

TECHNICAL SPECIFICATION

Tank superstructure

for the safe transport of diesel fuel

Volume: approx. 20.000 ltr. +3% expansion

Top Quality Product

MADE IN GERMANY

100% Custom-made



That diesel fuel tanker is immediately available in white colour

Superstructure

The “*Special Low-Torsion body mounting system*” for tank bodies is recommendable due to their torsion-resistant design, in particular for “Off-Road” operation under rough cross-country conditions.

The elastic connection between the truck chassis and the sub-frame provides a torsion-absorbing function.

This arrangement absorbs any stresses passing from chassis to tank.

The sub-frame is mounted to the truck frame in a way to ensure equal load distribution.

Substructure **hot-dip galvanised**.

Otherwise mounted according to truck supplier’s “Assembling Instruction”.

Tank support

The tank itself is supported in tank saddles which are bolted on the reinforced longitudinal frame members with heavy duty rubber mountings in front.

Tank

Tank shape: Elliptical 20 000 ltr. + 3% expansion

Tank compartments: One (1)

Manufactured of thick high-grade steel –S235JRG2-, thickness 4 mm electrically welded throughout with accurately finished welding seams. Dished bulkheads on both sides and appropriate nos. of splash walls. The splash walls are mounted not less than 900 mm and not more than 1750 mm between each other according ADR.

Dome-pan

Overflow protection welded along the tank with drain pipe and shutoff cock.

The dome pan is designed as an over-roll protection in order to protect the dome armatures.

Walkway

Open mesh walkway on the right-hand side of the manhole cover, with rear mounted foldable access ladder.

One (1) collapsible handrail made of aluminum, operated manually, fixed as safety barrier, according UVV regulation along the dome-pan.

Operation of handrail manual, next to access ladder.

Top fittings per compartment

One (1) 500 mm dia. manhole cover with 250 mm dia. hinged lid, complete with one (1) dipstick, increments; 500 / 500 ltr.

Flame proofed safety vent valve and pneumatic operated tipping valve DN 65.

Discharge fittings per compartment

At the lowest point of each compartment one (1) pneumatic bottom valve DN 80 with filling/discharge pipe DN 80, mechanical valve and 2 ½" Cam-lock / 3" Guillemin coupler with dust cap, leads in to armature box.

Pump

One (1) self-sucking pump, installed at the vehicle's chassis, hydraulically driven by PTO of truck engine and can be operated pneumatically from the drivers cabin. The suction pipe is equipped with a suction filter. Suction and delivery connections are provided with hose coupling and cab.

Oil-cooler mounted with electric fan.

Hydraulic manifold with pressure inside armature box for operation of pump

Pump capacity: approx. 500 ltr./min

Metering system

On the right side of the vehicle in a cabinet the metering system 2" is mounted, consisting of:

Gas separator, meter rated for a flow of 35 -375 ltr. / min

4-digit resettable register

8-digit non-resettable totalizer.

Hose-reel

One (1) hose reel spring loaded, manual operated with 20 mtr. hose DN 32 and manual discharge nozzle, mounted next to armature box.

Armature box

One (1) on right hand side mounted, with discharge outlets, pneumatic operations, pump and metering system

One (1) light is mounted inside armature box which is operated by master-switch

Delivery options

- discharge by gravity, via 2 ½" Cam-lock / 3" Guillemin coupling
- discharge with pump, measured via 2 ½" Cam-lock / 3" Guillemin coupling
- discharge with pump, measured via hose reel
- filling with own pump
- filling with external pump
- filling from top

Hose and hose-carrier

Two (2) hose tubes, all mounted on one (1) side of the tank with two (2) hoses

Hose type: NW 65 with 2 ½" Cam-lock / 3" Guillemin coupling

Hose length: approx. as long as tank body

Bonding reel

Manual rewind reel with 15m of 2mm steel-cable and grounding clip

Standard accessories

Wheel chokes (provided by TRUCK supplier) mounted with brackets

PVC mudguards with rubber mud-flaps

One (1) fire extinguisher, 6 kg each

One (1) lockable tool box mounted on chassis

Paintwork and finishing

All steel parts are sand-blasted and prime-coated.

