



**Vehicle description for: TGS 22.480 4x2 BB SA**



Illustration can deviate

**Vehicle standards**

Product family	The new MAN Truck Generation
Model & Variant	TGS 22.480 4x2 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	1025 mm
Steering configuration	Left

**Vertical Load**

	National Registration	Technical Load
Gross weight	21,000 kg	21,000 kg
Front axle	8,000 kg	8,000 kg
Rear axle	13,000 kg	13,000 kg

**Horizontal Load**

	National Registration	Technical Load
Gross train weight	45,000 kg	45,000 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

<input type="checkbox"/>	Semitrailer tractor	0P2UA
<input type="checkbox"/>	Chassis class, heavy	0P2UC
<input type="checkbox"/>	Destination: Morocco (MA)	0P3HG
<input type="checkbox"/>	Merchant tonnage 22 t	0P8LG
<input type="checkbox"/>	Basic layout of vehicle, all-round	0PGCU
<input type="checkbox"/>	Frame type, medium-high	0P2TQ
<input type="checkbox"/>	Vehicle type Semitrailer tractor (SA)	0P2UR
<input type="checkbox"/>	Left-hand-drive	0P3AS
<input type="checkbox"/>	Right-hand traffic	0P3F5
<input type="checkbox"/>	Vehicle documentation in French	0P2LA
<input type="checkbox"/>	Labelling in French	0P8NN
<input type="checkbox"/>	Cab position 640 mm (distance from frame lower edge to cab floor)	0PHBE

### Registration

<input type="checkbox"/>	Vehicle approval, N3G class	0P3JS
<input type="checkbox"/>	Maximum speed limiter, 89 km/h, tolerance +1 km/h, electronic, engine speed regulation	0P2UJ
<input type="checkbox"/>	Maximum vehicle noise level, 82 dB in acc. with UN/ECE-R 51.02	0PIND
<input type="checkbox"/>	Maximum vehicle width of 2,500 mm checked with respect to relevant cab components	0PIOH
<input type="checkbox"/>	Maximum vehicle width of 2,500 mm checked with respect to relevant chassis components	0PIOJ
<input type="checkbox"/>	Vehicle classification in accordance with regulation (EU) 2018/858	0PKAW

### Documents

<input type="checkbox"/>	Without registration documentation, national	0P3B0
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### Application scope / transport tasks

<input type="checkbox"/>	Vehicle version municipal/public service deployment	0P0H7
<input type="checkbox"/>	Construction	0P6WH
<input type="checkbox"/>	040 SZM Standard	0P2QM
<input type="checkbox"/>	Temperature range, vehicle deployment, warm country	0PHIB
<input type="checkbox"/>	Case hardness of final drive Distribution	0P4F0

### Lines, editions and packages

<input type="checkbox"/>	Special request paintwork	0PJTD
<input type="checkbox"/>	Without Individual Lion package	0PJT1

### Horizontal and vertical loads

<input type="checkbox"/>	21,000 kg permitted gross load, vertical, nat. appr.	0P5PK
<input type="checkbox"/>	21,000 kg permitted gross load, vertical, tech.	0P5TD
<input type="checkbox"/>	21,000 kg permitted gross load, vertical, tech. Plus	0P8GZ
<input type="checkbox"/>	8,000 kg permitted load on front axle, nat. appr.	0P5KT
<input type="checkbox"/>	8,000 kg permitted load on front axle, tech.	0P5LN
<input type="checkbox"/>	8,000 kg permitted load on front axle, tech. Plus	0P8D4
<input type="checkbox"/>	13,000 kg permitted load on rear axle NatZu	0P5HC
<input type="checkbox"/>	13,000 kg permitted load on rear axle, tech.	0P5IO
<input type="checkbox"/>	13,000 kg permitted load on rear axle, tech. Plus	0P8BY



