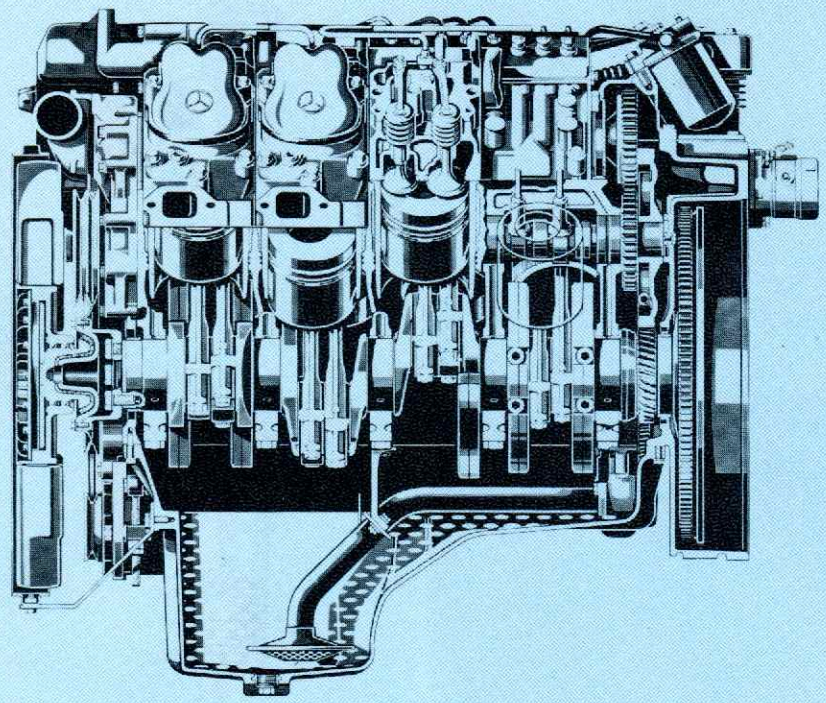
Mercedes-Benz

Engine OM 402

with G 3/90–8/9.29 gearbox



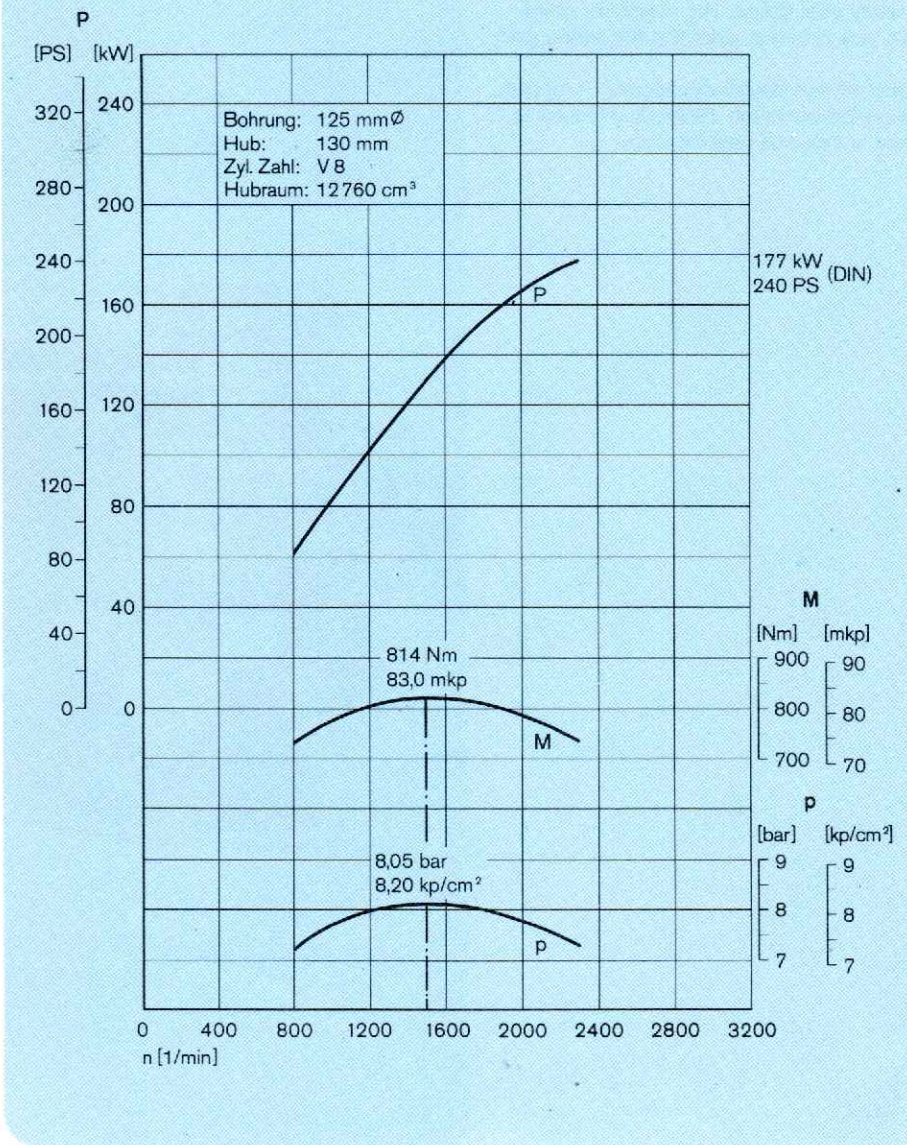
This Mercedes-Benz diesel V-engine from the 400 series is a practical example of the application of advanced engineering principles and new technologies. Special advantages of the V-arrangement of the cylinders: low weight and little space required. The sturdiness and economy of Mercedes-Benz V-engines come up to the most advanced standards in present-day engine technology.