Tank body painted in one RAL colour.

Substructure **hot-dip galvanised** not painted.

Acceptance test

Leakage testing of tank 0,35 bar

Functional test

Documentation

One (1) spare part list (Paper and USB-Stick)

One (1) operating manual (Paper and USB-Stick)

All instruction plaques, lists, manuals and signs in English language (français sur demande)

Reserve the right to modify or change Specification at any time!

Delivery time (ex works): **2 units diesel tank trucks are immediately available**

Warranty: Starting from date of vehicle taking over, 12 months unconditional warranty on body and welded construction. The warranty is limited to the repair or replacement of broken parts due to construction faults and does not cover damage caused by improper use.

Please do not hesitate to contact us for further information and your [special requirements](#).

All trucks are custom-made in Germany.

For your general information

Our tank bodies can be built up to:

- 22.000 ltr. on 3-axles truck chassis
- 30.000 ltr. on 4-axles truck chassis
- 60.000 ltr. executed as tank trailer



MAN TRUCK, Model: **TGS 33.360 6X4 BB-WW** with diesel tank superstructure of 20.000 ltr.
That diesel fuel tanker is immediately available in white colour

For your general information

The diesel fuel tank superstructures can be mounted on truck chassis of the following manufactures:

- Mercedes-Benz
- MAN
- IVECO
- VOLVO
- SCANIA
- RENAULT
- ISUZU
- etc.

Main features of MAN truck

Model: TGS 33.360 6X4 BB-WW

Brand new MAN truck 6x4

Gross weight: **33000 kg** (7,5 / 13 / 13)

Steering: Left

Wheelbase 3900+1400 mm

Engine **D2066LF07** - 360 HP / 265 kW **EURO 2** - 1800 Nm Common-Rail

Gearbox ZF 16 S 252 OD

Fuel tank 400 l. right

Fuel filter and additional fuel filter with water trap

Rims: disc wheels 10 hole 9.00-22.5

Tires: **Michelin** 315/80 R 22,5 WORK **XZ / XD** TL 1

Cab with air conditioning system **AC** R134A with automatic temperature control

Cab rear wall without windows

Windscreen of laminated glass tinted

Door windows tinted

Signs of truck in French and Arabic (= Name plate)

Operator's manual in English

Display and instrument language: English

1 Fire extinguisher, 2 kg to 1996 safety regulations

Radio MAN BasicLine 24V

Extended radiator and intercooler over 35 degrees ambient temperature

EC tachograph electronic - 2 drivers with add. recorder for tankers (no EU-approval since 2006)

PTO NH/1C without flange f=0.91/1.09 right side, horizontal

[More details below](#)

