

More traction allround.

Unbounded use.

The range of possible uses for MAN HydroDrive® covers the whole market from long-haul transport through to special-purpose. Tippers, concrete mixers, concrete pumps, roll-off or set-down skip systems, gully emptiers or fire trucks, tankers or silos – MAN HydroDrive® is a convincing solution for any sector or application in which extra traction may be needed. The MAN selection presents the matching variety. MAN HydroDrive® vehicles range from two- through three- to four-axle solutions. And something else the user will appreciate – MAN HydroDrive® creates no restrictions in bodywork height, manoeuvrability, choice of cab or axles.

Efficiency from MAN HydroDrive®:

- intuitive operation that excludes error
- MAN HydroDrive® vehicle range of unmatched variety
- simultaneous use of camshaft drive possible (e.g. for concrete mixer)
- no adaptation of bodywork subframe necessary
- direct takeoff of power on drive shaft, thus no restriction of load limit of PTO
- highly cost-effective through consumption and payload benefits compared to conventional allwheel drive
- more traction through additionally driven front axle, forward and reverse
- engagement of hydrostatic front-axle drive also while moving
- no increased fuel consumption
- weight-saving of 400 kg compared to conventional allwheel
- greater flexibility in vehicle use
- improved driving safety, better tracking on unconsolidated ground, downhill too
- time and cost savings because vehicles no longer get stuck or have to be towed free
- more manoeuvrability than a mechanically driven front axle
- little maintenance (oil change every 120,000 km or two years)
- no influence on bodywork height, choice of cab and wheelbase



D 111.3473/E - mu 08121 · Printed in Germany

Text and illustrations non-binding.

We reserve the right to make changes in the course of technical progress.

CONSISTENTLY EFFICIENT 



MAN Truck & Bus AG

Postfach 50 06 20

D-80976 München

www.mantruckandbus.com

MAN HydroDrive®.

More traction. More flexibility. More safety.

Engineering the Future – since 1758.

MAN Truck & Bus

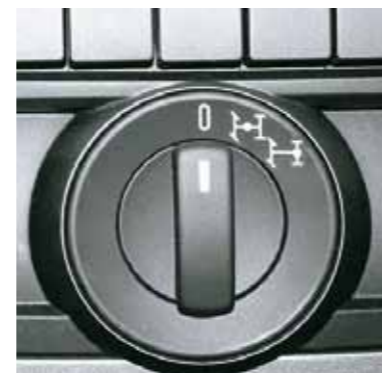


MAN Truck & Bus – A member of the MAN Group

A wonder of traction efficiency.

More traction but little extra weight. Lower fuel consumption and higher payload than on conventional allwheel vehicles. That's the kind of efficiency you get with unique MAN HydroDrive®. With the development of this engageable front-axle drive, MAN again demonstrates its innovative ability, creating a transport solution that sheds new light on mobility. The reliable, tried and tested MAN

HydroDrive® is ideal for situations in which extra traction is briefly needed on the front axle, such as when entering and leaving unsurfaced forest tracks and earth roads, on gradients and slippery surfaces. These are all cases where MAN HydroDrive®, already sold more than 5000 times, is the answer to producing more traction, proper propulsion both forward and reverse.



