

Vehicle description for: TGM 18.320 4x4 BB CH



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Ve	hic	le	sta	nd	ar	ds

Product family	The new MAN Truck Generation	
Model & Variant	TGM 18.320 4x4 BB CH	
Emission class	EURO6	
Engine family	D08R6	
Engine output	235 kW	
Vehicle type	Vehicle type, platform truck and chassis (LK)	
Body type	190 Fire service vehicle, miscellaneous	
Cab	DN cab: the crew cab (narrow, extra long, normal height)	
Main wheel distance	4500 mm	
Overhang	2325 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	
Trailer Load	16,500 kg	16,500 kg	
Gross train weight	28,000 kg	28,000 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

	c characteristics Vehicle version for public service deployment	0P0H7
_	Destination: Romania (RO)	0P3I4
]	Merchant tonnage 18 t	0P8LF
3	Basic layout of vehicle, all-round	0PGCU
3	Left-hand-drive	0P3AS
3	Right-hand traffic	0P3F5
3	Vehicle documentation in Romanian	0P2LO
_	Labelling in English	0P8NM
3	Cab position 480 mm (distance from frame lower edge to cab floor)	0PHBC
Regi	stration	
3	Vehicle approval, N3G class	0P3JS
3	Maximum speed limiter, 100 km/h, electronic, engine speed regulation	0P2UD
	Regulation (EC) 595/2009, Euro VIe (heavy commercial vehicle emissions) fulfilled	0PJPC
3	Maximum vehicle noise level, 78 dB in acc. with UN/ECE-R 51.03	0P2YJ
3	Height over cab, unloaded up to 4,000 mm	0PHA1
3	Vehicle classification in accordance with regulation (EU) 2018/858	0PKAW
3	UN/ECE-R 141 (tyre pressure monitoring system (TPMS)) fulfilled	0PKYA
3	UN/ECE-R 151 (Blind Spot Information System (BSIS)) fulfilled	0PKYC
_	UN/ECE-R 155 (protection of the vehicle against cyber attacks (CSMS)) fulfilled	0PKYE
_	UN/ECE-R 156 (Software Update Management System (SUMS)) fulfilled	0PKYG
-	UN/ECE-R 158 (reversing assistant) fulfilled	0PKYI
3	Regulation (EU) 2021/1243 (installation facilitation for an alcohol-sensitive immobiliser (Alco-Lock)) fulfilled	0PKYM
_	Regulation (EU) 2021/1958 (Intelligent Speed Assistant (ISA)) fulfilled	0PKYQ
	Regulation (EU) 2021/1341 (Driver Attention and Drowsiness Warning (DDAW)) fulfilled	0PKYO
	UN/ECE-R 159 (collision warning system for pedestrians and cyclists) fulfilled	0PKYK
	uments	00000
_	Registration documentation, international (COC)	0P3AQ
_	European standard exhaust emission confirmation	0P2Q7
_	Confirmation of year of manufacture	0P2TT
3	Without registration documentation, national	0P3B0
Appl	ication scope / transport tasks	
	Fire service/emergency services	0P6WN
	190 Fire service vehicle, miscellaneous	0P2RH
3	Temperate range, vehicle deployment, moderate	0P0G7
_	Case hardness of final drive Distribution	0P4F0
	Fording ability 700mm	0P8P5
	Oil sump for gradeability, up to 30%	0P4F3
Lines	Oil sump for gradeability, up to 30% s, editions and packages Trailer equipment preparation	0P4F3 OPFXN



