

Vehicle description for: TGS 33.480 6x4 BB SA



Illustration can deviate

Vehicle standards

Product family	The new MAN Truck Generation
Variant designation	TGS 33.480 6x4 BB SA
Vehicle type	Vehicle type Semitrailer tractor (SA)
Cab	TN cab: the flexible one (narrow, long, normal height)
Main wheel distance	3600 mm
Overhang	700 mm
Steering configuration	Left

Vertical Load

	National Registration	Technical Load
Gross weight	33,000 kg	33,000 kg
Front axle	8,000 kg	8,000 kg
Rear axle	13,000 kg	13,000 kg
Rear axle 2	13,000 kg	13,000 kg

Horizontal Load

	National Registration	Technical Load
Gross train weight	44,000 kg	44,000 kg

The printed images in this offer are for explanatory purposes and may differ from the actual configuration.
For further product information on the tire selection "selectively", please contact our sales staff.

Vehicle characteristics

Basic characteristics

- Semitrailer tractor
- Chassis class, heavy
- Destination: Algeria (DZ)
- Merchant tonnage 33 t
- Basic layout of vehicle, all-round
- Frame type, medium-high
- Vehicle type Semitrailer tractor (SA)
- Left-hand-drive
- Right-hand traffic
- Vehicle documentation in French
- Labelling in French
- Cab position 640 mm (distance from frame lower edge to cab floor)

Registration

- Vehicle approval, N3 class
- Maximum speed limiter, 85 km/h, tolerance +1 km/h, electronic, engine speed regulation
- Maximum vehicle noise level, 80 dB in acc. with UN/ECE-R 51.02
- Height over cab, unloaded up to 4,000 mm
- Maximum vehicle width of 2,500 mm checked with respect to relevant cab components
- Maximum vehicle width of 2,500 mm checked with respect to relevant chassis components
- Maximum vehicle width of 2,500 mm checked with respect to relevant axles, rims, tyres, wheel trim

Documents

- Supplier declaration
- Without registration documentation, national

Application scope / transport tasks

- Vehicle version municipal/public service deployment
- Long-haul transport, standard
- 042 SZM Heavy-duty transport
- Temperature range, vehicle deployment, warm country
- Case hardness of final drive Distribution

Horizontal and vertical loads

- 33,000 kg permitted gross load, vertical, nat. appr.
- 33,000 kg permitted gross load, vertical, tech.
- 33,000 kg permitted gross load, vertical, tech. Plus
- 8,000 kg permitted load on front axle, nat. appr.
- 8,000 kg permitted load on front axle, tech.
- 8,000 kg permitted load on front axle, tech. Plus
- 13,000 kg permitted load on rear axle NatZu
- 13,000 kg permitted load on rear axle, tech.

- 13,000 kg permitted load on rear axle, tech. Plus
- 13,000 kg permitted load on 2nd rear axle NatZu
- 13,000 kg permitted load on 2nd rear axle, tech.
- 13,000 kg permitted load on 2nd rear axle, tech. Plus
- 44,000 kg permitted gross train weight, national registration
- 44,000 kg permissible gross train weight TechH.
- 44,000,kg permitted gross train weight, Tech. Plus
- 0kN D value

Notification texts

- Notice: Reduced front overhang angle due to long radiator

Chassis

Vehicle frame (wheelbase, overhang, ...)

- Main wheelbase, 3,600 mm
- Wheelbase between rear axles, 1,400 mm
- Frame overhang, rear, 700 mm
- Main frame side member thickness, 9.5 mm
- Vehicle rear, angled end of frame
- Semitrailer auxiliary frame
- Top coating, chassis

Exhaust system, air intake

- Exhaust silencer, side, left
- Exhaust tailpipe, towards rear

Battery cases, batteries, alternator

- Battery, 12 V, 175 Ah, 2 units, maintenance free
- Alternator, Basic
- Medium battery box, 2 batteries
- Battery box, left
- Main battery switch, mechanical
- Fuses

