

## Specification D Mega Truck

11-03-2016

### Specification for chassis

<b>Variant Description</b>	2016 delivery TGX 18.440 4X2 LLS-U 2017/18 delivery TGX 18.460 4x2 LLS-U
<b>Basic vehicle number:</b>	L13XSG33-00000
<b>Type of vehicle:</b>	Semitrailer tractor, Ultra (<1000 mm fifth-wheel coupling height)
<b>Cab:</b>	XLX Cab with high roof
<b>Wheelbase:</b>	3600 mm
<b>Overhang:</b>	0800 mm
<b>Steering:</b>	L
<b>Front-axle load:</b>	7100 Kg
<b>Rear axle load:</b>	11500 Kg
<b>Perm. gross weight</b>	19000 Kg
<b>Weight ex works (incl. fuel 100%, driver and tools)</b>	8195 Kg

### Tyres

Front axle	2 * Continental 315/60R22,5 ECO HS3 XL
Rear axle	4 * Continental 295/60R22,5 HYB HD3 TL
Spare wheel	Without

### Colours

chassis	9011 graphite black RAL 9011 matt	W
wheels	9006 White aluminium acrylic RAL 9006	N
cabin	Vos Orange	N
aeropackage	Vos Orange	A
paint high roof	Vos Orange	A
mudguards behind cab	Vos Orange	A
synthetic bumper and air dam	Vos Orange	A
door extension and steps	Vos Orange	A

## Equipment Packages

151CSM EfficientLine 2-package with aero- package and MAN EfficientCruise

### Engine Cooling System Clutch

018D5S engine D2676LF46 - 460 hp / 345 kw EURO6 SCR-2100Nm  
 027ANS radiator and intercooler for up to 35 degrees ambient temperature  
 116AES visco fan  
 118EKS short mounting base (only engine)  
 118MAS EDC engine regulation  
 118TTM Top Torque (higher torque in gear 11+12)  
 119KAM Idle Shut Down  
 124ALS fuel filter  
 124ATM additional fuel filter heated with water trap  
 124EAS fuel filter heating  
 203EKM connection for external engine speed control (ZDR)  
 203EUM control module for external data exchange (KSM) with fleet management system interf. 2.0 (FMS) body funct.  
 205AVM 1 cyl. Air compressor 360 cc with Air Pressure Management (APM)  
 208AKS exhaust valve brake  
 210AAM flame starting system  
 211FFS single-plate clutch MFZ 430  
 280ECS fly mesh guard before radiator  
 33VACS engine capsule  
 345CVW Electronic speed limiter 85 km/h + 1 km/h tolerance  
 345EAS cruise control  
 345ELM MAN EfficientCruise 2  
 345EPW ECO-Level basis-adjustment for MAN EfficientCruise  
 542BAM low-noise certification for Austria and L plate  
 542BXM CEMT certification  
 542DAM international documentation (COC)  
 542FCS anti-noise package 80 dB (92/97EEC)

### Intake / Exhaust System

201ASS air intake raised with dry air filter  
 206KBS exhaust with bottom pipe on right side and outlet downwards

### Gearbox

021GFW Transmission software for fleet use (TipMatic FLEET)  
 022GMM gearbox ZF 12 AS 2131 DD MAN TipMatic with ZF intarder  
 121FTM gearbox functionality: EfficientRoll

### Front Axle / Front Springs / Front Axle Load

025MAS front axle VOK-08 dropped  
 026AXS front air suspension 7.5 t  
 534EPW permissible front axle load 7500 kg

### Rear Axle / Rear Springs / Rear Axle Load

028MNS rear springs air 11.5 t  
 034NKS hypoid rear axle HY-1350  
 037ACM with differential lock in rear axle  
 128ECM Pressure sensor for air spring bellows  
 227ACS rear axle breather upswept  
 258NAS ECAS air suspension  
 362AAS stabilizer for rear axle  
 365CCS 2nd ride height lowered; 25mm on RA and (in case of front air suspension)  
 15mm on FA  
 535EMW permissible rear axle load 11500 kg