	Without Individual Lion package	0PJT1
Hori:	zontal and vertical loads	
	18,000 kg permitted gross load, vertical, nat. appr.	0P5PB
	18,000 kg permitted gross load, vertical, tech.	0P5S4
	18,000 kg permitted gross load, vertical, tech. Plus	0P8GQ
Notif	fication texts	
	Note: Restricted steerability with engaged differential lock on front axle	0PFZN
	Note: Max. 24,000 kg tech. permitted gross weight with engaged off-road reduction ratio in transfer case	0PFZR
	Note: Difference of more than 2% in FA/RA rolling circumference may lead to perceptible tension in the driveline.	0PHCX
	Without note (propshaft wear)	0PJRV
Cha	ussis	
Vehi	cle frame (wheelbase, overhang,)	
	Main frame side member thickness, 8 mm	0P0Y6
	Vehicle rear, straight end of frame	0P0XT
Exh	aust system, air intake	
	Exhaust silencer, side, right	0P1BH
	Exhaust tailpipe, towards middle of frame	0P1BT
	Air intake, behind cab, raised	0P0AY
Dotte	ery cases, batteries, alternator	
	2 batteries, 12 V, 150 Ah, standard (SLI), maintenance free	0PHLB
	Three-phase alternator 28 V, 120 A, 3,360 W, LIN	0P1BZ
	24V battery management system	0P1T4
	Small battery box, 2 batteries	0P0WS
	Battery box, left	0P0WO
	Main battery switch, electric	0P0WE
_	Safety cut-out	0P1V2
		· · · · · ·
Tank	ss and fuel line	
	Fuel tank capacity 220 I, right	0P4E2
	Fuel tank, right, steel	0P4GN
	Tank cross-section, right, low	0P4HF
	AdBlue tank capacity 27 l, right	0P4CY
	AdBlue tank, right, plastic	0P4HU
	Fuel tank cap, lockable for master key system	0P4H5
	Cap for AdBlue tank, lockable	0P4GE
	Filter screen for fuel tank filler neck	0P1EM
	Fuel pre-filter on the frame	0PKN2
_	and the bounds	
Fran	ne attachments Without underride protection, front	 0P1FM
	Without underride protection, from Without working platform	0P0VH
u	without working platform	ОРОУП



	Without underride protection, side	0P1FG
	Spare wheel, provisionally mounted	0P1GR
	Underride protection, rear, round	0P1FD
	Wheel chock, 1 unit, with retaining device	0P1FO
	Without body attachment brackets/thrust plates	0P0X6
Pneu	matic brakes, compressed-air generation, brake system	
	Air compressor, single cylinder, 318 ccm, with economy system	0P4Y3
	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), Offroad, with additional off-road logic	0P0BF
	Full brake assistant	0P0CM
	Without preparation for EBS Full control unit	0PHPM
	MAN EVBec high-performance engine brake, stages possible	0P0BW
	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
	MAN EasyStart immobiliser	0P1TF
		G
Liaht	s 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
	• ,	
Driv	eline/running gear	
Engir	ne, radiator	
	Diesel engine MAN D0836 LFLBL, 235 kW (320 hp) output, 1,250 Nm torque, Euro 6e	0PIAH
	Fuel filter, heated, for fuels up to Cleanliness Class 25	0PHIG
	Fuel pre-filter, with oil separator/water trap, with water sensor, heated	0P4XP
	Without torque reduction	0P0G5
	Ventilation, crankcase, closed	0P8PM
	Anti-noise skirt, engine	0P2E7
	Engine cooler, normal length	0P4XX
	Radiator protection, lower	0P1XE
	Engine oil dipstick and digital oil level gauge	0P0B6
	Antifreeze, down to -32 ℃	0P0AK
	Flame-start system	0P0GD
	Cover for intercooler	0P1X4
_	Coolant pre-heater, with external 220 V connection, without electric wiring	0P0GV
_	Service product level indicator and intake system vacuum	0P3KT
_	Stationary regeneration for catalytic converter, executable at any time, for light loads	0PGCM
_	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	