Tanks and fuel line

- Fuel tank capacity 590 l, right
- Fuel tank, right, aluminium
- Tank cross-section, right, medium
- Fuel tank cap, lockable, ventilated, for master key system

Frame attachments

- Without underride protection, front

- Working platform, with step

- Without underride protection, side
- Spare wheel hoist on left side, in front of rear axle
- Hoist for spare wheel
- Final cross member, with hole pattern 160 x 100 mm
- Without underride protection, rear
- Wheel chock, 1 unit, with retaining device

Pneumatic brakes, compressed-air generation, brake system

- Air compressor, 1-cylinder, 360 ccm
- Compressed-air treatment, pneumatically controlled
- Steel compressed-air tank
- Electronic brake system (EBS)
- Anti-lock braking system (ABS)
- Full brake assistant
- MAN EVB high-performance engine brake
- Drum brakes on front axle
- Drum brakes on rear axle
- Drum brakes on 2nd rear axle
- Parking brake control, next to driver's seat
- Parking brake with spring-type actuator on rear axles (incl. leading axle/ trailing axle)
- Anti-jackknifing brake, manual, can be operated next to driver's seat
- Brake lining thickness display, with brake lining wear warning
- Harmonisation of brake lining wear

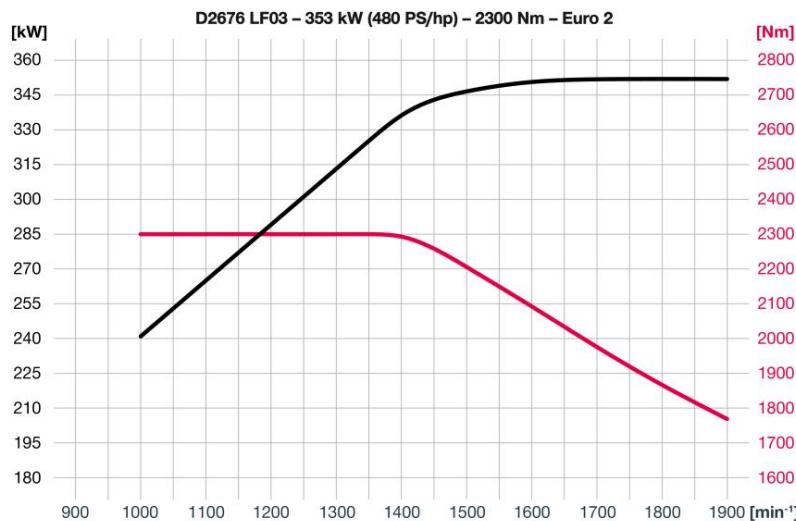
Lights and acoustic signals on the chassis (rear lights, ...)

- Rear lights
- Emergency braking signal, hazard light activation, automatic
- Acoust. Reversing warning system when reverse gear selected
- Light function test
- Side marker lights, LED

Driveline/running gear

Engine, radiator

- Diesel engine MAN D2676 LF03, 353 kW (480 hp) output, 2,300 Nm torque, Euro 2



- Fuel filter, for fuels up to Cleanliness Class 21
- Without torque reduction
- Ventilation, crankcase, open
- Anti-noise skirt, engine
- Engine radiator Visco fan, high cooling output
- Fan control for start of cooling with low coolant temperature (e.g. hot country)
- Reduction of dust swirl through radiator fan
- Engine cooler, extended
- Radiator protection, lower
- Front radiator protection, grille
- Engine oil dipstick and digital oil level gauge
- Warning message for engine coolant level, with advance warning
- Antifreeze, down to -32 °C