<input type="checkbox"/>	45,000 kg permitted gross train weight, national registration	0PB10
<input type="checkbox"/>	45,000 kg permissible gross train weight TechH.	0PBWF
<input type="checkbox"/>	45,000 kg permitted gross train weight, Tech. Plus	0BPVP
<input type="checkbox"/>	0kN D value	0P8XD
<input type="checkbox"/>	With the registered technical gross train weight, the maximum possible gradeability is 11%	0P9A3

## Notification texts

<input type="checkbox"/>	Note: With increased permissible gross weight, increase in wear of driveline and reduced service life	0PFZP
<input type="checkbox"/>	Note: The engine output must be expected to decline if the gross train weight is high and the vehicle is exposed to extreme conditions.	0PGB9
<input type="checkbox"/>	Without note (propshaft wear)	0PJRV

## Chassis

### Vehicle frame (wheelbase, overhang, ...)

<input type="checkbox"/>	Main wheelbase, 3,600 mm	0P2ZD
<input type="checkbox"/>	Frame overhang, rear, 1,025 mm	0P3CQ
<input type="checkbox"/>	Main frame side member thickness, 9.5 mm	0P0Y7
<input type="checkbox"/>	Vehicle rear, angled end of frame	0P0XS
<input type="checkbox"/>	Semitrailer auxiliary frame	0P0XV

### Exhaust system, air intake

<input type="checkbox"/>	Exhaust silencer, side, left	0P1BG
<input type="checkbox"/>	Exhaust tailpipe, towards rear	0P1BQ
<input type="checkbox"/>	Air intake, behind cab, raised	0P0AY
<input type="checkbox"/>	Pre-separator for engine air intake	0P0BA

### Battery cases, batteries, alternator

<input type="checkbox"/>	Battery, 12 V, 175 Ah, 2 units, maintenance free	0P0WA
<input type="checkbox"/>	Alternator, Basic	0P1BV
<input type="checkbox"/>	Medium battery box, 2 batteries	0P0WU
<input type="checkbox"/>	Battery box, left	0P0WO
<input type="checkbox"/>	Main battery switch, electric	0P0WE
<input type="checkbox"/>	Safety cut-out	0P1V2
<input type="checkbox"/>	Lockable battery box, with padlock	0P0WL

### Tanks and fuel line

<input type="checkbox"/>	Fuel tank capacity 390 l, right	0P4EC
<input type="checkbox"/>	Fuel tank, right, aluminium	0P4GM
<input type="checkbox"/>	Tank cross-section, right, medium	0P4HE
<input type="checkbox"/>	AdBlue tank capacity 35 l, right	0P4CZ
<input type="checkbox"/>	AdBlue tank, right, plastic	0P4HU
<input type="checkbox"/>	Fuel tank cap, lockable for master key system	0P4H5
<input type="checkbox"/>	Cap for AdBlue tank, lockable	0P4GE
<input type="checkbox"/>	Filter screen for fuel tank filler neck	0P1EM
<input type="checkbox"/>	Fuel pre-filter position on the battery box	0PIW9

### Frame attachments



<input type="checkbox"/>	Without underride protection, front	0P1FM
<input type="checkbox"/>	Without working platform	0P0VH
<input type="checkbox"/>	Without underride protection, side	0P1FG
<input type="checkbox"/>	Spare wheel, provisionally mounted	0P1GR
<input type="checkbox"/>	Final cross member, with hole pattern 160 x 100 mm	0P1SB
<input type="checkbox"/>	Without underride protection, rear	0P1FB
<input type="checkbox"/>	Wheel chock, one unit, without retaining device, delivered loose	0P6WW
<input type="checkbox"/>	Without body attachment brackets/thrust plates	0P0X6

