

Vehicle description for: TGS 22.440 4x2 BB SA



Illustration can deviate

Vehicle standards

Product family	The new MAN Truck Generation
Model & Variant	TGS 22.440 4x2 BB SA
Emission class	EURO2
Engine family	D26
Engine output	324 kW
Vehicle type	Vehicle type Semitrailer tractor (SA)
Body type	040 SZM Standard
Cab	TN cab: the flexible one (narrow, long, normal height)
Main wheel distance	3900 mm
Overhang	1025 mm
Steering configuration	Left

Vertical Load

	National Registration	Technical Load	Technical Load Plus
Gross weight	19,000 kg	19,000 kg	19,000 kg
Front axle	8,000 kg	8,000 kg	8,000 kg
Rear axle	13,000 kg	13,000 kg	13,000 kg

Horizontal Load

	National Registration	Technical Load	Technical Load Plus
Gross train weight	40,000 kg	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	0P2UA
☐	Chassis class, heavy	0P2UC
☐		
☐	Merchant tonnage 22 t	0P8LG
☐	Basic layout, standard vehicle	0PLSI
☐	Application area, on road hard (R2)	0PLSB
☐	Frame type, medium-high	0P2TQ
☐	Vehicle type Semitrailer tractor (SA)	0P2UR
☐	Left-hand-drive	0P3AS
☐	Right-hand traffic	0P3F5
☐	Vehicle documentation in French	0P2LA
☐	Labelling in French	0P8NN
☐	Cab position 640 mm (distance from frame lower edge to cab floor)	0PHBE

Registration

☐	Vehicle approval, N3 class	0P3JR
☐	Maximum speed limiter, 89 km/h, tolerance +1 km/h, electronic, engine speed regulation	0P2UJ
☐	VO (EU) 2021/535/III (affixing license plate) complies with	0PJV6
☐	Maximum vehicle noise level, 80 dB in acc. with UN/ECE-R 51.02	0PINC
☐	Height over cab, unloaded up to 4,000 mm	0PHA1
☐	Vehicle classification in accordance with regulation (EU) 2018/858	0PKAW

Documents

☐	Without registration documentation, national	0P3B0
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Application scope / transport tasks

☐	Long-haul transport, standard	0P6WE
☐	040 SZM Standard	0P2QM
☐	Temperature range, vehicle deployment, warm country	0PHIB
☐	Case hardness of final drive Distribution	0P4F0

Lines, editions and packages

☐	Without Efficient Drive	0PVBQ
☐	Basic paintwork	0PJTA
☐	Without Individual Lion package	0PJT1

Horizontal and vertical loads

☐	19,000 kg permitted gross load, vertical, nat. appr.	0P5PF
☐	19,000 kg permitted gross load, vertical, tech.	0P5S8
☐	19,000 kg permitted gross load, vertical, tech. Plus	0P8GU
☐	8,000 kg permitted load on front axle, nat. appr.	0P5KT
☐	8,000 kg permitted load on front axle, tech.	0P5LN
☐	8,000 kg permitted load on front axle, tech. Plus	0P8D4
☐	13,000 kg permitted load on rear axle NatZu	0P5HC
☐	13,000 kg permitted load on rear axle, tech.	0P5IO

☐	13,000 kg permitted load on rear axle, tech. Plus	0P8BY
☐	40,000 kg permitted gross train weight, national registration	0PBIO
☐	44,000 kg permissible gross train weight TechH.	0P6ZL
☐	44,000,kg permitted gross train weight, Tech. Plus	0PBPT
☐	90kN D value	0P9AT

Notification texts

☐	Note: With increased permissible gross weight, increase in wear of driveline and reduced service life	0PFZP
☐	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
☐	Notice: Reduced front overhang angle due to long radiator	0PHPG
☐	Without note (propshaft wear)	0PJRV

Chassis

Vehicle frame (wheelbase, overhang, ...)

