FULL POWER EFFICIENCY.

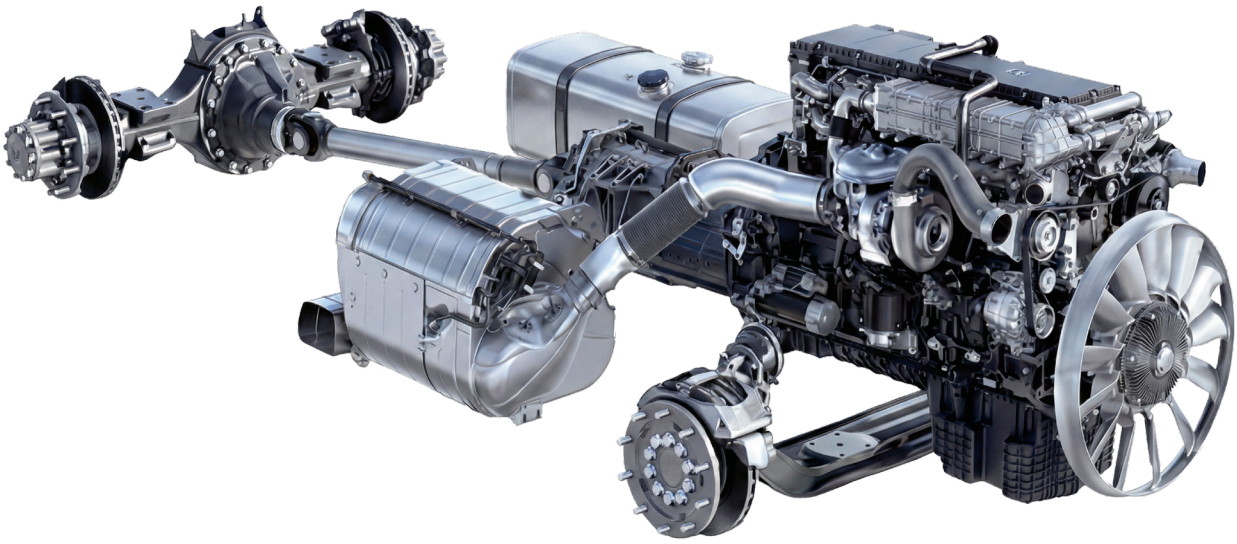
More performance, less consumption.
The new Powerliner engine generation with improved drivetrain offers higher efficiency as well as enhanced performance.

Mercedes-Benz
Trucks you can trust

LEGENDARY PERFORMANCE.

As early as the late 1980s, the Mercedes-Benz Powerliner based on the NG model series caused a sensation – with powerful motorisation, advanced transmission technology and a striking look.

The new Powerliner generation builds on this legend – and translates its strength into a modern, highly efficient powertrain. Engine, transmission and axles are precisely attuned to one another to combine efficiency, performance and driveability in a particularly harmonious way.



THE ENGINES.

The heart of the new Powerliner powertrain is the further-developed OM 470 and OM 471 engines.

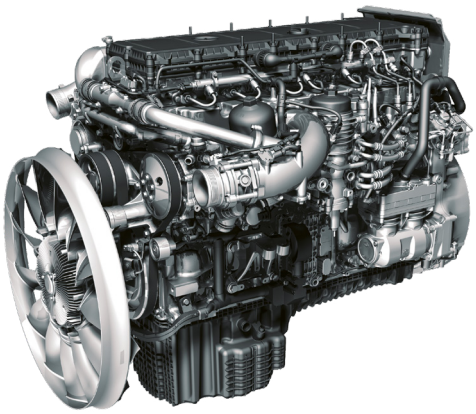
Optimised engine technology ensures noticeable improvements during driving: more efficiency, improved torque characteristics and power exactly when it's needed. The modern engine architecture is designed to achieve optimised combustion and reduced friction losses. A new injection system, in-house developed and tailor-made turbochargers and an optimised oil circuit, among other things, contribute here.

In operation, this means early power availability with more efficiency in daily use. Fuel consumption, for instance, is up to 4% lower.*

Together with the improved exhaust gas aftertreatment and new control and operating strategies, the powertrain is designed to comply with the strictest emissions standards such as Euro 6e throughout its entire service life. It is also certified for operation with CO_2-neutral EN 15940 XtL fuel.

