



Vehicle description for: TGM 18.320 4x4 BB CH



Illustration can deviate

Vehicle standards

Product family	The new MAN Truck Generation
Model & Variant	TGM 18.320 4x4 BB CH
Emission class	EURO5
Engine family	D08R6
Engine output	235 kW
Batteries number	0
Vehicle type	Vehicle type, platform truck and chassis (LK)
Cab	Compact CC cab
Main wheel distance	4200 mm
Overhang	2125 mm
Steering configuration	Left

Vertical Load

	National Registration	Technical Load
Gross weight	18,000 kg	18,000 kg
Front axle	7,500 kg	7,500 kg
Rear axle	11,500 kg	11,500 kg

Horizontal Load

	National Registration	Technical Load
Gross train weight	0 kg	0 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"/>	Vehicle version for public service deployment	0P0H7
<input type="checkbox"/>	Chassis	0P2U9
<input type="checkbox"/>	Chassis class, light/medium	0P2UB
<input type="checkbox"/>	Merchant tonnage 18 t	0P8LF
<input type="checkbox"/>	Basic layout of vehicle, all-round	0PGCU
<input type="checkbox"/>	Frame type, high	0P2TP
<input type="checkbox"/>	Vehicle type, platform truck and chassis (LK)	0P2UQ
<input type="checkbox"/>	Left-hand-drive	0P3AS
<input type="checkbox"/>	Right-hand traffic	0P3F5
<input type="checkbox"/>	Vehicle documents in English	0P2L7
<input type="checkbox"/>	Labelling in English	0P8NM
<input type="checkbox"/>	Cab position 480 mm (distance from frame lower edge to cab floor)	0PHBC

Registration

<input type="checkbox"/>	Vehicle approval, N3G class	0P3JS
<input type="checkbox"/>	Maximum speed limiter, 100 km/h, electronic, engine speed regulation	0P2UD
<input type="checkbox"/>	Maximum vehicle noise level, 82 dB in acc. with UN/ECE-R 51.02	0PIND
<input type="checkbox"/>	Height over cab, unloaded up to 4,000 mm	0PHA1
<input type="checkbox"/>	Vehicle classification in accordance with regulation (EU) 2018/858	0PKAW

Documents

<input type="checkbox"/>	Data confirmation, international	0P3AO
<input type="checkbox"/>	European standard exhaust emission confirmation	0P2Q7
<input type="checkbox"/>	Confirmation of year of manufacture	0P2TT
<input type="checkbox"/>	Without registration documentation, national	0P3B0
<input type="checkbox"/>	Special confirmation, heavy load / municipal operation	0P3CK

Application scope / transport tasks

<input type="checkbox"/>	Fire service/emergency services	0P6WN
<input type="checkbox"/>	Increase of the tyre load capacity by 10% (for communal supplement)	0P0UU
<input type="checkbox"/>	190 Fire service vehicle, miscellaneous	0P2RH
<input type="checkbox"/>	Temperature range, vehicle deployment, warm country	0PHIB
<input type="checkbox"/>	Case hardness of final drive Distribution	0P4F0
<input type="checkbox"/>	Oil sump for gradeability, up to 30%	0P4F3

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"/>	18,000 kg permitted gross load, vertical, nat. appr.	0P5PB
<input type="checkbox"/>	18,000 kg permitted gross load, vertical, tech.	0P5S4
<input type="checkbox"/>	18,000 kg permitted gross load, vertical, tech. Plus	0P8GQ
<input type="checkbox"/>	7,500 kg permitted load on front axle, nat. appr.	0P5KR



<input type="checkbox"/>	7,500 kg permitted load on front axle, tech.	0P5LL
<input type="checkbox"/>	7,500 kg permitted load on front axle, tech. Plus	0P8D1
<input type="checkbox"/>	11,500 kg permitted load on rear axle NatZu	0P5G7
<input type="checkbox"/>	11,500 kg permitted load on rear axle, tech.	0P5IJ
<input type="checkbox"/>	11,500 kg permitted load on rear axle, tech. Plus	0P8BN
<input type="checkbox"/>	0kN D value	0P8XD

Notification texts

<input type="checkbox"/>	Note: Max. 24,000 kg tech. permitted gross weight with engaged off-road reduction ratio in transfer case	0PFZR
<input type="checkbox"/>	Increased. Wear and reduction in service life of propshafts, regular checks necessary	0PJRU

Chassis

Vehicle frame (wheelbase, overhang, ...)

