

MAN EFFICIENTLINE 3.

Fuel saver and profit maximiser.





EfficientLine 3

MAN

M AN 500

EFFICIENCY CHAMPIONS: MAN EFFICIENTLINE 3.

MAN EfficientLine 3 with new Euro 6 engines is better for the environment and uses less fuel than ever before. Diesel prices and staffing costs are the main factors affecting the Total Cost of Ownership (TCO). Competitive pressures are on the rise in the long-haul transport industry – you can put the brakes on costs now and adapt the TCO to your advantage. Our MAN EfficientLine 3 vehicles offer you two factors that will have a positive effect; your drivers are thrilled to climb into your MAN and they still save fuel on the job.

Whether you use the MAN EfficientLine 3 semitrailer tractor or a long-haul vehicle of your choice, you can leave cost pressures behind and reduce your CO₂ emissions with the MAN EfficientLine 3. Get on board!

www.truck.man

Some of the equipment illustrated in this brochure is not included in the series-production scope.

Both the vehicle's air conditioning system and refrigerator contain fluorinated greenhouse gases (R134a / GWP 1430 with up to 1.15 kg; 1.6445 t CO₂ accordingly).



EfficientLine 3

MAN

M AN 1102

ECONOMY PACKAGE.

The MAN EfficientLine 3 fuel-saving equipment comes as an attractive offer with excellent cost savings compared to a freely configured vehicle with the same selection of equipment.

You get the optimised MAN TGX EfficientLine 3 long-haul truck, version 4x2 with the high roof cab and MAN engines from the performance ratings of 265 kW (360 hp) up to 471 kW (640 hp) and with wheelbases ranging from 3,600 to 3,900 mm. With these vehicles you will save in more than one way. They are particularly efficient and the many features enhancing efficiency boost the resale value, and you also profit from the especially attractive pricing. A new addition is the efficient gearshift program for a further reduction of fuel consumption by increasing the use of higher gears (earlier upshift, later downshift).

EfficientLine 3 standard equipment

Engine	6-cylinder Common Rail Diesel
Power max.	265 kW / 360 hp, 309 kW / 420 hp, 338 kW / 460 hp, 368 kW / 500 hp, 397 kW / 540 hp, 427 kW / 580 hp, 471 kW / 640 hp
Pollutant emissions category	Euro 6
Wheelbase	3,600 and 3,900 mm
Cab	XLX, XXL
Transmission	MAN TipMatic® FLEET, MAN TipMatic® PROFI with retarder optional Efficient gearshift program (for 4x2 semitrailer tractors with MAN D26 engine)
Fuel tank	all available versions
Cruise control	MAN EfficientCruise® with MAN EfficientRoll
Rear axle	Hypoid HY-1350, differential lock (optional)
Brake system	MAN BrakeMatic® (electronic with ABS, ASR), disc brakes on front and rear axles, air dryer, heated
Driving dynamics control	ESP
Alternator	28 V three-phase alternator 120 A 3360 W Longlife Eco
Air management	Air Pressure Management (APM)
Daytime driving lights	ECE R87 compliant
Speed limiter	85 km/h ± 1 km/h

Optional equipment*

Aeropackage	Roof spoiler, side panels and flaps, chassis side trim left and right
Tyres (optional)	Brand tyres to optimise fuel consumption
Suspension	Leaf/air, air/air, ECAS air suspension
Compressed-air tank	Aluminium

* Further options such as vehicle colour, cooler box, parking heater, leather seats, etc. may be selected.
Sun visor in front of windscreen and compressed-air horns on cab may not be selected.

COST KILLER.

Consistent, continued development of the MAN fuel-saving star; fuel savings of 6.35% are possible!

With the MAN EfficientLine 2 MAN already set standards in fuel consumption. Through our consistent, continued development in the areas of efficiency and economy we have been able to achieve additional fuel savings of about 1.8 litres with measures such as optimisation of the driveline and introduction of the GPS-supported 'MAN EfficientCruise®' cruise control. MAN EfficientLine 3 stands out with a new driveline and new, improved MAN EfficientCruise® with MAN EfficientRoll.