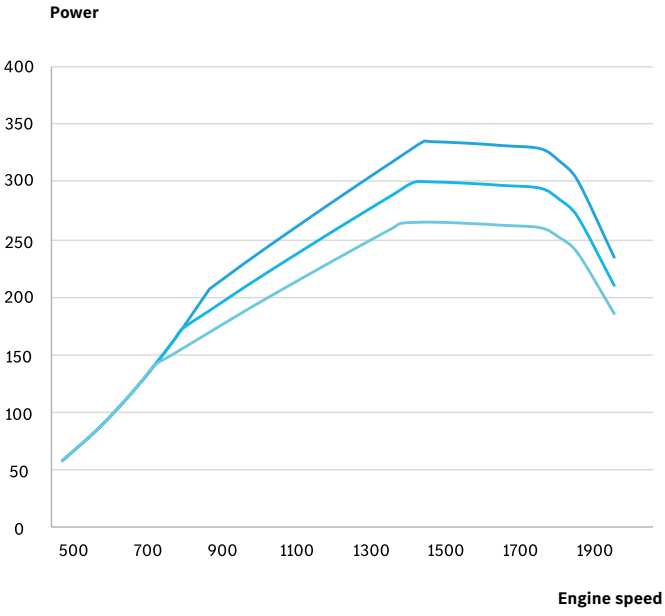
* Figure based on comparison of an Actros L 4x2 LS as type 1850, equipped with the new Powerliner engine generation, and a comparably equipped predecessor vehicle as type 1851 with a third-generation OM 471.

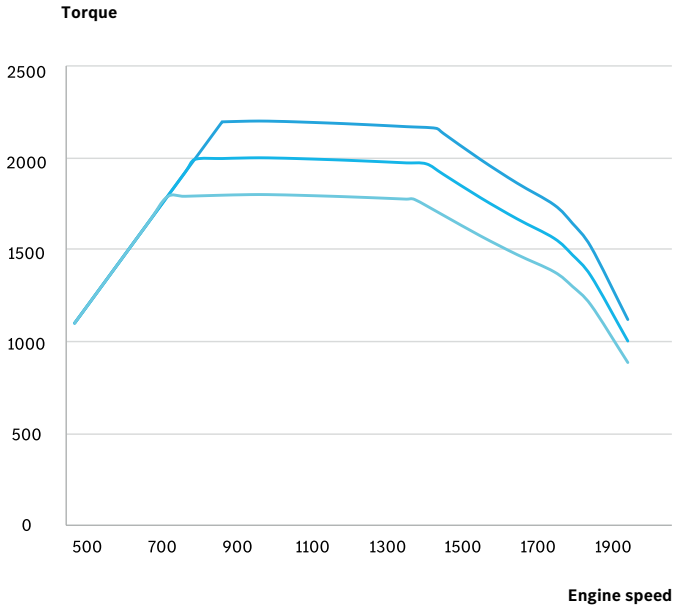
OM 470 10,7 l



The lightweight engine for heavy-duty short-radius distribution or weight-sensitive applications.

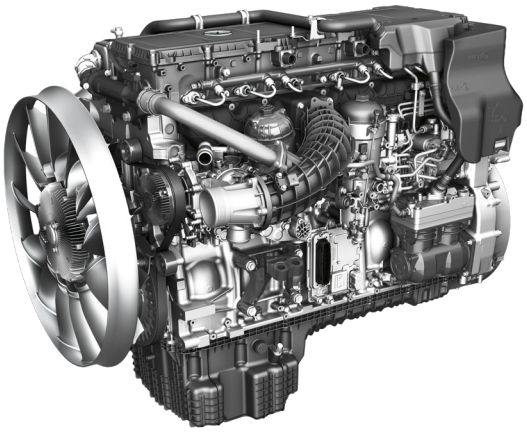
The three power ratings of the OM 470 reliably cover its areas of application and allow greater flexibility. Adapted torque characteristics support harmonious power delivery. The OM 470 stands for low weight, high economic efficiency and reliable performance.





max. power [kW/hp]	at [rpm]	max. torque [Nm]	at [rpm]
335/455	1500	2200	1100
300/408	1500	2000	1100
265/360	1500	1800	1100