<input type="checkbox"/>	Main wheelbase, 4,200 mm	0P2ZQ
<input type="checkbox"/>	Frame overhang, rear, 2,125 mm	0P3DL
<input type="checkbox"/>	Main frame side member thickness, 8 mm	0P0Y6
<input type="checkbox"/>	Vehicle rear, straight end of frame	0P0XT

Exhaust system, air intake

<input type="checkbox"/>	Exhaust silencer, side, right	0P1BH
<input type="checkbox"/>	Exhaust tailpipe, towards middle of frame	0P1BT
<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"/>	Three-phase alternator 28 V, 120 A, 3,360 W, Longlife Eco	0P1BW
<input type="checkbox"/>	Medium battery box, 2 batteries	0P0WU
<input type="checkbox"/>	Battery box, left	0P0WO
<input type="checkbox"/>	Main battery switch, mechanical	0P0WF
<input type="checkbox"/>	Fuses	0P1V1

Tanks and fuel line

<input type="checkbox"/>	Fuel tank capacity 150 l, right	0P4DZ
<input type="checkbox"/>	Fuel tank, right, steel	0P4GN
<input type="checkbox"/>	Tank cross-section, right, low	0P4HF
<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 on the frame	0PKN2

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"/>	Without body attachment brackets/thrust plates	0P0X6

Pneumatic brakes, compressed-air generation, brake system

<input type="checkbox"/>	Air compressor, 1-cylinder, 238 ccm	0P0AD
<input type="checkbox"/>	Air dryer, heated	0P0B2
<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)	0P0BE
<input type="checkbox"/>	Full brake assistant	0P0CM
<input type="checkbox"/>	Without preparation for EBS Full control unit	0PHPM
<input type="checkbox"/>	Engine brake, exhaust flap	0P0BU
<input type="checkbox"/>	Drum brakes on front axle	0P1IA
<input type="checkbox"/>	Drum brakes on rear axle	0P1I5
<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

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

<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"/>	No side marker lights	0P2BK

Driveline/running gear

Engine, radiator

<input type="checkbox"/>	Diesel engine MAN D0836 LFL91, 235 kW (320 hp) output, 1,250 Nm torque, Euro 5	0P5YJ
<input type="checkbox"/>	Fuel filter, heated, for fuels up to Cleanliness Class 21	0PHIF
<input type="checkbox"/>	Fuel pre-filter, with oil separator/water trap, heated	0P0AU
<input type="checkbox"/>	Without torque reduction	0P0G5
<input type="checkbox"/>	Engine dry-air filter, with safety insert	0P0B8
<input type="checkbox"/>	Ventilation, crankcase, closed	0P8PM
<input type="checkbox"/>	Anti-noise skirt, engine	0P2E7
<input type="checkbox"/>	Fan control for start of cooling with low coolant temperature (e.g. hot country)	0P0K5
<input type="checkbox"/>	Engine cooler, normal length	0P4XX
<input type="checkbox"/>	Radiator protection, lower	0P1XE
<input type="checkbox"/>	Engine oil dipstick and digital oil level gauge	0P0B6
<input type="checkbox"/>	Antifreeze, down to -32 °C	0P0AK
<input type="checkbox"/>	Service product level indicator and intake system vacuum	0P3KT

Gearbox, clutch

<input type="checkbox"/>	Manually operated gearbox, MAN 09.13 OD	0P5VE
<input type="checkbox"/>	Gearbox for normal percentage of overrun during driving operation	0PGDA
<input type="checkbox"/>	Manual gearbox operation, Single-H, group switch	0P3KM
<input type="checkbox"/>	Transfer case MAN G102 with on-road and off-road gear	0P4XH



- Transfer case lock management, electronic (VSM) 0P0FU
- Single-disc clutch, 395 mm, dry 0P0DS