☐	Main wheelbase, 3,900 mm	0P2ZK
☐	Frame overhang, rear, 1,025 mm	0P3CQ
☐	Main frame side member thickness, 9.5 mm	0P0Y7
☐	Vehicle rear, angled end of frame	0P0XS
☐	Semitrailer auxiliary frame	0P0XV

Exhaust system, air intake

☐	Exhaust silencer, side, left	0P1BG
☐	Exhaust tailpipe, towards rear	0P1BQ
☐	Air intake, behind cab, raised	0P0AY
☐	Pre-separator for engine air intake	0P0BA

Battery cases, batteries, alternator

☐	2 batteries, 12 V, 180 Ah, long-life (EFB), maintenance free	0PGB1
☐	Three-phase alternator 28 V, 120 A, 3,360 W, Longlife Eco	0P1BW
☐	Medium battery box, 2 batteries	0P0WU
☐	Battery box, left	0P0WO
☐	Main battery switch, mechanical	0P0WF
☐	Fuses	0P1V1

Tanks and fuel line

☐	Fuel tank capacity 910 l, right	0P4EV
☐	Fuel tank, right, aluminium	0P4GM
☐	Tank cross-section, right, high	0P4HD
☐	Tanks, right, higher position	0P4HB
☐	Fuel tank cap, lockable for master key system	0P4H5
☐	Filter screen for fuel tank filler neck	0P1EM
☐	Fuel pre-filter position on the battery box	0PIW9

Frame attachments

☐	Without underride protection, front	0P1FM
☐	Working platform, with step	0P0VE

☐	Underride protection, side, only left (e.g. for tankers)	0P1FI
☐	Spare wheel, provisionally mounted	0P1GR
☐	Final cross member, with hole pattern 160 x 100 mm	0P1SB
☐	Without underride protection, rear	0P1FB
☐	Wheel chock, one unit, without retaining device, delivered loose	0P6WW
☐	Without body attachment brackets/thrust plates	0P0X6

Pneumatic brakes, compressed-air generation, brake system

☐	Air compressor, 1-cylinder, 360 ccm	0P0AF
☐	Air dryer, heated	0P0B2
☐	Compressed-air treatment, electronically controlled	0P0AA
☐	Steel compressed-air tank	0P0XH
☐	Electronic brake system (EBS)	0P0BL
☐	Anti-lock braking system (ABS)	0P0BE
☐	Full brake assistant	0P0CM
☐	Without preparation for EBS Full control unit	0PHPM
☐	MAN EVB high-performance engine brake	0P0BV
☐	Drum brakes on front axle	0P1IA
☐	Drum brakes on rear axle	0P1I5
☐	Parking brake control, next to driver's seat	0P3KH
☐	Parking brake with spring-type actuator on rear axles (incl. leading axle/ trailing axle)	0PGBL
☐	Anti-jackknifing brake, manual, can be operated next to driver's seat	0P0CJ

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

☐	Rear lights	0P2AQ
☐	Emergency braking signal, hazard light activation, automatic	0P0CG
☐	Acoust. Reversing warning system when reverse gear selected	0P3CD
☐	Light function test	0P2AD
☐	Side marker lights, LED	0P2BJ

Driveline/running gear

Engine, radiator

☐	MAN D2676 LF04 diesel engine (ODm), 324 kW (440 HP) power, 2,100 Nm torque, Euro 2	0P6BP
☐	Fuel filter, for fuels up to Cleanliness Class 25	0PHII
☐	Fuel pre-filter, with water trap, with water sensor	0P4XO
☐	Without torque reduction	0P0G5
☐	Ventilation, crankcase, closed	0P8PM
☐	Anti-noise skirt, engine	0P2E7
☐	Engine radiator Visco fan, high cooling output	0P0H0
☐	Engine cooler, extended	0P4XY
☐	Front radiator protection, grille	0P1VP
☐	Engine oil dipstick and digital oil level gauge	0P0B6
☐	Warning message for engine coolant level, with advance warning	0P0KA
☐	Antifreeze, down to -32 °C	0P0AK
☐	Cover for intercooler	0P1X4
☐	Service product level indicator and intake system vacuum	0P3KT

Gearbox, clutch

☐	Manually operated gearbox, MAN 16.25 OD	0P5VL
☐	Gearbox for increased percentage of overrun during driving operation	0PGCL
☐	Manual gearbox operation, single-H, group/split switch	0P3KL
☐	Single-disc clutch, 430 mm, dry, reinforced (LongLife)	0P0DW
☐	Main propshaft, 17,000 Nm functional limit torque	0PKZH
☐	Propshafts with standard grease, cannot be lubricated	0PKZL