EfficientLine 3

MAN

M-AN 1102

THERE IS MUCH MORE IN THERE FOR YOU.

Standard equipment for MAN TGX EfficientLine 3 Standard semitrailer tractor 4x2

✓ **Engine with 9 l to 15.2 l cubic capacity**

These engines have performance ratings of 265 kW (360 hp) to 471 kW (640 hp).

✓ **MAN TipMatic® with Retarder**

Whether you choose MAN TipMatic® FLEET working in automatic mode or MAN TipMatic® Profi, which can either be operated fully automatically or manually: the gear system has the optimum shifting strategy to drastically cut diesel consumption. Moreover, the MAN TipMatic® also provides two additional transmission functions: SmartShifting (faster gear shifting) and Idle Speed Driving (driving with the engine at idle speed).

✓ **Cruise control MAN EfficientCruise® with MAN EfficientRoll**

MAN EfficientCruise® uses 3D map data and the vehicle's GPS position to calculate the topography of the route and determine the required fuel injection. That means independent and proactive speed regulation before and on inclines and slopes. The driver can choose speed tolerances for optimal consumption values from four field-tested levels, of course making it easy to use for maximum driving comfort.

MAN EfficientRoll is designed for gently sloping motorways and principal roads. The MAN TipMatic® then automatically shifts into neutral and lets the vehicle roll, without the engine braking effect reducing the speed of the vehicle. The truck carries the momentum from gentle downhill sections into a following flat stretch or slight incline.

✓ **Air Pressure Management**

The unique APM from MAN automatically cuts out the compressor when it is not in use.

✓ **Aeropackage and chassis side trim**

The aeropackage and chassis side trim very much improve air resistance. Doing away with the sun visor and correct spoiler adjustment are extra means of saving fuel.

✓ **Energy tyres**

The material composition and structure of the energy tyres reduce deformation and thus the rolling resistance and fuel consumption.

✓ **Daytime driving lights**

MAN daytime driving lights require only about a quarter of the power of a halogen dipped beam.

✓ **Driving speed limiter to 85 km/h**

Setting the driving speed limiter to 85 km/h instead of 89 km/h reduces the rolling resistance by approx. 10%.

✓ **Door extension**

The door extension fitted as standard contributes to improved aerodynamics.

✓ **RIO Box**

Hardware for MAN DigitalServices offer

Add-on equipment for increased efficiency:

✓ **Tyre Pressure Monitor (TPM)**

Just 2 bar too little tyre pressure will increase consumption by 0.2 l over 100 km. TPM checks the correct air pressure and prevents 90% of all flats.

✓ **Idle shutdown**

Automatic shutdown after four minutes of idling saves fuel and CO₂.

✓ **Weight-reduced equipment**

Compressed-air tank, fuel tank and wheel rims of aluminium plus dispensing with sun visor and spare wheel all reduce vehicle weight substantially and raise payload by as much as 500 kg.

✓ **LED daytime driving lights**

Twin headlights with integrated LED daytime driving lights make the vehicle easier to see during the day. The continuous lighting not only enhances active safety, but also reduces maintenance costs due to high energy efficiency and a long service life.

✓ **LED rear lights**

These lights have a long service life and a low demand for power

YOUR OPTIONS FOR SAVING.

Start saving now – with further MAN EfficientLine packages for MAN TGX and TGS.

If you don't need our star fuel-saver with its full package of equipment, we have a number of other attractive offers. The MAN EfficientLine packages for various 4x2 and 6x2 models in the MAN TGX and TGS series with leaf/air and full air suspension are similarly right up your street in terms of fuel saving – also available as an Ultra variant for maximum cargo volume in semitrailers and bodies. When it comes to the engines, you can choose between the MAN D201 (235 / 265 kW or 320 / 360 hp), the new MAN D26 (309 / 338 / 368 kW or 420 / 460 / 500 hp) and new MAN D382 (397 / 427 / 471 kW or 540 / 580 / 640 hp).