## Pneumatic brakes, compressed-air generation, brake system

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<input type="checkbox"/>	Air compressor, 1-cylinder, 360 ccm	0P0AF
<input type="checkbox"/>	Compressed-air treatment, pneumatically controlled	0P0AB
<input type="checkbox"/>	Steel compressed-air tank	0P0XH
<input type="checkbox"/>	Electronic brake system (EBS)	0P0BL
<input type="checkbox"/>	Anti-lock braking system (ABS), Offroad, with additional off-road logic	0P0BF
<input type="checkbox"/>	Full brake assistant	0P0CM
<input type="checkbox"/>	Without preparation for EBS Full control unit	0PHPM
<input type="checkbox"/>	MAN EVBec high-performance engine brake, stages possible	0P0BW
<input type="checkbox"/>	Retarder Eco Cool, speed-dependent, variable stages, energy eff., low heat input in coolant	0P0BQ
<input type="checkbox"/>	Drum brakes on front axle	0P11A
<input type="checkbox"/>	Drum brakes on rear axle	0P115
<input type="checkbox"/>	Parking brake control, next to driver's seat	0P3KH
<input type="checkbox"/>	Parking brake with spring-type actuator on rear axles (incl. leading axle/ trailing axle)	0PGBL
<input type="checkbox"/>	Anti-jackknifing brake, manual, can be operated next to driver's seat	0P0CJ
<input type="checkbox"/>	Brake lining thickness display, with brake lining wear warning	0P0BG
<input type="checkbox"/>	Harmonisation of brake lining wear	0P0BI

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

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<input type="checkbox"/>	Rear lights	0P2AQ
<input type="checkbox"/>	Acoust. Reversing warning system when reverse gear selected	0P3CD
<input type="checkbox"/>	Light function test	0P2AD
<input type="checkbox"/>	Side marker lights, LED	0P2BJ

## Driveline/running gear

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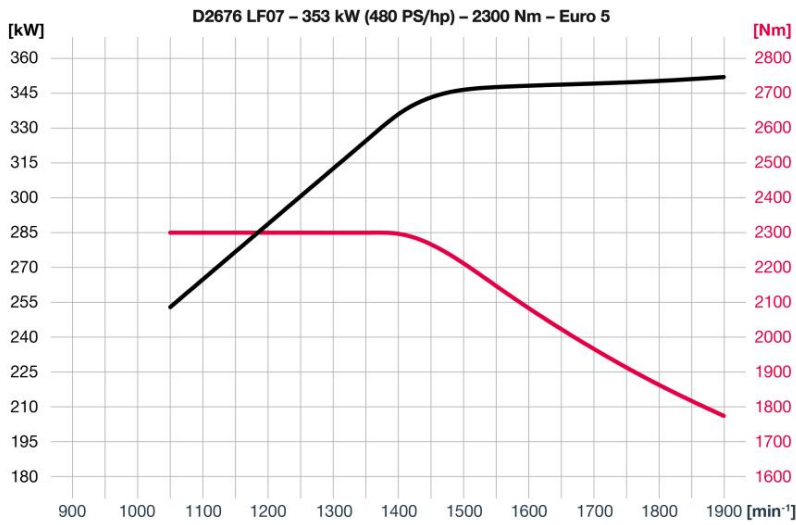
### Engine, radiator

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- Diesel engine MAN D2676 LF07, 353 kW (480 hp) output, 2,300 Nm torque, Euro 5

0P6BL



- Fuel filter, heated, for fuels up to Cleanliness Class 25
- Fuel pre-filter, with oil separator/water trap, heated
- Engine dry-air filter, with safety insert
- Ventilation, crankcase, closed
- Anti-noise skirt, engine
- Fan control for start of cooling with low coolant temperature (e.g. hot country)
- Reduction of dust swirl through radiator fan
- Engine cooler, normal length
- 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
- Service product level indicator and intake system vacuum

0PHIG  
0P0AU  
0P0B8  
0P8PM  
0P2E7  
0P0K5  
0P1YE  
0P4XX  
0P1XE  
0P1VP  
0P0B6  
0P0KA  
0P0AK  
0P3KT

### Gearbox, clutch

- Manually operated gearbox, MAN 16.25 OD, with retarder 35
- Gearbox for normal percentage of overrun during driving operation
- Manual gearbox operation, single-H, group/split switch
- Single-disc clutch, 430 mm, dry, reinforced (LongLife)