Wheels, tyres

☐	Required tyre speed index K	0PFW3
☐	Tyres for front axle, Goodyear 315/80R22.5 OMNITRAC S Steering-Road+Offroad TL	0PGJP
☐	Rim type, front axle, steel, single-part	0P0P0
☐	Rim size, front axle, 10-hole, 9.00x22.5	0P0NI
☐	Wheel nut cover ring, front axle	0P0PR
☐	Tyres for rear axle, Goodyear 315/80R22.5 OMNITRAC D Drive-Road+Offroad TL	0PGFT
☐	Rim type, rear axle, steel, single-part	0P00O
☐	Rim size, rear axle, 10-hole, 9.00x22.5	0P0MU
☐	Spare wheel, in accordance with configuration for rear axle tyres	0P0MF
☐	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 HP-1352, 13,000 kg, planetary axle without drive-through, straight, not steered, not liftable	0PIY5
☐	Twin tyre on rear axle	0P1HN
☐	Mudguard, rear axle, upper shell removable	0P1AM
☐	Splash guard mat on mudguard, rear axle, longer at bottom	0P1XK
☐	Axle ratio, $i = 3.63$	0P0CZ
☐	Differential locks on driven rear axles	0P0DI
☐	Without differential locks, front axles	0P0DL

Axle control system and suspension

☐	Suspension type for front axles and driven rear axles, leaf/leaf (BB)	0P2YB
☐	Leaf-spring suspension on front axle, parabolic, 2-leaf, steel	0P1JD
☐	Leaf-spring suspension on rear axle, parabolic, 5-leaf, steel	0P1J2
☐	Spring load-bearing capacity front axle 9,000 kg	0P4YB
☐	Spring load-bearing capacity of rear axle, 16,000 kg	0P5BW
☐	Shock absorbers on front axle	0P1M4
☐	Shock absorbers on rear axle	0P1LQ
☐	Stabiliser, front axle	0P1LD
☐	Stabiliser, rear axle	0P1LA
☐	Axle location system not as wishbone	0P6ZY

- ❑ Without air suspension control, trailer/semitrailer

0PHN2

Cab

Cab and cab exterior

❑ TN cab: the flexible one (narrow, long, normal height)	0P2DF
❑ Cab mount, Comfort	0P1V9
❑ Cab tilt mechanism, manual	0P1V6
❑ Tilting roof, mechanical	0P1VW
❑ Bumper, plastic	0P1SD
❑ Front step, integrated, with grab option	0P1VE
❑ Windscreen, composite safety glass, tinted	0P1X0
❑ Sunblind, in front of windscreen	0P1WK
❑ Wiper system for windscreen	0P1WG
❑ Wiper activation, manual	0P1UL
❑ Step unit, rigid	0P1UZ
❑ Central locking, no remote control	0P1WS
❑ Vehicle key, 2 units	0P3JT
❑ No door extension	0P1WV
❑ Door labelling, according to trade tonnage of vehicle	0P2DQ
❑ Door windows, tinted	0P1WO
❑ Door window, safety glass	0P1WM
❑ Cab rear wall, no window	0P1VD

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

❑ H7 package Plus, front headlights, fog lights, cornering light	0PKWR
❑ Front headlights, H7	0P1ZN
❑ Daytime driving lights, LED	0P2BP
❑ Fog lights, H7	0P2AH
❑ Cornering light, H7	0P1YF
❑ Turn signal lights, sides, bulb	0P1Z6
❑ Headlight beam regulator, manual	0P2AC
❑ Driving-light control, manual	0P1ZF
❑ Contour lights, LED, 2 units	0P2BS
❑ Horn, two-tone, electrical	0P1W1
❑ Spotlight, 1 unit, cab roof, left	0P1YK
❑ Spotlight, LED, white	0PJQA
❑ Switch for spotlight/manoeuvring light	0P5U5
❑ Without revolving beacons at the rear of the vehicle	0PJRO

Mirrors and mirror replacements

❑ Mirror package, exterior rear-view mirror, electrically adjustable, heated, front mirror, kerb mirror, right	0PKW2
❑ Exterior rear-view mirror, electrically adjustable with manoeuvring aid	0P2CB
❑ Kerb mirror, right, electrically adjustable	0P2CG
❑ Front mirror, mechanical adjustment	0P2CJ
❑ Mirror housing, not painted	0P2CP
❑ Vehicle components, suitable for body width larger than 2,400 mm to 2,600 mm	0P2CT