Technical extent of delivery**Weights:**

| Customer | | | |
|-----------------|------------------------|---|----------------------|
| Code | Special Request | Designation | |
| 001AA | | steering arrangement, left | Gross weight: 33000 |
| 005NW | | wheelbase 3900+1400 mm | 1st front axle: 7500 |
| 006LY | | rear frame overhang 2050 mm | 2nd front axle: 0 |
| 018SJ | | engine D2066LF07 - 360 hp / 265 kW EURO2 - 1800 Nm Common-Rail | 3rd front axle: 0 |
| 02AAB | | instrument panel kmh 'Base-Line' | Leading axle: 0 |
| 022GE | | gearbox ZF 16 S 252 OD | 1st rear axle: 13000 |
| 023EH | | fuel tank 400l right | 2nd rear axle: 13000 |
| 025MK | | front axle VO-09 straight | Trailing axle: 0 |
| 026EC | | front springs parabolic 8.0 t | |
| 027AX | | extended radiator and intercooler over 35 degrees ambient temperature | |
| 028EC | | rear springs parabolic 13 t | |
| 028PA | | Anbau Doppelachse | |
| 029GC | | propshafts for increased load profile | |
| 03KAA | | fuel tank fitted | |
| 030EE | | steering wheel with height and inclination adjustment | |
| 032AB | | MAN BrakeMatic (electronic brake system) | |
| 034EC | | brake shoe width for rear axle 220 mm | |
| 034MH | | hub-reduction rear axle HPD-1382/ HP-1352 | |
| 035KL | | planetary axle ratio $i = 4.00$ | |
| 037AC | | with differential lock in rear axle | |
| 038GG | | disc wheels 10 hole 9.00-22.5 on 1st FA TL | |
| 038PG | | disc wheels 10-hole 9.00-22.5 on 1st RA TL | |
| 038RG | | disc wheels 10-hole 9.00-22.5 on 2nd RA TL | |
| 038TG | | disc wheel 10-hole 9.00-22.5 as spare wheel TL | |
| 042FP | | EC tachograph electronic - 2 drivers with add. recorder for tankers (no EU-approval since 2006) | |
| 05NAE | | front panel unlockable from inside | |
| 050NN | | M cab 2240mm wide, 1880mm long | |
| 052XA | | without stowage boxes | |
| 058BA | | seat coverings in standard quality | |
| 058NE | | driver's seat static, longitudinal, seat back and height adjustment | |
| 059NA | | co-driver's seat static, with longitudinal + seat back adjustment | |
| 080AE | | door interior panelling washable | |
| 116AE | | visco fan | |
| 118MA | | EDC engine regulation | |
| 119EH | | general parameterisation for power take-offs | |
| 122QH | | PTO NH/1C without flange f=0.91/1.09 right side, horizontal | |
| 123AC | | guard plate for 1 tank | |

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| 123CC | strainer for fuel tank |
| 124AL | fuel filter |
| 124AZ | additional fuel filter with water trap |
| 153KC | air conditioning system AC R134A with automatic temperature control without CFHC |
| 159XS | without cab insulation NORDIC (against cold) for M, L and LX cab |
| 194AB | operator's manual in English |
| 194EC | additional operator's manual in FRENCH |
| 201AR | air intake upswept with dry air filter / precleaner |
| 201EM | air filter element with safety element for heavy-duty operation |
| 201FA | fine dust and pollen filter |
| 203EK | connection for external engine speed control (ZDR) |
| 205AN | air compressor 1-cylinder, 360 ccm |
| 206ET | exhaust on lh side with tail pipe towards rear |
| 208AK | exhaust valve brake |
| 210XX | without flame starting system/ additional starting aid device |
| 211FF | single-plate clutch MFZ 430 |
| 227AC | rear axle breather upswept |
| 230AH | rear underride guard, round |
| 230XW | without front underride guard |
| 230YX | without lateral underride guard |
| 233EM | 3-part steel bumper |
| 236AF | cross member for trailer coupling |
| 241AC | without platform mounting brackets |
| 245AE | spare-wheel holder on left side |
| 256AA | steering wheel lock |
| 258HA | anti-lock braking system (ABS) |
| 259CC | drum brake for front axle |
| 259CE | drum brake for rear axle |
| 262AC | brake connection 2-line |
| 272FA | entry lighting for driver and co-driver |
| 280AC | wiring for tank truck to ADR |
| 280BB | equipment for hazardous goods to ADR, type FL (AT) |
| 280BE | equipment for dangerous goods to ADR, type OX |
| 280EU | stoneguard grille in front of radiator |