### Transmission ratios

035HDW hypoid axle ratio  $i = 2.53$

### Rims

038GGS disc wheels 10 hole 9.00-22.5 on 1st FA TL  
 038PGS disc wheels 10-hole 9.00-22.5 on 1st RA TL  
 038XTS without spare wheel  
 245XXS without spare wheel holder

### Fuel Tanks

023OTM fuel tank, aluminium 480l right 480l left and 60l AdBlue  
 03KAAS fuel tank fitted  
 303AYM lockable tank cap, 2 pcs, with vent, for uniform locks  
 303CCM AdBlue-tank cap lockable, 1 pc.

### Steering

030EES steering wheel with height and inclination adjustment  
 256AFS steering wheel lock with immobiliser  
 257LXS multifunction steering wheel

### Frame

230ERS front underride guard  
 232HAS synthetic bumper with integrated airdam  
 236AFS cross member for trailer coupling  
 280FBS working platform with step and grab handle

### Trailer/Fifth-wheel Coupling

- 491GTM 5th-wheel coupling JOST JSK 42MK162- Z9J height 162 mm  
(inc. 22 mm plate) long handle, integrated lubrication  
Hight unloaded : 995 mm  
Hight loaded : 970 mm
- 493CHS kingpin to rear axle centre 585 mm
- 493YDW Fifth wheel pick-up plate (included with fifth wheel coupling)

### Brake System

- 032ABS MAN BrakeMatic (electronic brake system)
- 045CAM MAN EasyStart for TipMatic
- 119NBS emergency stopping signal (ESS)
- 258ETS emergency brake assistant 2 (EBA2)
- 258HAS anti-lock braking system (ABS)
- 258HBS anti-spin regulator (ASR)
- 258TAS electronic stability program (ESP)
- 259CAS disc brake for front axle
- 259CBS disc brake for rear axle
- 262AZS 2-line brake connection behind cab
- 370CRS air dryer, heated

### Cab exterior

- 050NES XLX cab with, high-roof, medium-high 2440mm wide, 2280mm long
- 052ACM storage compartment accessible from in- and outside, lid unlocked from inside
- 05NAES front panel unlockable from inside
- 068ASM door extension
- 197SLM Mirror trim cover painted in cab colour
- 233GDM Aeropackage existing of spoiler and lateral deflectors  
only left hand side flap movable
- 272FAS entry lighting for driver and co-driver
- 283FGM air sprung cab mounts
- 321ECS central locking
- 321EHS remote control unit for central locking
- 380ACS windscreen of laminated glass tinted
- 380CAS door windows tinted
- 381AAS cab rear wall without windows
- 385ATS side windows tinted behind B-post
- 386ASS mechanical sliding roof
- 392AHS kerb mirror, right
- 392CLS EU front mirror on co-driver's side
- 392CZS Electrically heated and adjustable rear view mirror, heated wide-angle mirror
- 392HAS mirror arms for body width 2500-2600 mm width 2500 mm
- 404APS spray reducer

### Cab interior

058BCS	seat coverings in high-comfort quality
058NRM	high-comfort driver's seat with air suspension, lumbar support, shoulder adjustment and heating
059NAS	co-driver's seat static, with longitudinal + seat back adjustment
080AFS	door interior panelling fabric
153EYM	air auxiliary heater EBERSPÄCHER D4S
153KCM	air conditioning system AC R134A with automatic temperature control without CFHC
159CXS	cab insulation NORDIC (against cold)
201FAS	fine dust and pollen filter
276ACW	armrests for driver's seat
310LHM	Interior lighting red/white in the cab roof
319AAM	reading lamps for driver and co-driver
319AZM	Courtesy lights
376FCM	2 bunks with storage space (with aluminium frame)
376HAS	mattress for lower bunk
376HNW	mattress for upper bunk
381CES	all-round curtain
381CMS	diagonal curtain
384CDS	safety belt display, driver's side
387AFS	electric door window lifters for driver and co-driver
388AHS	roller blind for windscreen, mechanical
388CCS	roller sunblind on driver's door
389ACS	handles left and right (on B-post)
389ADS	handles left and right (on A-post)
390AGS	Oddments tray in door armrest
390CUS	1 pull-out drawer in centre of dashboard
390EFM	2 waste paper bins between the seats
390SWM	partition panel on engine tunnel
390XXS	without oddment box
538AFS	carpeted engine tunnel