0P5VM  
0PGDA  
0P3KL  
0P0DW

### Wheels, tyres


- Required tyre speed index K


0PFW3



- Front axle tyres Bridgestone 315/80R22.5 M-STEER 001 Steering-Road+Offroad TL

0PEYF



**ENERGY** 


**Bridgestone** 8697

315/80R22,5 156/150 K C3

**Fuel Efficiency:** A, B, C, D, E (Class: C)

**Wet Grip:** A, B, C, D, E (Class: B)

**External Rolling Noise:** 69 dB (Class: A)

**Severe Snow Tyre:** 

2020/740

### 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	-
<b>Additional information</b>	
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

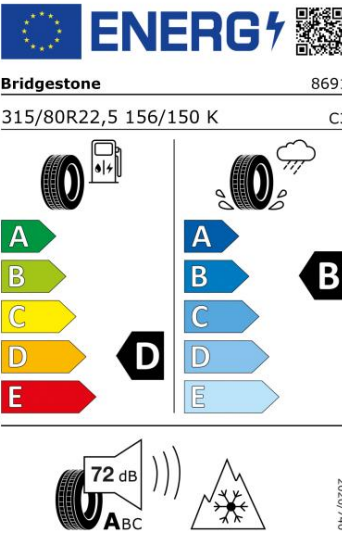
0P0P0  
0P0NI  
0P0PR



- Rear axle tyres Bridgestone 315/80R22.5 M-DRIVE 001 Drive-S+G TL

0PDT9





**ENERGY**

**Bridgestone** 8691

315/80R22,5 156/150 K C3

72 dB ABC

2020/740

### 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	-
<b>Additional information</b>	
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 0P000
- Rim size, rear axle, 10-hole, 9.00x22.5 0P0MU
- Spare wheel, in accordance with configuration for front axle tyres 0P0MH
- Tyre inflation hose, 20 m, with pressure gauge 0P1UA
- Centring sleeves for rim mounting 0PHZW

#### Axles

- 4x2 0P3B1
- Steering ratio, standard 0P1JX
- Steering oil tank with electrical measuring sensor 0P1JV
- Front axle, 9,200 kg, not driven, straight, steered, not liftable 0P5EX
- Mudguard, front axle 0P1AT
- Splash guard mat on mudguard, front axle, longer at bottom 0P1XS
- Rear axle, 13,000 kg, planetary axle without drive shaft, straight, not steered, not liftable 0P4ZN
- Twin tyre on rear axle 0P1HN



<input type="checkbox"/>	Mudguard, rear axle, upper shell removable	0P1AM
<input type="checkbox"/>	Splash guard mat on mudguard, rear axle, longer at bottom	0P1XK
<input type="checkbox"/>	Axle ratio, $i = 3.63$	0P0CZ
<input type="checkbox"/>	Differential locks on driven rear axles	0P0DI
<input type="checkbox"/>	Without differential locks, front axles	0P0DL

## Axle control system and suspension

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<input type="checkbox"/>	Suspension type for front axles and driven rear axles, leaf/leaf (BB)	0P2YB
<input type="checkbox"/>	Leaf-spring suspension on front axle, parabolic, 3-leaf, steel	0P1JE
<input type="checkbox"/>	Leaf-spring suspension on rear axle, parabolic, 5-leaf, steel	0P1J2
<input type="checkbox"/>	Spring load-bearing capacity front axle 9,500 kg	0P5C4
<input type="checkbox"/>	Spring load-bearing capacity of rear axle, 16,000 kg	0P5BW
<input type="checkbox"/>	Shock absorbers on front axle	0P1M4
<input type="checkbox"/>	Shock absorbers on rear axle	0P1LQ
<input type="checkbox"/>	Stabiliser, front axle	0P1LD
<input type="checkbox"/>	Stabiliser, rear axle	0P1LA
<input type="checkbox"/>	Axle location system not as wishbone	0P6ZY
<input type="checkbox"/>	Without trailer air suspension control	0PHN2