Mercedes-Benz diesel V-engines of the 400 series are built on the unit construction principle, whereby 86 % of the components for all V-engines are identical and thus easily interchangeable. This facilitates spare parts storage, and repairs can be carried out more easily, more rapidly and thus at lower cost.

Derated engine speed of 2,300 rpm to make the best use of the fuel. This means that the engine operates only in economical speed ranges.

Short description

Robust V-engine with direct diesel injection. Complete combustion results in low fuel consumption – hence low operating costs. Smooth-running engine, little smoke emission – hence less environmental pollution. Water cooling ensures even thermal values.
Engine output: 240 DIN/hp, 177 kW
Max. torque: 83 mkp at 1,500 rpm or 814 Nm at 1,500/min



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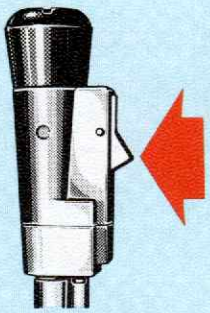

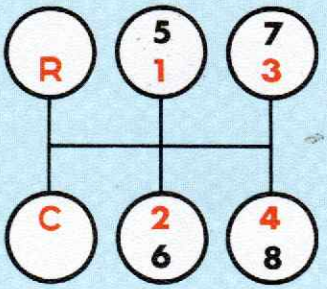

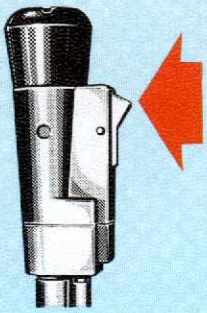

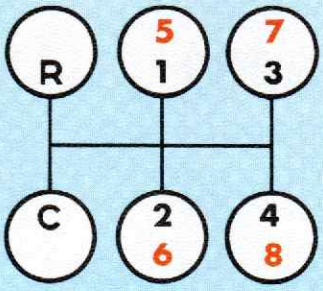

Eight-speed synchromesh gearbox with one reverse gear. The gearbox consists of a 4-speed basic gearbox and a rear-mounted planetary gear group. The electronic-pneumatic lock prevents selecting the wrong gear.

Driving without double-declutching – for fast, economical operation. Perfectly matched to engine speed and performance.