	MAN PowerMatic 08.13 OD	0PHMK
-	Gearbox for normal percentage of overrun during driving operation	0PGDA
3	Gearbox, 8-speed	0PHML
3	MAN TipMatic actuation, with drop arm, manual (DNR option, switching strategy option)	0P3KI
3	MAN Idle Speed Driving gearbox function	0P0ER
3	MAN TipMatic Efficiency driving program, up to 70,000 kg	0P0FA
3	MAN TipMatic Offroad gearbox shift strategy, up to 70,000 kg	0P0F4
-	Transfer case MAN G103 with on-road and off-road gear, neutral position	0P4XI
-	Transfer case lock management, electronic (VSM)	0P0FU
9	Without drive clutch	0PIXX
-	Main propshaft, 14,000 Nm functional limit torque	0PKZG
_	Propshafts with standard grease, cannot be lubricated	0PKZL
	Gearbox heat exchanger	0P0FW
Nhe	eels, tyres	
	Required tyre speed index K	0PFW3
3	Tyres front axle Continental 315/80R22.5 CROSS TRAC HS3 steer S+G TL	0PEYV
3	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
	Rear axle tyres Continental 315/80R22.5 CROSS TRAC HD3 Drive-S+G TL	0PDSR
	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 pressure monitoring system (TPM) with display of tyre temperature	0PJT7
	Tyre pressure monitor for trailers	0P2N6
	Tyre inflation hose, 20 m, with pressure gauge	0P1UA
	Centring sleeves for rim mounting	0PHZW
Axle		
_	Steering ratio, standard	0P1JX
_	Steering oil tank with electrical measuring sensor	0P1JV
_	Front axle, 9,000 kg, planetary axle without drive shaft, straight, steered, not liftable	0P5ES
	Mudguard, front axle	0P1AT
_	Rear axle HP-1333, 13,000 kg, planetary axle without drive-through, straight, not steered, not liftable	0PIY4
-	Transfer mudguard, rear axle	0P1AQ
	Axle ratio, i = 4.83	0P0DA
	Differential locks on driven rear axles	0P0DI
	Differential locks on driven front axles	0P0DK
	Warning buzzer when front axle locks are engaged	0P0DQ
	control system and suspension	
	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
_		

Front mirror, mechanical adjustment



0P2CJ

	Stabiliser, front axle	0P1LD
	Stabiliser, rear axle	0P1LA
	Axle location system not as wishbone	0P6ZY
	Without air suspension control, trailer/semitrailer	0PHN2
	William all casponolor control, adianocontralano	0111112
Cab		
0-6	and ask subsides	
Cab	and cab exterior DN cab: the crew cab (narrow, extra long, normal height)	0P2DE
_	Cab mount, Comfort	0P1V9
_	Cab tilt mechanism, manual	0P1V6
_	Tilting roof, mechanical	0P1VW
_	-	0P1SG
	Bumper, steel, 3 pieces	
_	Front step, integrated, with grab option	0P1VE
	Windscreen, composite safety glass, tinted and heated	0P1X1
_	Wiper system for windscreen	0P1WG
	Wiper activation, manual	0P1UL
	Step unit, hinged	0P1V0
	Central locking, no remote control	0P1WS
	Vehicle key, 4 units	0P3JU
	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
Light	s and acoustic signals on cab exterior (headlights, horn,)	
	H7 package, front headlights, fog lights	0PKWS
	Front headlights, H7	0P1ZN
	Stone protection for front headlights, guard, wide mesh	0P1ZT
_	Daytime driving lights, H7	0P2BN
_	Fog lights, H7	0P2AH
_	Turn signal lights, sides, bulb	0P1Z6
_	Headlight beam regulator, manual	0P2AC
_	Driving-light control, manual	0P1ZF
		0P2BS
	Contour lights, LED, 2 units	
	Horn, single-tone, electrical	0P1W0
	Preparation for revolving beacons (wiring)	0P2BF
_	2 revolving beacons on cab roof, 1 right and 1 left	0P2B3
	Preparation for loading area lighting	0P2A5
	Without revolving beacons at the rear of the vehicle	0PJRO
Mirro	ors and mirror replacements	
	Mirror package, exterior rear-view mirror, electrically adjustable, heated, front mirror, kerb	0PKW2
_	mirror, right	00000
	Exterior rear-view mirror, electrically adjustable with manoeuvring aid	0P2CB
	Kerb mirror, right, electrically adjustable	0P2CG