Wheels, tyres

- Required tyre speed index K 0PFW3
- Front axle tyres Goodyear 295/80R22.5 KMAX S CARGO Steering-Short-haul TL (CCC) 0PGX2
- Rim type, front axle, steel, single-part 0P0P0
- Rim size, front axle, 10-hole, 8.25x22.5 0P0NE
- Wheel nut caps, front axle 0P0PS
- Rear axle tyres Goodyear 295/80R22.5 KMAX D CARGO Drive-Short-haul TL (CCC) 0PGV7
- Rim type, rear axle, steel, single-part 0P0O0
- Rim size, rear axle, 10-hole, 8.25x22.5 0P0MQ
- 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

- 4x4 0P3B2
- Steering ratio, standard 0P1JX
- Steering oil tank with dipstick 0P1JW
- Front axle, 9,000 kg, planetary axle without drive shaft, straight, steered, not liftable 0P5ES
- Front axle as planetary axle, driven, permanent 0P1GX
- Mudguard, front axle 0P1AT
- Rear axle, 13,000 kg, planetary axle without drive shaft, straight, not steered, not liftable 0P4ZN
- Twin tyre on rear axle 0P1HN
- Axle ratio, $i = 5.33$ 0P0DD
- 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, 4-leaf, steel 0PGBF
- Spring load-bearing capacity front axle 7,500 kg 0P5CZ
- Spring load-bearing capacity of rear axle, 11,500 kg 0P5BT
- 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

- Compact CC cab 0P2DK
- Cab mount, Basic 0P1V8
- Cab tilt mechanism, manual 0P1V6



<input type="checkbox"/>	No tilting roof/sliding roof	0P1VY
<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"/>	Door locking, manual	0P1WP
<input type="checkbox"/>	Vehicle key, 4 units	0P3JU
<input type="checkbox"/>	No door extension	0P1WW
<input type="checkbox"/>	Door labelling, according to trade tonnage of vehicle	0P2DQ
<input type="checkbox"/>	Door windows, tinted	0P1W0
<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, ...)

<input type="checkbox"/>	Without light and headlight package	0PKWU
<input type="checkbox"/>	Front headlights, H7	0P1ZN
<input type="checkbox"/>	Daytime driving lights, H7	0P2BN
<input type="checkbox"/>	Turn signal lights, sides, bulb	0P1Z6
<input type="checkbox"/>	Headlight beam regulator, manual	0P2AC
<input type="checkbox"/>	Driving-light control, manual	0P1ZF
<input type="checkbox"/>	Contour lights, bulb, 2 units	0P2BT
<input type="checkbox"/>	Horn, single-tone, electrical	0P1W0
<input type="checkbox"/>	Without revolving beacons at the rear of the vehicle	0PJRO

Mirrors and mirror replacements

<input type="checkbox"/>	Without mirror package	0PKWV
<input type="checkbox"/>	Exterior rear-view mirror, mechanically adjustable	0P2CC
<input type="checkbox"/>	Kerb mirror, right, mechanically adjustable	0P2CH
<input type="checkbox"/>	Front mirror, mechanical adjustment	0P2CJ
<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

Seats

<input type="checkbox"/>	Seat covers, fabric, standard	0P2PQ
<input type="checkbox"/>	Without driver's seat package	0PKXV
<input type="checkbox"/>	Driver's seat, not sprung, length, height and backrest adjustment	0P2P8
<input type="checkbox"/>	Without co-driver's seat package	0PKXU
<input type="checkbox"/>	Co-driver's seat, not sprung, length and backrest adjustment	0P2OQ
<input type="checkbox"/>	Seat belt indicator, driver's side, acoustic and visual	0P2NB

Driver's workplace

<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"/>	Tachograph Simulation Unit (TSU), instead of tachograph	0P2KY



<input type="checkbox"/>	Tachograph, calibrated	0P2KG
<input type="checkbox"/>	Socket, cab centre, 2 units, 12 V and 24 V	0P2HX
<input type="checkbox"/>	Preparation for radio with CB radio antenna on cab roof	0P2NK
<input type="checkbox"/>	Single DIN slots, 4 units, roof space, front	0P2FJ
<input type="checkbox"/>	Without storage tray next to seat	0PJRS

Cab air-conditioning system

<input type="checkbox"/>	Air-conditioning system, manual	0P2NU
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Cab interior