OM 471 12,8 l

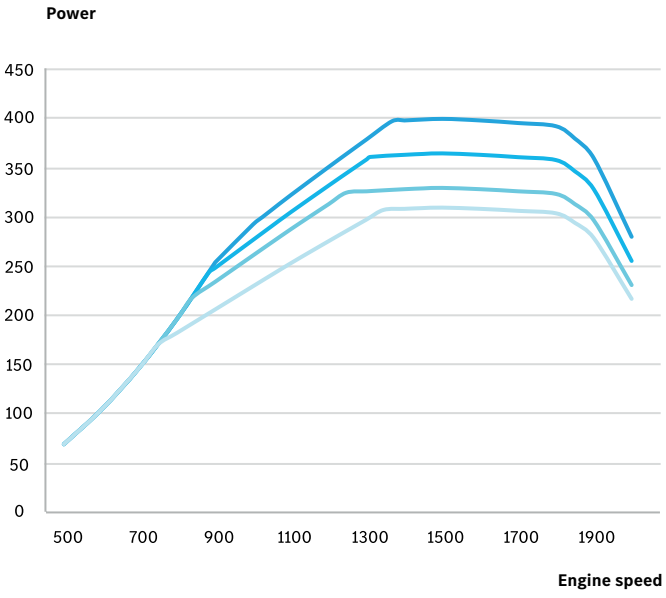


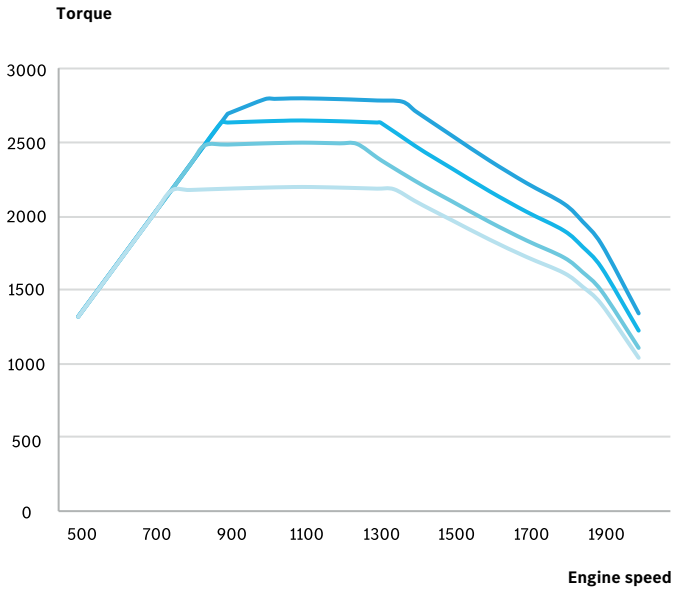
The engine for strong performance and high efficiency in long-distance haulage or heavy-duty construction traffic.

Four new power ratings expand the line-up for demanding application profiles, with more power available earlier. The spectrum ranges from 310 kW to the new top power rating of 400 kW – for operations that make no compromises.

An optimised power and torque curve ensures superior propulsion – even at low engine speeds. Engine design characteristics that consistently target downspeeding ability are key in achieving lower consumption and a reduced noise level.

The powerful engine brake provides additional support during deceleration and can relieve the service brake as well as reduce maintenance costs.





max. power [kW/hp]	at [rpm]	max. torque [Nm]	at [rpm]
400/550	1500	2800	1100
365/500	1500	2650	1100
330/449	1500	2500	1100
310/421	1500	2200	1100

THE TRANSMISSIONS.

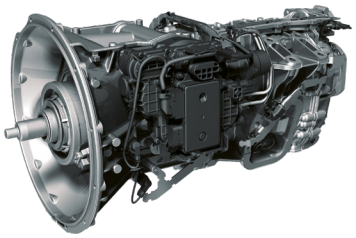
The transmission portfolio covers a multitude of applications – from light-duty use to demanding transport tasks.

Thanks to a wide gear ratio spread, the new G 291 | G 340 transmission platform in particular supports the downspeeding strategy and enables use of an extended rear axle ratio. The larger gear spread also offers finer grading in the lower speed range for more precise manoeuvring and better control. Faster shifting and improved manoeuvrability additionally ensure a superior driving experience.

Optimised oil quantities, a further-developed oil pump and reduced friction losses contribute to efficient operation. The robust design and higher torque capacity make the new transmissions an important component for efficiency, driveability and everyday practicality.

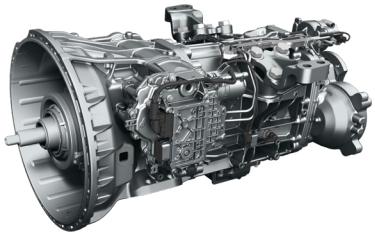
The G 211 and G 230 variants are designed as efficient lightweights for the OM 470 and moderate applications. The G 291 and G 340 are available for medium and heavy-duty operations. The G 280 completes the portfolio for particularly heavy-duty and special applications – especially with turbo retarder clutch or large engine power take-offs.