Whichever package is the right one for you, you benefit in every case from a significant reduction in fuel consumption and an attractive discount. On top of that, the MAN EfficientLine 3 packages give you the freedom to configure the rest of your vehicle just as your individual requirements dictate. Equipping models with the Aero package leads to an additional discount. New: the MAN EfficientLine 3 package with MAN EfficientCruise® in connection with EfficientRoll.

The MAN EfficientLine 3 packages are available for the following vehicles:

- MAN TGX EfficientLine 3 4x2
- MAN TGX with XXL cab (also XLX) as 18.xxx 4x2 BLS, 18.xxx 4x2 LLS, 18.xxx 4x2 LLS-U
- MAN TGX with XLX cab (also XXL) as 26.xxx 6x2-2 BL, 26.xxx 6x2-2 LL, 26.xxx 6x2-2 LL-U
- MAN TGX with XLX cab (also XXL) as 26.xxx 6x2/4 BLS, 26.xxx 6x2/2 BLS, 24.xxx 6x2/2 BLS
- MAN TGS with LX cab as 18.xxx 4x2 BLS
- MAN TGS with LX cab as 26.xxx 6x2-2 BL, 26.xxx 6x2-2 LL, 26.xxx 6x2-2 LL-U

1 = 235 kW/320 hp only for MAN TGS

2 = MAN D38 only for MAN TGX

→ The MAN EfficientLine 3 packages

- MAN TipMatic® FLEET or PROF
- Efficient gearshift program*
- New alternator Longlife Eco
- 85 km/h speed limiter
- Daytime driving lights
- Aluminium air reservoirs (not available for all versions)
- Without spare wheel bracket
- Air Pressure Management
- MAN EfficientCruise® with EfficientRoll
- All variants are available with and without the Aero package

* For 4x2 semitrailer tractors with MAN D38 engine



GREAT VIEWS.

MAN vehicles can expect numerous equipment highlights to make the interior even more driver-friendly and optimised for vehicle operation.

The warm sand and graphite tones of the interior panelling, grained plastic surfaces, satin-chrome-plated door handles and the new seat covers have already been lending the cab a comfortable yet stylish atmosphere. The optional darker “Urban Concrete” colour will be available for the cockpit. It is a resistant colour scheme for all surfaces that may come into contact with dirty hands or work clothing during vehicle deployments in dirty conditions. The look of the cab interior can also be customised with three optional variants for the all-round trim strips (in brushed aluminium, Net-Black and wood).

The multi-function steering wheel forms the perfect interface between vehicle and driver: Various functions are integrated in the steering wheel in a clearly laid out and intuitive manner. Without taking your hands off the wheel you can call up vehicle information, receive telephone calls and adjust the radio settings. The driver can freely adjust the height and angle of the multi-function steering wheel, which is also available in leather.

A slimmer centre console and a coolbox/storage box, which can be completely stowed under the bed, create a more comfortable sitting and standing experience in the central area. And yet, the coolbox offers more space. The cup holders are more flexible, and the bunk control panel in the longer cabs with beds is more convenient. The lighting in the living space provides a cosier atmosphere thanks to goose neck lights.

The function-based switch layout and the colour display offer the driver a modern, ergonomic work place. In the MAN TGX, comfort and working conditions for the driver have been improved thanks to the reduction in interior noise by 1.5 dB compared to the previous series.

“Urban Concrete” colour







EVERYTHING INSIDE, AND ALL AT A GLANCE.

It is the driver who turns efficiency into motion. His performance at the wheel is the key to reliable transport and to a safe, cost-effective driving style. So it's vital that the workplace is well equipped for this.