Gearbox, clutch

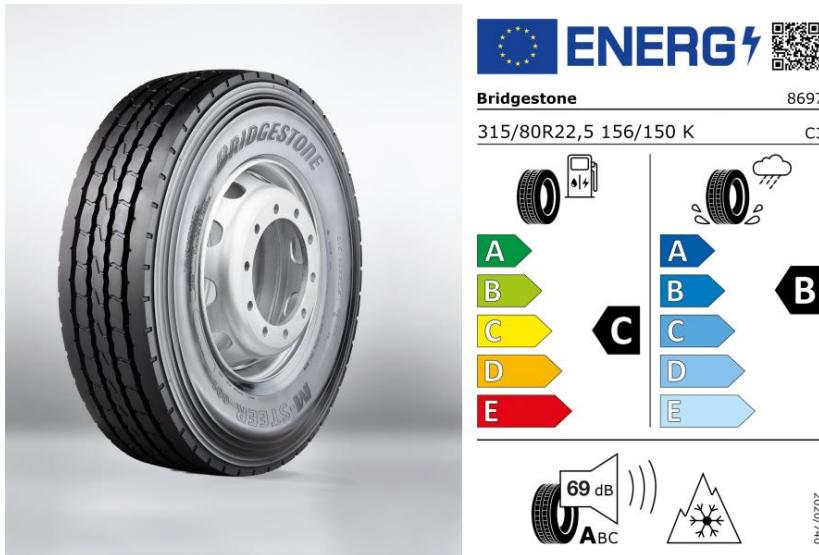
- MAN TipMatic 12.28 OD
- Gearbox for increased percentage of overrun during driving operation
- MAN TipMatic actuation, with drop arm, manual (DNR option, switching strategy option)
- MAN Idle Speed Driving gearbox function
- MAN TipMatic Efficiency driving program, up to 70,000 kg

- Single-disc clutch, 430 mm, dry, reinforced (LongLife)



Wheels, tyres

- Required tyre speed index J
- Front axle tyres Bridgestone 315/80R22.5 M-STEER 001 Steering-Road+Offroad TL



Product Information Sheet

Delegated Regulation (EU) 2020/740

Supplier name or trademark	BRIDGESTONE
Commercial name or trade designation	M-STEER 001
Tyre type identifier	8697
Tyre size designation	315/80 R22.5
Load-capacity index	156
Load-capacity index (Load index for Dual mounting)	150
Speed category symbol	K
Fuel efficiency class	C
Wet grip class	B
External rolling noise class	A
External rolling noise value	69 dB
Severe snow tyre	Yes
Date of start of production	14/16
Date of end of production	-
Additional information	
Load-capacity index (Single load index for Additional Service Description)	
Load-capacity index (Dual load index for Additional Service Description)	
Speed category symbol (for Additional Service Description)	

- Rim type, front axle, steel, single-part
- Rim size, front axle, 10-hole, 9.00x22.5
- Wheel nut cover ring, front axle
- Rear axle tyres Bridgestone 315/80R22.5 M-DRIVE 001 Drive-S+G TL