Seats

☐	Seat covers, fabric, standard	0P2PQ
☐	Plus driver's seat package, air-sprung	0PKXF
☐	Comfort driver's seat, air-sprung	0P2P2
☐	Basic co-driver's seat package, unsprung, fore-and-aft and backrest adjustment	0PKTY
☐	Co-driver's seat, not sprung, length and backrest adjustment	0P2OQ
☐	Seat belt indicator, driver's side, acoustic and visual	0P2NB

Driver's workplace

☐	Multi-function steering wheel, adjustable height and angle	0P2GD
☐	Steering wheel, with parking position	0P2GE
☐	Steering lock	0P3JZ
☐	Professional instrumentation, 12.3"	0P3L2
☐	Digital tachograph, CONTINENTAL	0P2KQ
☐	Tachograph, calibrated	0P2KG
☐	Stowage compartment, open with two USB sockets, 5 V, charging only, to the right of climate control panel	0PGT7
☐	Cigarette lighter	0P2IH
☐	Single DIN slots, 4 units, roof space, front	0P2FJ
☐	Without storage tray next to seat	0PJRS

Cab air-conditioning system

☐	Air-conditioning system, manual	0P2NU
☐	Pre-separator (cyclone filter) for interior air intake	0P2O7

Bunk area

☐	1 bunk, 70 mm mattress, with storage nets	0PKNC
☐	Bunk, bottom, with slatted support	0P2GX
☐	Fabric cover for bottom bunk	0P2I5
☐	Bunk mattress, bottom, 70 mm	0P2GL
☐	Net, left, at bottom bunk	0P2EI
☐	Net, right, at bottom bunk	0P2EO
☐	Cross-cab curtain, rear seats	0P2GP
☐	Storage box, rear, left, accessible from outside with flap and from inside with suspended tray	0P2H1
☐	Storage box, rear, right, accessible from outside with flap and from inside with suspended tray	0P2H5

Cab interior

☐	Dark Moon Grey with silver colour scheme for cab interior	0PKFZ
☐	Interior styling analogous to colour scheme	0PGBT
☐	Driver's workplace package with roller blind, driver's side	0PKUB
☐	Windscreen roller blind, internal	0P2FE
☐	Roller blind for door windows, internal, mechanical, driver's side	0P2FH
☐	Interior light, reading light (driver's side)	0PKMY
☐	Interior light, central	0PHA6
☐	Reading light, 1 unit, driver's side	0P2IQ
☐	Entry lighting	0P2IO
☐	Entry handles, standard	0PHPK
☐	All-round curtain	0P2GS
☐	Door interior cladding, washable	0P2IA

☐	Storage and stowage compartment package Basic, storage space under bunk, storage box accessible from outside	0PKWB
☐	Net, cab rear wall	0P2F0
☐	Storage, instrument panel in middle section, open	0P2HK
☐	Storage compartment, below the bunk, with bulkhead	0P2HH
☐	Grab handle, above door, internal, 2 units, 1 right and 1 left	0P2G2

Accessories and tools

☐	Accessories and tools	0PKXC
☐	Vehicle toolkit	0P2TX
☐	First aid kit	0P3F3
☐	Warning triangle, 1 units	0P3FI
☐	Window cleaning set	0P3CI
☐	Compressed-air connection, cab	0P2FL
☐	Jack, 25,000 kg	0P3F9

Intelligent Truck

Assistance systems

☐	Anti-slip control (ASR)	0P1T2
☐	Tempomat (cruise control, CC)	0P1TR
☐	Road speed limiter, adjustable, limiter (engine speed regulation)	0P0C3
☐	Without advanced emergency braking system	0P1U5
☐	Without driving fitness detection system	0PHN5
☐	Without Front Detection	0PHNA
☐	Without traffic sign recognition	0PHNE
☐	Without Reversing Motion System	0PHNV
☐	Without distance warning system	0PKA0
☐	Without MAN SafeStop Assist	0PLB5

Infotainment (radio,...)