Rotary switch for MAN HydroDrive®



MAN HydroDrive®
Indication on central display



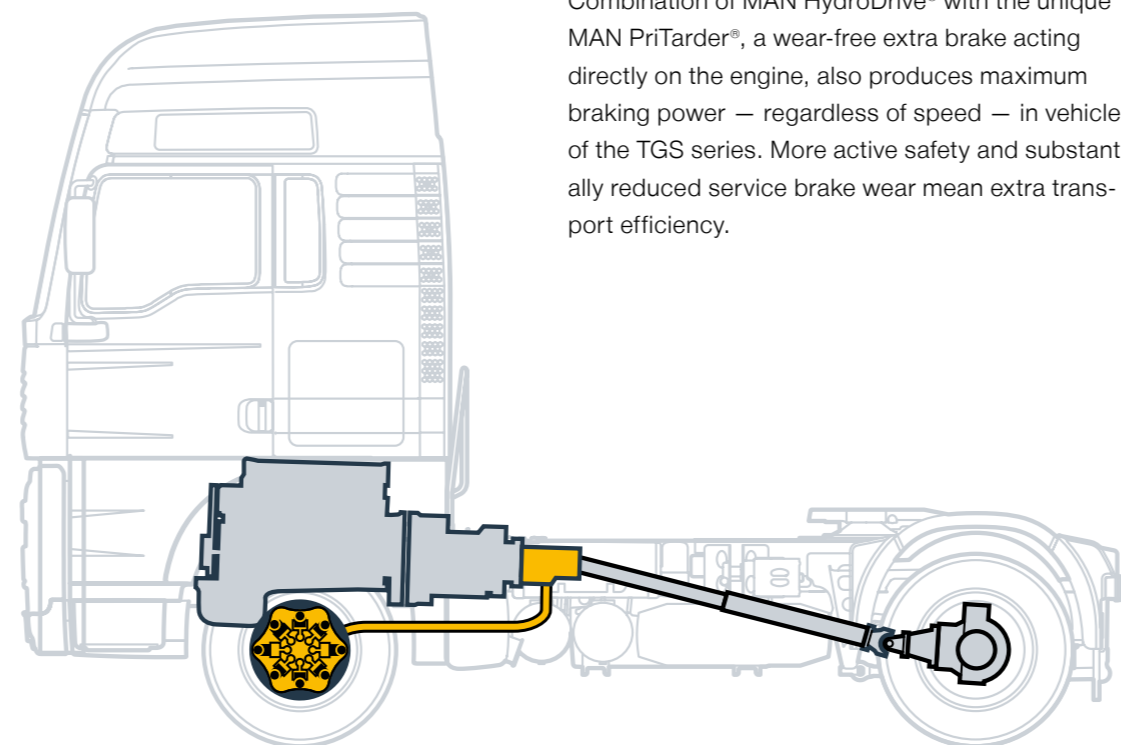
MAN HydroDrive® wheel hub motor

More traction at the turn of a switch.

You engage the MAN HydroDrive® by the rotary switch for the differential lock, and even while driving under load. From a speed of about 30 km/h upwards it cuts out automatically. If speed drops below 22 km/h it automatically cuts in again. A lamp on the central display lights up to tell the driver that the front-axle drive is activated. When you drive downhill with the HydroDrive® engaged, the sustained-action brake also acts on the front axle, thus stabilizing the vehicle.

Ruggedly engineered.

In MAN HydroDrive® a hydraulic pump is seated on the gearbox output shaft to feed the wheel hub motors on the front axle. When it comes to fuel consumption and wear and tear, this ingeniously simple, rugged and maintenance-friendly technology is comparable to conventional rear-wheel drive. And it creates a number of advantages over classic allwheel drive. A weight-saving of 400 kg, the transfer case is done away with, only the rear wheels are driven onroad, and the hydraulic pump and wheel motors produce no friction. In an allwheel drive, by contrast, the transmission elements keep turning even when the front-axle drive is disengaged. Combination of MAN HydroDrive® with the unique MAN PriTarder®, a wear-free extra brake acting directly on the engine, also produces maximum braking power — regardless of speed — in vehicles of the TGS series. More active safety and substantially reduced service brake wear mean extra transport efficiency.



Innovation prizes for MAN HydroDrive®



MAN HydroDrive® vehicle range.

4x4H BL, BLS



6x4H-2 BL, BLS
6x4H-4 BL



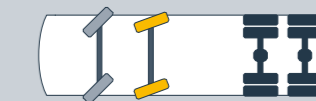
6x4H/4, BLS



6x6H BL, BLS



8x6H BL



8x4H-6 BL