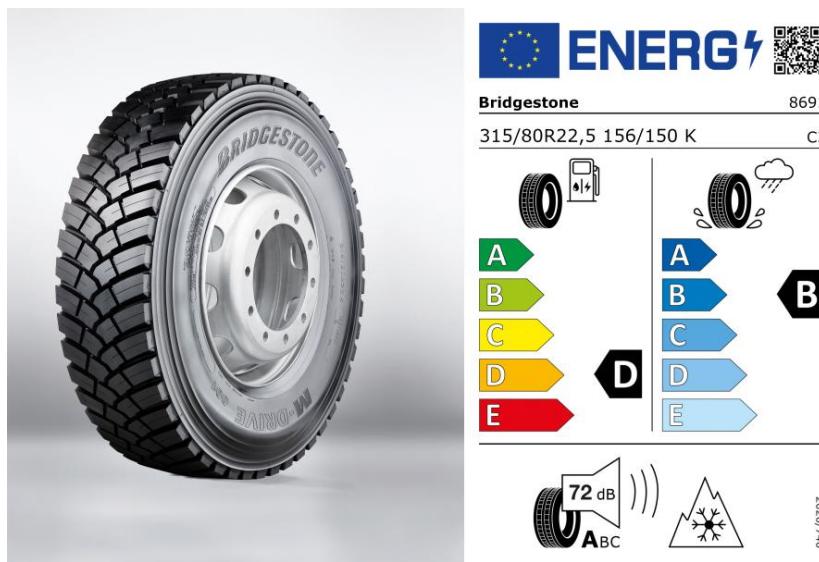


Product Information Sheet

Delegated Regulation (EU) 2020/740

Supplier name or trademark	BRIDGESTONE
Commercial name or trade designation	M-DRIVE 001
Tyre type identifier	8691
Tyre size designation	315/80 R22.5
Load-capacity index	156
Load-capacity index (Load index for Dual mounting)	150
Speed category symbol	K
Fuel efficiency class	D
Wet grip class	B
External rolling noise class	A
External rolling noise value	72 dB
Severe snow tyre	Yes
Date of start of production	14/16
Date of end of production	-
Additional information	
Load-capacity index (Single load index for Additional Service Description)	
Load-capacity index (Dual load index for Additional Service Description)	
Speed category symbol (for Additional Service Description)	

- Rim type, rear axle, steel, single-part
- Rim size, rear axle, 10-hole, 9.00x22.5
- Tyres for 2nd rear axle Bridgestone 315/80R22.5 M-DRIVE 001 Drive-Road+Offroad TL



Product Information Sheet

Delegated Regulation (EU) 2020/740

Supplier name or trademark	BRIDGESTONE
Commercial name or trade designation	M-DRIVE 001
Tyre type identifier	8691
Tyre size designation	315/80 R22.5
Load-capacity index	156
Load-capacity index (Load index for Dual mounting)	150
Speed category symbol	K
Fuel efficiency class	D
Wet grip class	B
External rolling noise class	A
External rolling noise value	72 dB
Severe snow tyre	Yes
Date of start of production	14/16
Date of end of production	-
Additional information	
Load-capacity index (Single load index for Additional Service Description)	
Load-capacity index (Dual load index for Additional Service Description)	
Speed category symbol (for Additional Service Description)	

- Rim type, 2nd rear axle, steel, single-part
- Rim size, 2nd rear axle, 10-hole, 9.00x22.5
- Spare wheel, in accordance with configuration for front axle tyres
- Top coating, rims, steel, white-aluminium
- Tyre inflation hose, 20 m, with pressure gauge

Axles

- 6x4
- Steering ratio, indirect
- Steering oil tank with electrical measuring sensor
- Front axle, 9,200 kg, not driven, straight, steered, not liftable
- Mudguard, front axle
- Splash guard mat on mudguard, front axle, longer at bottom
- Rear axle, 13,000 kg, planetary axle with drive shaft, straight, not steered, not liftable
- Twin tyre on rear axle
- Mudguard, rear axle, upper shell removable
- Splash guard flaps on mudguard, rear axle
- 2nd rear axle, 13,000 kg, planetary axle without drive shaft, straight, not steered, not liftable
- Twin tyre on 2nd rear axle
- Mudguard, 2nd rear axle, removable upper shell
- Splash guard mat on mudguard, 2nd rear axle
- Axle ratio, i = 4.00

- Differential locks on driven rear axles



- Without differential locks, front axles

Axle control system and suspension

- Suspension type for front axles and driven rear axles, leaf/leaf (BB)
- Leaf-spring suspension on front axle, parabolic, 3-leaf, steel
- Leaf-spring suspension on rear axle, parabolic, 5-leaf, steel
- Leaf-spring suspension on 2nd rear axle, parabolic, 5-leaf, steel
- Spring load-bearing capacity front axle 9,500 kg
- Spring load-bearing capacity of rear axle, 16,000 kg
- Spring load-bearing capacity of 2nd rear axle, 16,000 kg
- Shock absorbers on front axle
- Shock absorbers on rear axle
- Shock absorbers on 2nd rear axle
- Stabiliser, front axle
- Stabiliser, rear axle
- Stabiliser, 2nd rear axle
- Wishbone, reinforced