<input type="checkbox"/>	Colour scheme for interior styling, dark	0P2I6
<input type="checkbox"/>	Interior styling analogous to colour scheme	0PGBT
<input type="checkbox"/>	Without driver's workplace package, Comfort	0PKXT
<input type="checkbox"/>	Windscreen roller blind, internal	0P2FE
<input type="checkbox"/>	Without interior lighting package	0PKNF
<input type="checkbox"/>	Interior light, central	0PHA6
<input type="checkbox"/>	Reading light, 1 unit, driver's side	0P2IQ
<input type="checkbox"/>	Entry lighting	0P2IO
<input type="checkbox"/>	Entry handles, standard	0PHPK
<input type="checkbox"/>	Door interior cladding, washable	0P2IA
<input type="checkbox"/>	Without stowage and storage space package	0PKXS
<input type="checkbox"/>	Grab handle, above door, internal, 2 units, 1 right and 1 left	0P2G2

Accessories and tools

<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
<input type="checkbox"/>	Jack, 10,000 kg	0P3F7
<input type="checkbox"/>	Operator's manual in English, printed, additional	0P2JB

Intelligent Truck

Assistance systems

<input type="checkbox"/>	Tempomat (cruise control, CC)	0P1TR
<input type="checkbox"/>	Without advanced emergency braking system	0P1U5
<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"/>	Radio preparation, 12 V	0P2M4
<input type="checkbox"/>	Loudspeaker, door, 2 units, 1 left and 1 right	0P2ME
<input type="checkbox"/>	No navigation map	0P2N2



Bodies/interfaces

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

<input type="checkbox"/>	Without trailer brake connection behind cab	0P1O3
<input type="checkbox"/>	No fifth-wheel coupling	0P1RJ
<input type="checkbox"/>	Without sensing of the fifth-wheel coupling	0PHN7

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"/>	Without trailer socket for anti-lock brake system (ABS)	0P1O9

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

<input type="checkbox"/>	Interface for external control of the engine intermediate speed (ZDR), behind cab front panel	0P2N9
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PTOs

<input type="checkbox"/>	PTO, gearbox-dependent, type N109/10b, with flange, f=1.90, position approx. 2:30 o'clock	0P4RL
<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"/>	Fan wheel for PTO, gearbox-dependent	0P4VQ
<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
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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

<input type="checkbox"/>	Top coating, chassis	GRAPHITE BLACK RAL 9011	A
<input type="checkbox"/>	Top coating, cab	FLAME RED RAL 3000	N



Technical data: TGM 18.320 4x4 BB CH / L38DAA03

Vehicle type: Vehicle type, platform truck and chassis (LK)

Cab: Compact CC cab

Drive Type: 4x4

Lengths		mm
TD071	Total length	7923.0
TD063	Front vehicle overhang	1582.0
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	2125.0
TD072	Distance from first front axle to body	391.0
TD067	Distance to kingpin from front axle, nominal position	-
TD074	Slew radius, front	-
TD075	Slew radius, rear	-
TD068	Coupling length	7701.0

Widths		mm
TD008	Width included rearview mirror	2981.0
TD001	Width over cab	2240.0

Frame		mm
TD009	Frame width at front	966.0
TD010	Frame width at the rear	866.0
TD078	Frame profile	220 x 70 x 8

Heights		mm
TD033	Maximum external height, unladen	3133.0
TD082	Total transport height, unladen	3133.0
TD034	Maximum external height, laden	3045.0
TD035	Frame height at theoretical rear wheelbase, unladen	1245.0
TD036	Frame height at theoretical rear wheelbase, laden	1118.0
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	-
TD052	Height of fifth-wheel coupling above ground, laden	-

Circle dimensions		m
TD055	Track circle diameter	16.1
TD056	Wall-to-wall turning circle diameter	17.5

Weights/loads		kg
TD026	Chassis weight with cab	6411.0
TD027	Chassis weight, front	---
TD028	Chassis weight, rear	---
TD029	Payload	---

TD018	Statutorily permissible gross vehicle weight	18000
TD025	Technically permissible gross vehicle weight	18000
TD031	Statutorily permissible gross train weight	0
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.