In the redesigned MAN cockpit, everything is in the right place. The displays are clear, while frequently used switches and switches requiring quick access are close to the driver. To ensure intuitive operation, interrelated functions are grouped into switch groups, which are always in the same position in all vehicles and series. Having this standardised layout simplifies operation for drivers when switching vehicles. The dial switch for the MAN TipMatic® automated gearbox is now in the driver's field of view. The main panel of controls now houses all switches vital to operation and driving, while relevant functions for add-ons can be assigned to a second, optional panel of switches at a later date. Placing the panel of buttons for essential functions, such as interior lighting, above the driver provides easy access even while driving.

The focus will be on the instrumentation with new LCD display in four colours. This four-inch, high-resolution colour display supports legibility and orientation, and highlights features such as activated assistance systems and warning messages to enable quicker recognition. A digital speed display complements the analogue display. In addition, menus and controls boast colours coordinated with the MAN Media Truck infotainment system. The air-conditioning panel features displays with a white background, making them considerably easier to read thanks to the better contrast.

MAN infotainmentsystem.

MAN offers some improved features with the new infotainment system. The standard MAN Media Truck variant includes a 5" TFT display with touchscreen and SD card slot. On request, it's also available with a hands-free system, Bluetooth audio streaming, USB/AUX inputs, and DAB+ digital radio. In addition, the MAN Media Truck Advanced version offers a larger 7" display, voice control, a hands-free system for a telephone, video display via USB & SD, traffic information via radio, and a maximum of two camera interfaces. MAN Media Truck Navigation includes a specialist truck navigation system. Also, the versions MAN Media Truck Advanced and Navigation offer the function of "Twin Pairing", which enables two mobile phones to be connected to the system in parallel. Both variants can also be provided with a hook-up for a rear-view camera.

The "Mirror Link" function transfers the user interface of mobile devices to the infotainment system, enabling safe operation via the multi-function steering wheel and the system itself (connection via USB cable). The navigation screen also continuously shows maximum speed limitations (depending on whether the map data includes the respective information). The digital radio (DAB/DAB+) is easy to access and use via voice control.

OPTIMISING USE DOWN TO A TEE.

Whether in urban distribution transport or interurban deliveries, efficiency and productivity are the key to success in domestic and global competitive markets.

For over a century we have been manufacturers of trucks and buses and technological leaders in the transport business. Digitalisation now also offers this sector great new opportunities. With MAN DigitalServices, we ensure that you are able to use MAN services smarter and with even less complexity. Our offers aim to optimise functional and business processes and all have one thing in common: they make your transport business simpler and more efficient – and thus more profitable. The digitalisation of transport and logistics results in a significant increase of efficiency by networking the entire value chain. To achieve this we work closely with our partner RIO, the open, manufacturer-independent and cloud-based digital platform from TB Digital Services GmbH, a company of the TRATON GROUP. This makes it especially easy to start using digital services in the transport and logistics sector.

The prerequisite for using the digital services is that vehicles are equipped with the RIO Box. With MAN DigitalServices, you can optimise your vehicle analysis and performance, maintenance management and driver performance. After registration and vehicle registration, the RIO Box and the basic service MAN Essentials are automatically activated free of charge. This gives you access to a world of tailor-made, vehicle-related digital solutions from MAN exclusively for MAN vehicles, as well as logistics services from our partner RIO; you can use a range of services from one of the biggest specialists in road maps, traffic and weather information and you can rely on efficient driver management support that can be adapted to your needs. An extensive vehicle-related deployment analysis is included in the basic service. Continuous status messages from the vehicle to the RIO platform enable unique recommendations for action tailored to the individual customer as well as holistic vehicle monitoring.

The following services are included in the MAN Essentials basic service:

- Fleet monitoring: overview of all vehicle positions and traffic information on a modern map view.
- Transfer of important vehicle information: vehicle position in the form of the nearest address and GPS coordinates including direction of travel and current mileage.
- Transfer of important driver information: driver card ID and residual time at wheel; other data about the driver can be entered manually.
- Performance analysis (vehicle-based): transfer of average fuel consumption, speed, gross combination weight and route based on data analysed over the last ten days of use.