Cab

Cab and cab exterior

- Top coating, cab
- Textured coating, bumper, steel
- Textured coating, step units
- Textured coating, mudguard, behind cab
- TN cab: the flexible one (narrow, long, normal height)
- Cab mount, Comfort
- Cab tilt mechanism, manual
- Tilting roof, mechanical

- Bumper, steel, 3 pieces



- Front step, integrated, with grab option
- Windscreen, composite safety glass, tinted
- Sunblind, in front of windscreen
- Wiper system for windscreen
- Wiper activation, manual
- Step unit, hinged
- Central locking, no remote control
- Vehicle key, 2 units
- No door extension
- Door labelling, according to trade tonnage of vehicle
- Door windows, tinted
- Door window, safety glass

Lights and acoustic signals on cab exterior (headlights, horn, ...)

- Front headlights, H7
- Stone protection guard for front headlights, wide and fine mesh
- Daytime driving lights, H7
- Headlight beam regulator, manual
- Driving-light control, manual
- Contour lights, bulb, 2 units
- Turn signal lights, sides, bulb
- Horn, two-tone, electrical
- Preparation for revolving beacons (wiring)
- 2 revolving beacons on cab roof, 1 right and 1 left
- Spotlights, 2 units, cab roof, 1 right and 1 left
- Spotlight, halogen, white
- Switch for spotlight/manoeuvring light

Mirrors and mirror replacements

- Exterior rear-view mirror, mechanically adjustable
- Mirror housing, not painted
- Rear-view mirror arms, suitable for body width 2,500 mm to 2,600 mm

- Kerb mirror, right, mechanically adjustable

Seats

- Seat covers, fabric, standard
- Comfort driver's seat, air-sprung
- Driver's seat arm rests
- Co-driver's seat, not sprung, with storage box
- Storage space, in seat bracket of co-driver's seat
- Seat belt indicator, driver's side, acoustic and visual

Driver's workplace

- Steering wheel, adjustable height and angle
- Steering wheel, with parking position
- Steering lock
- Instrumentation, Basic km/h
- Analogue tachograph, CONTINENTAL
- Tachograph, calibrated
- Stowage compartment, open with two USB sockets, 5 V, charging only, to the right of climate control panel
- Plug-in ashtray, instrument panel in middle section, 1 unit
- Cigarette lighter
- Single DIN slots, 4 units, roof space, front

Cab air-conditioning system

- Air-conditioning system, manual



Bunk area

- Bunk, bottom, with slatted support
- Bunk mattress, bottom, 70 mm
- Cross-cab curtain, rear seats
- Storage box, rear, left, accessible from outside and inside with flap
- Storage box, rear, right, accessible from outside and inside with flap

Cab interior

- Colour scheme for interior styling, dark
- Interior styling analogous to colour scheme
- Windscreen roller blind, internal
- All-round curtain
- Interior light, central
- Entry lighting
- Door interior cladding, washable
- Carpet, on engine tunnel
- Storage, instrument panel in middle section, open
- Storage compartment, below the bunk, with bulkhead
- Grab handle, above door, internal, 2 units, 1 right and 1 left
- Entry handles, standard

Accessories and tools

- Jack, 12,000 kg
- Vehicle toolkit
- No warning triangle
- Operator's manual in French, printed, additional

Intelligent Truck

Infotainment (radio,...)

- MMT infotainment system, Starter Basic
- MAN loudspeaker system
- No navigation map
- English additionally for display and MAN digital vehicle guide

Bodies/interfaces

Interfaces to semitrailer (e.g. fifth-wheel coupling, brake connection,...)