## Cab

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### Cab and cab exterior

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<input type="checkbox"/>	TN cab: the flexible one (narrow, long, normal height)	0P2DF
<input type="checkbox"/>	Cab mount, Comfort	0P1V9
<input type="checkbox"/>	Cab tilt mechanism, manual	0P1V6
<input type="checkbox"/>	Roof spoiler, 600 mm adjustment range	0P1X7
<input type="checkbox"/>	Roof spoiler adjustment upon delivery, transport position	0P1XA
<input type="checkbox"/>	Tilting roof, mechanical	0P1VW
<input type="checkbox"/>	Side flaps, right and left folding	0P1YC
<input type="checkbox"/>	Bumper, steel, 3 pieces	0P1SG
<input type="checkbox"/>	Front step, integrated, with grab option	0P1VE
<input type="checkbox"/>	Windscreen, composite safety glass, tinted	0P1X0
<input type="checkbox"/>	Sunblind, in front of windscreen	0P1WK
<input type="checkbox"/>	Wiper system for windscreen	0P1WG
<input type="checkbox"/>	Wiper activation, manual	0P1UL
<input type="checkbox"/>	Step unit, hinged	0P1V0
<input type="checkbox"/>	Central locking, with remote control	0P1WR
<input type="checkbox"/>	Vehicle key, 2 units	0P3JT
<input type="checkbox"/>	No door extension	0P1WV
<input type="checkbox"/>	Door labelling, according to maximum technically permitted overall vehicle weight	0P2DO
<input type="checkbox"/>	Door windows, tinted	0P1WO
<input type="checkbox"/>	Door window, safety glass	0P1WM
<input type="checkbox"/>	Cab rear wall, no window	0P1VD

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

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<input type="checkbox"/>	Without light and headlight package	0PKWU
<input type="checkbox"/>	Front headlights, H7	0P1ZN
<input type="checkbox"/>	Stone protection guard for front headlights, wide and fine mesh	0PICD





<input type="checkbox"/>	Daytime driving lights, LED	0P2BP
<input type="checkbox"/>	Fog lights, H7	0P2AH
<input type="checkbox"/>	Cornering light, H7	0P1YF
<input type="checkbox"/>	Headlight beam regulator, manual	0P2AC
<input type="checkbox"/>	Driving-light control, manual	0P1ZF
<input type="checkbox"/>	Contour lights, LED, 2 units	0P2BS
<input type="checkbox"/>	Turn signal lights, sides, bulb	0P1Z6
<input type="checkbox"/>	Compressed-air horn, 2 units, cab roof	0P1UW
<input type="checkbox"/>	Revolving beacons, LED, yellow (individual LEDs light up in cascades, revolving)	0P2BD
<input type="checkbox"/>	2 revolving beacons on cab roof, 1 right and 1 left	0P2B3
<input type="checkbox"/>	Spotlight, 1 unit, cab roof, left	0P1YK
<input type="checkbox"/>	Spotlight, LED, white	0PJQA
<input type="checkbox"/>	Switch for spotlight/manoeuvring light	0P5U5
<input type="checkbox"/>	Preparation for lighting behind cab	0PHZU
<input type="checkbox"/>	Without revolving beacons at the rear of the vehicle	0PJRO

#### Mirrors and mirror replacements

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<input type="checkbox"/>	Exterior rear-view mirror, electrically adjustable	0P2CA
<input type="checkbox"/>	Mirror housing, not painted	0P2CP
<input type="checkbox"/>	Vehicle components, suitable for body width larger than 2,400 mm to 2,600 mm	0P2CT
<input type="checkbox"/>	Kerb mirror, right, electrically adjustable	0P2CG
<input type="checkbox"/>	Front mirror, mechanical adjustment	0P2CJ
<input type="checkbox"/>	Without mirror package	0PKWV