G 211-12
G 230-12



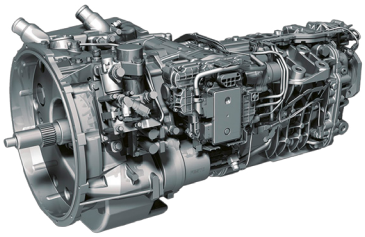
- 12-speed non-synchronised transmission with wide gear ratio spread
- Best fit for OM 470 and moderate applications
- Direct-drive configuration G 211-12; 14.93–1.0; R1: 14.93
- Overdrive configuration G 230-12; 11.67–0.78; R1: 11.67

G 291-12
G 340-12

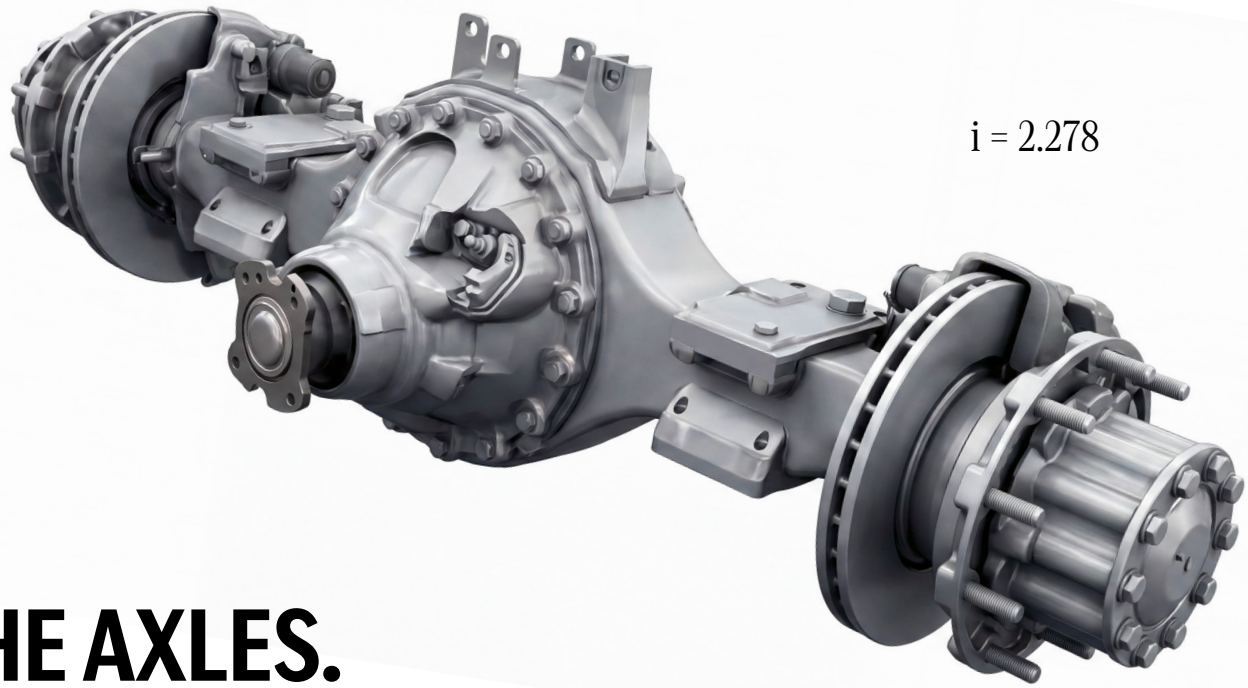


- 12-speed non-synchronised transmission with extra wide gear ratio spread
- Best fit for moderate and heavy applications
- Direct-drive configuration G 291-12; 16.46–1.0; R1: 18.25
- Overdrive configuration G 340-12; 12.79–0.78; R1: 14.18

G 280-16
G 280-16 TRC



- 16-speed non-synchronised transmission with extra wide gear ratio spread
- For special applications with turbo retarder clutch (TRC)
- Designed for particularly heavy applications and high output requirements thanks to engine-driven power take-offs
- Overdrive configuration G 280-16; 11.72–0.69; R1: 10.66



THE AXLES.

Longer rear axle ratios, together with the downspeeding strategy, support lower engine rpm at cruising speed.

This can lower consumption as well as noise levels and ensures more comfort on long journeys. For typical long-distance haulage operations, the long rear axle ratio i = 2.278 is the recommended choice, in combination with the OM 471 and G 291.

The time-tested and extensive axle portfolio enables an optimal configuration for almost any application profile – from short-radius distribution to heavy-duty long-distance haulage or construction traffic. The focus here is on ensuring a long service life, efficiency and smooth operation.

Simple maintenance and long oil change intervals further increase everyday practicality and support reliable economic efficiency in daily use.

Further information is available from your Mercedes-Benz Trucks sales representatives and at **www.mercedes-benz-trucks.com**

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