YOUR TRUCK IN THE BEST HANDS.

Maximum quality over the maximum possible vehicle service life and excellent availability – this is our promise to you.

With a wide-ranging portfolio of services, we offer 360° support that is both efficient and reliable. You can rest assured at all times: your MAN truck is in the best hands with us. MAN services offer everything your truck needs, meaning that your MAN trucks are always operated in the best possible conditions and that you can get the most out of your vehicles for even longer. With MAN ServiceContracts or MAN Mobile24, your mobility is our concern. That is true of our additional services too. MAN services, for instance, have tailored solutions on hand to optimise operating your vehicles, increase profitability and enhance efficiency. Whatever service you choose, you're always on the right road with MAN.

The quickest way to find out more: www.truck.man

All information on our products, services and other service topics such as MAN ServiceContracts, MAN Card, MAN ProfiDrive®, MAN Financial Services and MAN Mobile24, etc. can be found on our website www.truck.man – discover the MAN brand interactive and up close.

MAN ProfiDrive®

The MAN ProfiDrive® driver training programmes and corporate coaching modules bring you up to speed, making day-to-day driving safe. The support and training programmes on offer give you additional opportunities to optimise your commercial environment.

MAN | Financial Services

MAN Financial Services* help you to stay financially mobile. Moreover, our truck rental service makes it possible to be more flexible in responding to shortages or increased demand.

- **MAN Card**
Europe-wide non-cash payments
- **Financing**
Acquisition of property through flexible financing solutions
- **Insurance**
Insurance solutions for commercial vehicles
- **Leasing**
Budget-friendly leasing models
- **Rental**
Vehicle rental with a flexible contract term

* The services offered as part of the joint business relationship "MAN Financial Services" (financing, leasing and insurance products) vary from market to market depending on the country. They are provided or brokered by various subsidiaries of Volkswagen Financial Services AG.

MAN | Service



Higher quality, more time: new two-year warranty on MAN service and parts.

- **MAN Genuine Parts:** top quality, long service life and availability ensured
- **MAN Genuine Parts ecoline:** enjoy more savings and protect the environment in the process with reconditioned MAN Genuine Parts from MAN, the manufacturer or external service providers
- **MAN Genuine Accessories**
- **MAN Genuine coolant & lubricant:** MAN Genuine coolants and lubricants provide proven protection against wear and thus contribute to a longer service life and to a reduction in the total cost of ownership (TCO)
- **MAN Mobile24:** Europe-wide breakdown service for trucks
- **MAN ServiceContracts:** service agreements covering service and inspection tasks on the maintenance schedule. Depending on the add-on option, different modules such as contract management, driveline guarantee and wear-and-tear repairs can be included
- **MAN guarantee extensions:** guarantee extension for driveline and complete vehicle

MAN | TopUsed

- **Top used vehicles:** large selection of high-quality used vehicles of all truck types
- **Service promise:** top quality, top advisory service, top selection, top financing, top service
- **Top services:** including used vehicle guarantee, financing

MAN | Rental

MAN Rental offers you utmost flexibility, mobility and peace of mind – even if your order situation changes. MAN Rental is the profitable and practical choice

- **High-quality MAN vehicles and next-generation trailers**
- **A comprehensive MAN product and service portfolio**
- **Rental periods starting from 24 hours as well as fixed**
- **monthly rental instalments**
- **Flexible, demand-based rental and equipment options**
- **Options to boost flexibility and mobility**
- **Appropriate insurance cover**
- **A tailored all-round carefree package**

MAN Truck & Bus AG

Dachauer Straße 667

80995 München

www.truck.man

D111.3581/E · wü 09188 · Printed in Germany

Texts and illustrations are non-binding. We reserve the right to make modifications for reasons of technical progress. All specifications in this publication represent the status at the time of going to press.

MAN Truck & Bus – a member of the MAN Group