#### Seats

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<input type="checkbox"/>	Seat covers, fabric, Comfort	0P2PO
<input type="checkbox"/>	Comfort driver's seat, air-sprung	0P2P2
<input type="checkbox"/>	Driver's seat arm rests	0P2OE
<input type="checkbox"/>	Adjustment of seat belt height, driver's seat	0P4XQ
<input type="checkbox"/>	Co-driver's seat, not sprung, length, height and backrest adjustment	0P2OP
<input type="checkbox"/>	Co-driver's seat arm rests	0P2OC
<input type="checkbox"/>	Seat belt indicator, driver's side, acoustic and visual	0P2NB
<input type="checkbox"/>	Without driver's seat package	0PKXV
<input type="checkbox"/>	Without co-driver's seat package	0PKXU

#### Driver's workplace

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<input type="checkbox"/>	Multi-function steering wheel, adjustable height and angle	0P2GD
<input type="checkbox"/>	Steering wheel, with parking position	0P2GE
<input type="checkbox"/>	Steering lock	0P3JZ
<input type="checkbox"/>	Instrumentation, Basic km/h	0P3L3
<input type="checkbox"/>	Analogue tachograph, CONTINENTAL	0P2KW
<input type="checkbox"/>	Tachograph, calibrated	0P2KG
<input type="checkbox"/>	Socket, cab centre, 2 units, 12 V and 24 V	0P2HX
<input type="checkbox"/>	Stowage compartment, open with two USB sockets, 5 V, charging only, to the right of climate control panel	0PGT7
<input type="checkbox"/>	2 pull-out cup holders in instrument panel	0P2FA
<input type="checkbox"/>	Plug-in ashtray, instrument panel in middle section, 1 unit	0P2FO
<input type="checkbox"/>	Cigarette lighter	0P2IH



- Standard control field, inside of driver's door, with door open operated externally, 4 function buttons 0P3KE
- Single DIN slots, 4 units, roof space, front 0P2FJ
- Without storage tray next to seat 0PJRS

## Cab air-conditioning system

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- Air-conditioning system, manual 0P2NU

## Bunk area

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- Bunk, bottom, with slatted support 0P2GX
- Fabric cover for bottom bunk 0P2I5
- Comfort bed mattress, bottom, 110 mm 0P2GK



- Tray, left, at bottom bunk 0P2EH
- Tray, right, at bottom bunk 0P2EN
- Reading light on swan neck, cab rear area, bottom, centre, 1 unit 0P2IV
- Cross-cab curtain, rear seats 0P2GP
- Storage box, rear, left, accessible from outside and inside with flap 0P2H2
- Storage box, rear, right, accessible from outside and inside with flap 0P2H6

## Cab interior

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- Colour scheme for interior styling, dark 0P2I6
- Interior styling analogous to colour scheme 0PGBT
- Windscreen roller blind, internal 0P2FE
- Roller blind for door windows, internal, mechanical, driver's side 0P2FH
- All-round curtain 0P2GS
- Interior light, central 0PHA6
- Reading light, 2 units, 1 on driver's side and 1 on co-driver's side 0P2IR
- Entry lighting 0P2IO
- Door interior cladding, washable 0P2IA
- Carpet, on engine tunnel 0P2I9
- Storage, instrument panel in middle section, open 0P2HK
- Fridge and folding module, 1 unit, in centre area to rear 0P2HC
- Stowage compartment, 1 unit, cab rear wall, at bottom bunk, with control panel 0P2EW



<input type="checkbox"/>	Socket, cab bottom bunk area, 2 units, 12 V and 24 V, and USB socket, 5 V, for charging only	0P2HZ
<input type="checkbox"/>	Grab handle, above door, internal, 2 units, 1 right and 1 left	0P2G2
<input type="checkbox"/>	Entry handles, standard	0PHPK
<input type="checkbox"/>	Without driver's workplace package, Comfort	0PKXT
<input type="checkbox"/>	Without interior lighting package	0PKNF
<input type="checkbox"/>	Without stowage and storage space package	0PKXS

## Accessories and tools

<input type="checkbox"/>	Compressed-air connection, cab, with compressed-air hose and gun	0P2FM
<input type="checkbox"/>	Jack, 12,000 kg	0P3F8
<input type="checkbox"/>	Without accessories and tools package	0PKXA
<input type="checkbox"/>	Vehicle toolkit	0P2TX
<input type="checkbox"/>	First aid kit	0P3F3
<input type="checkbox"/>	Warning triangle, 1 units	0P3FI
<input type="checkbox"/>	Hazard warning light, 1 units, with continuous light function	0P3FF