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| 281AB | medium-height design |
| 282CH | fire apron for tanker |
| 283FB | cab mounts on coil springs for 'M' cab |
| 303AA | tank cap lockable - 1 cap w/o vent (not licensable according to ECE-R34) |
| 310EE | halogen twin headlights H7 for right-hand traffic |
| 311AE | protective grille for taillamps |
| 318AA | marker lamps |
| 318AK | side marker lights |
| 319AR | reading lamp for driver |
| 321EC | central locking |
| 324AC | two-tone horn,electric |
| 325AA | MAN Tronic (on-board computer) |
| 325EE | language 1 'French' for display in instrument panel |
| 325FC | language 2 'English' for display in instrument panel |
| 326CK | trailer socket for anti-skid system on frame end |
| 326MO | tanker socket 24V 15-pole at frame end |
| 327CA | battery emergency cutout |
| 329CS | batteries 12V 155Ah, 2 pcs |
| 329ER | battery box up to 175Ah |
| 329HC | service note for batteries "maintenance-free" |
| 331AB | alternator Basic |
| 339FP | Display on the dashboard for operating data |
| 345AU | Speed limiter, electronic 89 km/h + 1 km/h tolerance |
| 345EA | cruise control |
| 346CA | charging pressure indicator |
| 350NL | radio MAN BasicLine 24V |
| 352FD | preparation for installation of flashing lights |
| 362AH | stabilizer on both rear axles |

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| 363AA | stabilizer for front axle |
| 370CM | air dryer |
| 373AE | Antifreeze effective down to -35 degrees |
| 376XH | without mattress for lower bunk |
| 376XK | without mattress for upper bunk |
| 376XL | No bunks for 'M', 'C', 'DK' cabs |
| 380AC | windscreen of laminated glass tinted |
| 380CA | door windows tinted |
| 381AA | cab rear wall without windows |
| 381XC | without curtain before bunks |
| 381YA | without all-round curtain for C/M cab |
| 385AT | side windows tinted behind B-post |
| 386AS | mechanical sliding roof |
| 387AF | electric door window lifters for driver and co-driver |
| 388AH | roller blind for windscreen, mechanical |
| 388AK | sun shade in front of windscreen |
| 389AC | handles left and right (on B-post) |
| 389AD | handles left and right (on A-post) |
| 390XN | without waste paper bins between theseats |
| 390XX | without oddment box |
| 392AH | kerb mirror, right |
| 392CZ | Electrically heated and adjustable rear view mirror, heated wide-angle mirror |

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| 392HA | mirror arms for body width 2500-2600 mm width 2500 mm |
| 392XJ | Without front mirror on co-driver's side/in the middle |
| 394FE | 1 French fire extinguisher, 2 kg to 1996 safety regulations |
| 400AH | mudflap front |
| 401AS | mudguard cover for transfer |
| 401CQ | Plastic mudguard, rear (half shell; without rain spray inhibitor) |
| 404AP | spray reducer |
| 405AC | first-aid kit |
| 405AK | hazard-warning sign |
| 405CP | 20 m tyre inflator hose with pressure gauge |
| 405FF | 1 warning flasher loose for TW |
| 407AA | jack 25 t |
| 411AA | 1 chock |
| 523AE | signs in French |
| 523AM | signs additionally in Arabic |
| 538AE | plastic floor and engine tunnel covering |
| 542FX | anti-noise measures are not in accordance with EU standard |
| 542HS | aprons in wheel houses to prevent soiling of the engine |
| 600AC | Fittings for right-hand traffic |
| 798LF | Height across cab unloaded up to 4000 mm |
| LQW01 | chassis in water-based paint |
| LVS01 | chassis graphite black RAL 9011 matt |
| LVS02 | wheels White aluminium acrylic RAL 9006 |
| LVS03 | cab Pure white RAL 9010 |
| 80001 | 2 Michelin 315/80R22,5 WORK XZ TL 1 |
| 90001 | 4 Michelin 315/80R22,5 WORK XD TL 1 |
| 90002 | 4 Michelin 315/80R22,5 WORK XD TL 1 |
| 90004 | 1 Michelin 315/80R22,5 WORK XZ TL 1 |

The prescribed data corresponds to current manufacturing regulations at the time of expression.
Subject to change.

Please do not hesitate to contact us for further information and your **special requirements**.

All trucks are custom-made.

Errors and omissions excepted (E&OE)