### Instruments

02AAES	instrument panel km/h 'High-Line'
042DFM	Digital tachograph, manufactured by SIEMENS
142ADM	preparation for data interface remote download for digital tachograph
142AFS	calibrate tachograph
260ECM	digital axle load display (ALM) in cab for air-sprung axles
325AAS	MAN Tronic (on-board computer)
325EXW	language 1 'Rumanian', 'Polisch' or 'Dutch' for display in instrument panel
325FCM	language 2 'English' for display in instrument panel

339FPS Display on the dashboard for operating data  
 343ANM acoustic warning system for engaged reverse gear at frame end  
 346CAS charging pressure indicator

### Lights

310EES halogen twin headlights H7 for right-hand traffic  
 310HBM Daytime running lights (in conformance with ECE R87)  
 310HUM Working headlight on right fender holder  
 318AAS marker lamps  
 318YXS without side marker lights

### Radio / Communication Systems

350ILM MAN TeleMatics 2 GPRS  
 350LSM antenna for GPS and carphone D/E-net, on cab roof  
 350LYM Antenna for MAN TeleMatics (for GPRS modem)  
 350NWS MAN Media Truck Advanced 12V radio with navigation preparation  
 350TJM hands-free function for mobile phone ; MFS and bluetooth capable  
 350XOS without navigation SD  
 351LES Lane-Guard-System IV (LGS IV)  
 351USM AUX in / USB at dashboard

### Electrical System

04WAAS spiral line between socket and semitrailer  
 324ACS two-tone horn,electric  
 325HBM provision for toll recording system "TollCollect"onboard unit (dashboard fitting)  
 326CPS trailer socket 24V 15-pin behind cab  
 326CRS trailer socket for ABS behind cab  
 326FZM socket in cab 12V 2-pole and 24V 2-pole  
 329CWS 2 batteries, 12V 225 Ah  
 329EZM battery box up to 225 Ah, compact  
 329HCS service note for batteries "maintenance-free"  
 331CYM alternator 28V 120A 3360 W Longlife Eco

### Other

194AVW operator's manual in Rumanian, Polisch or Dutch  
 373AES Antifreeze effective down to -37 degrees  
 400AHS mudflap front  
 401CYS synthetic mudguards, 3-part, with mud flaps  
 405ACS first-aid kit  
 405AKS hazard-warning sign  
 405ARS hazard-warning lamp  
 407XXS without jack

411AAS 1 chock  
417ACM wheel bolt covers front  
798WCW DIN/ISO 1726 not met and top edge of 5th wheel exceeded by 10 mm due to man. tolerances. No MAN liability.

**Operation and Country-specific Items**

600ACS Fittings for right-hand traffic

**Load variants and miscellaneous**

057XXW no model sign  
542NCS Vehicle certification N3, (gw > 12t)  
798LFS Height across cab unloaded up to 4000 mm

**Local Work**

PDI, tachograph calibration, floormat set in cabin, 100 litre diesel + 15 litre ad blue, delivery incl.  
driver instruction on site  
Permanent power wiring for Belgian Toll  
Brake line hoses (red/yellow ISO designed)  
Install electric relay for night heater usage  
Ladder + curtain pole + lade/pole clasp behind cabin  
Configure RPM limiter for the PTO  
Vos sign on front of the cabin  
Slide-in frame for ADR sign  
Vos Logistics stickering on cabin  
Fleet numbers and company logo's  
Install German OBU  
2 kg fire extinguisher  
Cable 1x15 to 2x7  
1 driver training  
Documentbag with fleetnumber which contains all necessary documents

**To be provided by Vos and installed by supplier**

Anti theft Protanktion fuel protection  
Protanktion deck plate protection  
Astrata Omniexpress boardcomputer