_	Mirror housing, not painted	0P2CP
_	Vehicle components, suitable for body width larger than 2,400 mm to 2,600 mm	0P2CT
	•	
	Preparation for rear-view camera, 1 unit, camera linked to reverse gear	0P2D1
Seats	3	
	Seat covers, fabric, standard	0P2PQ
	Plus driver's seat package, air-sprung, belt height adjustment	0PKXG
	Comfort driver's seat, air-sprung	0P2P2
	Adjustment of seat belt height, driver's seat	0P4XQ
	Basic co-driver's seat package, unsprung, with storage box	0PKTZ
	Co-driver's seat, not sprung, with storage box	0P2OO
	Storage space, in seat bracket of co-driver's seat	0P2Q6
	Rear bench seat for 4 persons	0P2Q2
	Indicator, seat belt, 1st row of seats, acoustic and visual	0P8L1
Drive	r'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
	Tachograph Simulation Unit (TSU), instead of tachograph	0P2KY
	Tachograph, calibrated	0P2KG
	Socket, cab centre, 2 units, 12 V and 24 V	0P2HX
	Control panel MAN EasyControl Engine, 2 functions, operable from outside with door open	0PGB5
	Preparation for radio with radio-telephone antenna for 2-m band or multi-channel radio on cab roof	0P2NL
	Single DIN slots, 4 units, roof space, front	0P2FJ
	Without storage tray next to seat	0PJRS
Cab a	air-conditioning system Air-conditioning system, Climatronic	OP2NT
		0P2O2
	Auxiliary water heater 4 kW (night heater)	UP2O2
Bunk		
	Without bunk area	0PKFY
<u>Ca</u> b i	nterior	
	Colour scheme for interior styling, dark	0P2I6
	Interior styling analogous to colour scheme	0PGBT
	Basic driver's workplace package	0PKPN
	Windscreen roller blind, internal	0P2FE
	Interior light, reading light (both sides)	0PKMZ
	Interior light, central	0PHA6
	Reading light, 2 units, 1 on driver's side and 1 on co-driver's side	0P2IR
	Entry lighting	0P2IO
	Entry handles, standard	0PHPK
	Door interior cladding, washable	0P2IA
	Drawer in middle section	0PKWC
	Drawer, 1 unit, instrument panel in middle section	0P2HJ
		0P2ES



	Grab handle, above door, internal, 2 units, 1 right and 1 left	0P2G2
_	Grab handles on cab roof interior, rear	0P8QG
_	Grab Harrides of Cab foot interior, Teal	01 000
Acce	essories and tools	
	Accessories and tools Plus	0PKXD
	Vehicle toolkit	0P2TX
	First aid kit	0P3F3
	Warning triangle, 1 units	0P3FI
	Window cleaning set	0P3CI
	Hazard warning light, 1 units, with continuous light function	0P3FF
	Jack, 12,000 kg	0P3F8
Intel	ligent Truck	
Assis	stance systems	
	Electronic Stability Program (ESP)	0P1TN
	Anti-slip control (ASR)	0P1T2
	Tempomat (cruise control, CC)	0P1TR
	Road speed limiter, adjustable, limiter (engine speed regulation)	0P0C3
	Advanced Emergency Brake Assist (EBA)	0P1U3
	Turn assist	0P4FE
	MAN AttentionGuard, cannot be deactivated	0PKED
	Preparation for Alcohol Interlock, cannot be bypassed	0PHN3
	Front Detection, can be deactivated	0PHMY
	Traffic sign recognition	0PHND
	Reversing Motion System	0PHNW
	Without distance warning system	0PKA0
	Without MAN SafeStop Assist	0PLB5
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Infota	ainment (radio,)	
	MMT infotainment system, Advanced Mid	0P2M0
	MAN sound system	0P2MG
	Europe and Russia navigation map	0P2MX
	Online traffic for navigation function	0P2N4
	Connectivity Board module	0P2MO
	Smartphone integration	0P2NE
	MAN app integration	0P2MC
Б	San Professional	
Воа	ies/interfaces	
Interf	faces to semitrailer (e.g. fifth-wheel coupling, brake connection,)	
	Without trailer brake connection behind cab	0P1O3
	No fifth-wheel coupling	0P1RJ
	Without sensing of the fifth-wheel coupling	0PHN7
	faces to trailer (e.g. trailer coupling, brake connections,)	ODANE
	Trailer coupling at final cross member, ROCKINGER type 400 G 150A	0P1NF