## Intelligent Truck

### Assistance systems

<input type="checkbox"/>	Electronic Stability Program (ESP)	0P1TN
<input type="checkbox"/>	Anti-slip control (ASR)	0P1T2
<input type="checkbox"/>	Tempomat (cruise control, CC)	0P1TR
<input type="checkbox"/>	Road speed limiter, adjustable, limiter (engine speed regulation)	0P0C3
<input type="checkbox"/>	Without advanced emergency braking system	0P1U5
<input type="checkbox"/>	Idle shut down	0P0GX
<input type="checkbox"/>	Without driving fitness detection system	0PHN5
<input type="checkbox"/>	Without Front Detection	0PHNA
<input type="checkbox"/>	Without traffic sign recognition	0PHNE
<input type="checkbox"/>	Without Reversing Motion System	0PHNV
<input type="checkbox"/>	Without distance warning system	0PKA0

### Infotainment (radio,...)

<input type="checkbox"/>	MMT infotainment system, Starter High	0P2M2
<input type="checkbox"/>	MAN sound system	0P2MG
<input type="checkbox"/>	No navigation map	0P2N2
<input type="checkbox"/>	Arabic additionally for display	0P2JL

## Bodies/interfaces

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

<input type="checkbox"/>	2-line semitrailer brake connection, behind cab, spiral cable with standard coupling	0P1O2
<input type="checkbox"/>	Trailer socket behind cab, 24 V, 15-pin	0P1P9
<input type="checkbox"/>	Spiral cable to semitrailer, electr., one unit, for trailer socket behind cab, 24-V, 15-pin to 15-pin	0P8NY
<input type="checkbox"/>	Y-spiral line to semitrailer, electr., for trailer sockets behind cab, 24 V, 15 pin to 7+7 pin	0P1QO
<input type="checkbox"/>	Spiral cable to semitrailer, electric, for trailer socket ABS, behind cab	0P8O1
<input type="checkbox"/>	Fifth-wheel pick-up plate installation height, 12 mm (up to max. 20,000 kg fifth-wheel coupling load)	0P1Q1
<input type="checkbox"/>	JOST JSK 37 C 2" fifth-wheel coupling	0P1RM



<input type="checkbox"/>	Kingpin, 2" diameter	0P1RY
<input type="checkbox"/>	Manufacturer of fifth-wheel coupling: Jost	0PBY1
<input type="checkbox"/>	Fifth-wheel coupling installation height, 250 mm	0P1PX
<input type="checkbox"/>	Fifth-wheel coupling, automatic lubrication	0P1Q7
<input type="checkbox"/>	Rubber joint bearing, fifth-wheel coupling	0PBY6
<input type="checkbox"/>	Fifth-wheel coupling actuation, normal handle	0P1QI
<input type="checkbox"/>	Without sensing of the fifth-wheel coupling	0PHN7
<input type="checkbox"/>	Fifth-wheel lead, 585 mm	0P5BF

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

<input type="checkbox"/>	Towing coupling at final cross member, ROCKINGER SK5	0P1MZ
<input type="checkbox"/>	Towing coupling on final cross member	0P1SH
<input type="checkbox"/>	Without trailer brake connection at end of frame, centre	0P1O0
<input type="checkbox"/>	Without trailer socket at frame end	0P1OW
<input type="checkbox"/>	Trailer socket for anti-lock braking system (ABS), behind cab	0P1O5

#### Ex works bodies and interfaces to bodies (e.g. tipper indicator...)

<input type="checkbox"/>	Interface for data exch. with body (customer-specific control module) and engine intermediate speed control (ZDR), front area of cab	0P2NA
<input type="checkbox"/>	Interface for vehicle data (FMS)	0P2J3
<input type="checkbox"/>	Tipper indicator, cab (symbols)	0P2M5