- 2-line semitrailer brake connection, behind cab, spiral cable with standard coupling
- Trailer socket behind cab, 24 V, 7-pin and 7-pin
- Spiral cable to semitrailer, electr., two units, for trailer sockets behind cab, 24-V, 7+7-pin to 7+7-pin
- Spiral cable to semitrailer, electric, for trailer socket ABS, behind cab
- Fifth-wheel pick-up plate installation height, 40 mm (up to max. 36,000 kg fifth-wheel coupling load)

- JOST JSK 38 C 3.5" fifth-wheel coupling



- Kingpin, 3.5" diameter
- Manufacturer of fifth-wheel coupling: Jost
- Fifth-wheel coupling installation height, 190 mm
- Fifth-wheel coupling, manual lubrication
- Rubber joint bearing, fifth-wheel coupling
- Fifth-wheel coupling actuation, normal handle
- Fifth-wheel lead, 1,125 mm

Interfaces to trailer (e.g. trailer coupling, brake connections,..)

- Towing coupling at final cross member, ROCKINGER SK5
- Towing coupling on final cross member
- Without trailer brake connection at end of frame, centre
- Without trailer socket at frame end
- Trailer socket for anti-lock braking system (ABS), behind cab

PTOs

- Preparation, electr., for subsequent installation of a shiftable PTO, gearbox-dependent

Towing, recovery and lashing

- Central coupling jaw, integrated in bumper/front cross member, with lock pin

Additional operating equipment

- Eintrag in KFZ-Brief: Anhängelast 40.000kg bei Zgg. 59.000kg

Colour

<input type="checkbox"/> Top coating, chassis	GRAPHITE BLACK RAL 9011	W
<input type="checkbox"/> Top coating, cab	PURE WHITE RAL 9010	N

Technical data: TGS 33.480 6x4 BB SA / L26JAA03

Vehicle type: Vehicle type Semitrailer tractor (SA)	
Cab: TN cab: the flexible one (narrow, long, normal height)	
Drive Type: 6x4	
Lengths	mm
TD071 Total length	7175.0
TD063 Front vehicle overhang	1475.0
TD057 Wheelbase between front axles	0
TD058 Wheelbase between leading axle and rear axle	0
TD059 Wheelbase between rear axles	1400
TD060 Wheelbase between rear axle and trailing axle	0
TD064 Rear frame overhang	675.0
TD072 Distance from first front axle to body	865.0
TD067 Distance to kingpin from front axle, nominal position	3875.0
TD074 Slew radius, front	2910.0
TD075 Slew radius, rear	2212.0
TD068 Coupling length	7245.0
Widths	mm
TD008 Width included rearview mirror	2981.0
TD001 Width over cab	2240.0
Frame	mm
TD009 Frame width at front	Error: 204
TD010 Frame width at the rear	Error: 204
TD078 Frame profile	Error: 204
Heights	mm
TD033 Maximum external height, unladen	3296.0
TD082 Total transport height, unladen	3296.0
TD034 Maximum external height, laden	3198.0
TD035 Frame height at theoretical rear wheelbase, unladen	1139.0
TD036 Frame height at theoretical rear wheelbase, laden	1056.0
TD045 Raising from driving position, front	0.0
TD046 Lowering from driving position, front	0.0
TD047 Raising from driving position, rear	0.0
TD048 Lowering from driving position, rear	0.0
TD051 Height of fifth-wheel coupling above ground, unladen	1453.0
TD052 Height of fifth-wheel coupling above ground, laden	1370.0
Circle dimensions	m
TD055 Track circle diameter	17.2
TD056 Wall-to-wall turning circle diameter	18.9
Weights/loads	kg
TD026 Chassis weight with cab	9965
TD027 Chassis weight, front	5149

TD028 Chassis weight, rear	4816
TD029 Payload	23035
TD018 Statutorily permissible gross vehicle weight	33000
TD025 Technically permissible gross vehicle weight	33000
TD031 Statutorily permissible gross train weight	44000
TD032 Statutorily permissible trailer load	0

The technical data must be considered as an approximation. Some of the values are given in a simplified form. More detailed notes and descriptions can be found in the respective information in the overview. Contents and specifications have been compiled with the greatest possible care. Nevertheless, we do not assume responsibility for the data and values supplied being correct and up to date. Subject to errors and changes. MAN Truck & Bus AG is liable only in cases of intent, gross negligence or culpable breach of significant contractual obligations.