	lour	
_		
_		
	Top coating, rims, steel, white-aluminium	0P6YL
	Without additional top coating on chassis	0PJTK
Pair	ntwork, chassis	
3	Textured coating, bumper, steel	0P6YQ
]	Textured coating, mudguard, behind cab	0P6YG
]	Textured coating, step units	0P6X9
	ntwork, cab, bottom	
3	Top coating, cab	0P6YB
² air	ntwork, cab, top	
Pai	ntworks	
3	Central coupling jaw, integrated in bumper/front cross member, with lock pin	0P1MK
ow	ving, recovery and lashing	
	Sector-specific parameterisation, general	0P4X0
3	Function parameters for PTO; gearbox-dependent, driving operation	0P4WP
3	Without fan wheel for PTO, gearbox-dependent	0P4VR
3	PTO, gearbox-dependent, powershift	0PHMM
1	PTO, gearbox-dependent, continuous operation	0P4VJ
3	PTO, gearbox-dependent, Heavy Duty type, with flange, f=1.3, position approx. 3 o'clock	0PHOC
PTC	Os	
	Interface for vehicle data (FMS)	0P2J3
3	Interface for data exch. with body (customer-specific control module) and engine interme speed control (ZDR), front area of cab	diate 0P2NA
3	Interface for body power supply, rear front panel	0P1DD
]	Preparation for engine start/stop facility, at end of frame	0P0K7
	works bodies and interfaces to bodies (e.g. tipper indicator)	
	Trailer socket for anti-lock brake system (ADO), and or maine	01 104
]]	Trailer socket for anti-lock brake system (ABS), end of frame	0P1O4
	Trailer socket, frame end, 24 V, 15-pin Adapter for trailer socket, from 24-V, 15-pin to 12-V, 13-pin, frame end, electric, loose	0P1OM 0P8KR
]	2-line trailer brake connection, end of frame, centre, standard coupling	
3	2-line trailer brake connection, and of frame, centre, standard counling	0P1NZ



Technical data: TGM 18.320 4x4 BB CH / L38DAA04

Cab: D	N cab: the crew cab (narrow, extra long, normation)	al height)
Drive T	ype: 4x4	
Length	ıs	mm
TD071	Total length	8607.0
	Front vehicle overhang	1582.0
	Wheelbase between front axles	0
TD058	Wheelbase between leading axle and rear axle	0
TD059	Wheelbase between rear axles	
	Wheelbase between rear axle and trailing axle	0
TD064	Rear frame overhang	2325.0
	Distance from first front axle to body	1604.0
	Distance to kingpin from front axle, nominal position	-
TD074	Slew radius, front	-
TD075	Slew radius, rear	
TD068	Coupling length	8336.0
Length	is	mm
TD071	Total length	8607.0
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	2325.0
TD072	Distance from first front axle to body	1604.0
TD067	Distance to kingpin from front axle, nominal position	-
TD074	Slew radius, front	
TD075	Slew radius, rear	
TD068	Coupling length	8336.0
Widths	3	mm
TD008	Width included rearview mirror	2981.0
TD001	Width over cab	2240.0
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
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

Height	s	mm
TD033	Maximum external height, unladen	3226.0
TD082	Total transport height, unladen	3226.0
TD034	Maximum external height, laden	3145.0
TD035	Frame height at theoretical rear wheelbase, unladen	1258.0
TD036	Frame height at theoretical rear wheelbase, laden	1131.0
TD045	Raising from driving position, front	0.0
	Lowering from driving position, front	0.0
	Raising from driving position, rear	0.0
	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	-
Height	S	mm
	Maximum external height, unladen	3226.0
	Total transport height, unladen	3226.0
	Maximum external height, laden	3145.0
TD035	Frame height at theoretical rear wheelbase, unladen	1258.0
TD036	Frame height at theoretical rear wheelbase, laden	1131.0
TD045	Raising from driving position, front	0.0
TD046	Lowering from driving position, front	0.0
	Raising from driving position, rear	0.0
	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
	Track circle diameter	16.5
	Wall-to-wall turning circle diameter	18.2
	dimensions Track circle diameter	
		16.5
	Wall-to-wall turning circle diameter	18.2
Weight	s/loads	kg
TD026	Chassis weight with cab	Error:
		204
	Chassis weight, front	4607
	Chassis weight, rear	2329
	Payload	11064
TD018	Statutorily permissible gross vehicle weight	18000
TD025	Technically permissible gross vehicle weight	18000
TD031	Statutorily permissible gross train weight	28000
TD032	Statutorily permissible trailer load	16500
Weight	s/loads	kg
TD026	Chassis weight with cab	Error:
10020	-	204

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.



TD028	Chassis weight, rear	2329
TD029	Payload	11064
TD018	Statutorily permissible gross vehicle weight	18000
TD025	Technically permissible gross vehicle weight	18000
TD031	Statutorily permissible gross train weight	28000
TD032	Statutorily permissible trailer load	16500

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