#### PTOs

<input type="checkbox"/>	PTO, gearbox-dependent, type NH/4c, without flange, f=1.17/1.40, position approx. 4 o'clock	0P4QK
<input type="checkbox"/>	PTO, gearbox-dependent, for short-time operation less than 60 min	0P4VK
<input type="checkbox"/>	PTO, gearbox-dependent, shiftable	0P4X9
<input type="checkbox"/>	Without fan wheel for PTO, gearbox-dependent	0P4VR
<input type="checkbox"/>	Function parameters for PTO; gearbox-dependent, driving operation	0P4WP
<input type="checkbox"/>	Sector-specific parameterisation, general	0P4X0

#### Towing, recovery and lashing

<input type="checkbox"/>	Central coupling jaw, integrated in bumper/front cross member, with lock pin	0P1MK
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### Paintworks

#### Paintwork, cab, top

<input type="checkbox"/>	Top coating, cab	0P6YB
<input type="checkbox"/>	Top coating, Aero package (roof spoiler with side flaps)	0P6X2

#### Paintwork, cab, bottom

<input type="checkbox"/>	Textured coating, step units	0P6X9
<input type="checkbox"/>	Textured coating, mudguard, behind cab	0P6YG
<input type="checkbox"/>	Textured coating, bumper, steel	0P6YQ

#### Paintwork, chassis

<input type="checkbox"/>	Top coating, chassis	0P6YC
<input type="checkbox"/>	Top coating, rims, steel, white-aluminium	0P6YL



## Colour

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<input type="checkbox"/>	Top coating, Aero package (roof spoiler with side flaps)	PURE WHITE RAL 9010	A
<input type="checkbox"/>	Top coating, cab	PURE WHITE RAL 9010	N
<input type="checkbox"/>	Top coating, chassis	GRAPHITE BLACK RAL 9011	W



## Technical data: TGS 22.480 4x2 BB SA / L03JAA01

Vehicle type: Vehicle type Semitrailer tractor (SA)  
 Cab: TN cab: the flexible one (narrow, long, normal height)  
 Drive Type: 4x2

<b>Lengths</b>		<b>mm</b>
TD071	Total length	6342.0
TD063	Front vehicle overhang	1607.0
TD057	Wheelbase between front axles	0
TD058	Wheelbase between leading axle and rear axle	0
TD059	Wheelbase between rear axles	0
TD060	Wheelbase between rear axle and trailing axle	0
TD064	Rear frame overhang	1000.0
TD072	Distance from first front axle to body	1171.0
TD067	Distance to kingpin from front axle, nominal position	3025.0
TD074	Slew radius, front	2060.0
TD075	Slew radius, rear	1768.0
TD068	Coupling length	6170.0

<b>Widths</b>		<b>mm</b>
TD008	Width included rearview mirror	2981.0
TD001	Width over cab	2240.0

<b>Frame</b>		<b>mm</b>
TD009	Frame width at front	945.0
TD010	Frame width at the rear	765.0
TD078	Frame profile	270 x 85 x 9,5

<b>Heights</b>		<b>mm</b>
TD033	Maximum external height, unladen	3789.0
TD082	Total transport height, unladen	3311.0
TD034	Maximum external height, laden	3691.0
TD035	Frame height at theoretical rear wheelbase, unladen	1227.0
TD036	Frame height at theoretical rear wheelbase, laden	1076.0
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	1492.0
TD052	Height of fifth-wheel coupling above ground, laden	1341.0

<b>Circle dimensions</b>		<b>m</b>
TD055	Track circle diameter	12.9
TD056	Wall-to-wall turning circle diameter	14.7

<b>Weights/loads</b>		<b>kg</b>
TD026	Chassis weight with cab	Error: 204
TD027	Chassis weight, front	---
TD028	Chassis weight, rear	---

TD029	Payload	---
TD018	Statutorily permissible gross vehicle weight	21000
TD025	Technically permissible gross vehicle weight	21000
TD031	Statutorily permissible gross train weight	45000
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.