☐	MMT infotainment system, Starter High	0P2M2
☐	MAN loudspeaker system	0P2MF
☐	No navigation map	0P2N2
☐	Arabic additionally for display	0P2JL

Bodies/interfaces

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

☐	2-line semitrailer brake connection, behind cab, spiral cable with standard coupling	0P1O2
☐	Trailer socket behind cab, 24 V, 15-pin	0P1P9
☐	Spiral cable to semitrailer, electr., one unit, for trailer socket behind cab, 24-V, 15-pin to 15-pin	0P8NY
☐	Y-spiral line to semitrailer, electr., for trailer sockets behind cab, 24 V, 15 pin to 7+7 pin	0P1QO
☐	Spiral cable to semitrailer, electric, for trailer socket ABS, behind cab	0P8O1
☐	Fifth-wheel pick-up plate installation height, 40 mm (up to max. 20,000 kg fifth-wheel coupling load)	0P1Q3
☐	JOST JSK 37 C 2" fifth-wheel coupling	0P1RM
☐	Kingpin, 2" diameter	0P1RY

☐	Manufacturer of fifth-wheel coupling: Jost	0PBY1
☐	Fifth-wheel coupling installation height, 185 mm	0P1PS
☐	Fifth-wheel coupling, manual lubrication	0P6XR
☐	Rubber joint bearing, fifth-wheel coupling	0PBY6
☐	Fifth-wheel coupling actuation, normal handle	0P1QI
☐	Without sensing of the fifth-wheel coupling	0PHN7
☐	Fifth-wheel lead, 425 mm	0P5BC
☐	Vehicle configuration for semitrailer	0P0XX

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

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

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

☐	Interface for data exchange with tipper and engine speed. (ZDR), front area FHS and behind FHS	0PKNU
☐	Interface for vehicle data (FMS)	0P2J3

PTOs

☐	Without PTO, engine-dependent (direction of rotation)	0P4P8
☐	Without fan wheel for PTO, gearbox-dependent	0P4VR
☐	Preparation, electr., for subsequent installation of a shiftable PTO, gearbox-dependent	0P4OI
☐	Sector-specific parameterisation, general	0P4X0

Towing, recovery and lashing

☐	Screw-in towing lug, vehicle front	0P1MR
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Paintworks

Paintwork, cab, top

☐	Top coating, cab	0P6YB
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Paintwork, cab, bottom

☐	Textured coating, step units	0P6X9
☐	Textured coating, mudguard, behind cab	0P6YG
☐	Textured coating, bumper, plastic	0P6YP

Paintwork, chassis

☐	Without additional top coating on chassis	0PJTK
☐	Top coating, rims, steel, white-aluminium	0P6YL

Colour

☐	Top coating, cab	PURE WHITE RAL 9010	N
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Technical data: TGS 22.440 4x2 BB SA / L03JAA02

Vehicle type: Vehicle type Semitrailer tractor (SA)

Cab: TN cab: the flexible one (narrow, long, normal height)

Drive Type: 4x2

Weights/loads		kg
TD026	Chassis weight with cab	7643
TD027	Chassis weight, front	5077
TD028	Chassis weight, rear	2566
TD029	Payload	11357
TD018	Statutorily permissible gross vehicle weight	19000
TD025	Technically permissible gross vehicle weight	19000
TD031	Statutorily permissible gross train weight	40000
TD032	Statutorily permissible trailer load	0

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

Circle dimensions		m
TD055	Track circle diameter	13.8
TD056	Wall-to-wall turning circle diameter	15.7

Lengths		mm
TD071	Total length	6640.0
TD063	Front vehicle overhang	1605.0
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	1025.0
TD072	Distance from first front axle to body	865.0
TD067	Distance to kingpin from front axle, nominal position	3475.0
TD074	Slew radius, front	2510.0
TD075	Slew radius, rear	1658.0
TD068	Coupling length	6474.0

Heights		mm
TD033	Maximum external height, unladen	3286.0
TD082	Total transport height, unladen	3286.0
TD034	Maximum external height, laden	3202.0
TD035	Frame height at theoretical rear wheelbase, unladen	1226.0
TD036	Frame height at theoretical rear wheelbase, laden	1075.0
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	1454.0
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TD052	Height of fifth-wheel coupling above ground, laden	1303.0
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Widths		mm
TD008	Width included rearview mirror	2981.0
TD001	Width over cab	2240.0