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PK 14501 SLD Kran-Kipper 06.07.2021

Offer number: 202100297748

Specification for Quotation: 1154-2021-000 TKS "Europe\_08" Aufbau: PK 14501 SLD Kran-Kipper

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# Vehicle description for: TGM 18.320 4x2 BL CH



Illustration can deviate

Vehicle :	standards
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Product family	The new MAN Truck Generation
Variant designation	TGM 18.320 4x2 BL CH
MAN code	Z4UTEWSB
Vehicle type	Vehicle type Tipper with loading crane (KL)
Cab	Compact CC cab
Main wheel distance	3875 mm
Overhang	1125 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	21,000 kg	21,000 kg
Gross train weight	36,000 kg	36,000 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	
	Chassis	0P2U9
	Chassis class, light/medium	0P2UB
	Destination: Germany (DE)	0P3GA
	Merchant tonnage 18 t	0P8LF
	Basic layout of vehicle, all-round	0PGCU
	Frame type, normal height	0P2TS
	Vehicle type Tipper with loading crane (KL)	0P2UO
	Left-hand-drive	0P3AS
	Right-hand traffic	0P3F5
	Vehicle documents in German	0P2L6
	Labelling in German	0P8NL
	Cab position 530 mm (distance from frame lower edge to cab floor)	0PHBD
Regis	tration	
	Vehicle approval, N3 class	0P3JR
	Maximum speed limiter, 89 km/h, tolerance +1 km/h, electronic, engine speed regulation	0P2UJ
	Regulation (EC) 595/2009, Euro VIe (heavy commercial vehicle emissions) fulfilled	0PJPC
	Maximum vehicle noise level, 79 dB in acc. with UN/ECE-R 51.03	0PGTA
	Height over cab, unloaded up to 4,000 mm	0PHA1
Docui	ments	
	Registration documentation, national	0P3AZ
	Acceptance and TÜV (German technical inspectorate) certificate	0PHLD
	L-plate and low-noise acceleration (in acc. with KDV 1967)	0P2E3
Applic	cation scope / transport tasks	
	Construction	0P6WH
	025 Tipper, crane	0P2QJ
	Temperate range, vehicle deployment, moderate	0P0G7
	Case hardness of final drive Distribution	0P4F0
Lines	editions and packages	
	Driver comfort package TGL, TGM, TGS cab	0PFXK
	Trailer equipment preparation	0PFXN
Horiz	ontal 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
	7,500 kg permitted load on front axle, nat. appr.	0P5KR
	7,500 kg permitted load on front axle, tech.	0P5LL
	7,500 kg permitted load on front axle, tech. Plus	0P8D1
	11,500 kg permitted load on rear axle NatZu	0P5G7

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	11,500 kg permitted load on rear axle, tech.	0P5IJ
	11,500 kg permitted load on rear axle, tech. Plus	0P8BN
	36,000 kg permitted gross train weight, national registration	0PBIA
	36,000 kg permissible gross train weight TechH.	0P4YI
	36,000 kg permitted gross train weight, Tech. Plus	0PBO5
_	21,000 kg trailer load, national registration	0P8SO
_	21,000 kg trailer load TechH.	0P8WQ
_	21,000 kg trailer load, technical Plus	0P8UP
_	86kN D value	0P9AQ
_	OOKIA D Value	or one
Notif	ication texts	
	Note: With increased permissible gross weight, increase in wear of driveline and reduced service life	0PFZP
Cha	ssis	
Vehic	cle frame (wheelbase, overhang,)	
	Main wheelbase, 3,875 mm	0P2ZJ
	Frame overhang, rear, 1,125 mm	0P3CV
	Main frame side member thickness, 7 mm	0P0Y5
	Vehicle rear, straight end of frame	0P0XT
	Top coating, chassis	0P6YC
Exha	aust system, air intake	
	Exhaust silencer, side, right, offset to the rear	0P1BI
	Exhaust tailpipe, towards middle of frame	0P1BT
Batte	ery cases, batteries, alternator	
	Battery, 12 V, 175 Ah, 2 units, maintenance free	0P0WA
	Three-phase alternator 28 V, 120 A, 3,360 W, LIN	0P1BZ
	Medium battery box, 2 batteries	0P0WU
	Battery box, left	0P0WO
	Main battery switch, mechanical	0P0WF
	Safety cut-out	0P1V2
Tank	s and fuel line	
	Fuel tank capacity 150 l, right	0P4DZ
	Fuel tank, right, steel	0P4GN
	Tank cross-section, right, low	0P4HF
	AdBlue tank capacity 35 l, right	0P4CZ
	AdBlue tank, right, plastic	0P4HU
	Fuel tank cap, lockable, ventilated, for master key system	0P4H5
	Cap for AdBlue tank, lockable	0P4GE
Fram	ne attachments	
	Underride protection, front	0P1FN
	Without working platform	0P0VH
	Without underride protection, side	0P1FG
	Final cross member, with hole pattern 160 x 100 mm	0P1SB

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Underride protection, rear, round Wheel chock, 1 unit, with retaining device Body attachment bracket  attic brakes, compressed-air generation, brake system Air compressor, single cylinder, 318 ccm, with economy system Air dryer, heated	0P1FD 0P1FO 0P0X5
Body attachment bracket  attic brakes, compressed-air generation, brake system  Air compressor, single cylinder, 318 ccm, with economy system  Air dryer, heated	0P0X5 0P4Y3
natic brakes, compressed-air generation, brake system Air compressor, single cylinder, 318 ccm, with economy system Air dryer, heated	0P4Y3
Air compressor, single cylinder, 318 ccm, with economy system Air dryer, heated	
Air compressor, single cylinder, 318 ccm, with economy system Air dryer, heated	
Air dryer, heated	
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On an arrange of a fact of a fact of the arrange of facility and facility and facility of	0P0B2
Compressed-air treatment, pneumatically controlled	0P0AB
Steel compressed-air tank	0P0XH
Electronic brake system (EBS)	0P0BL
Anti-lock braking system (ABS)	0P0BE
Full brake assistant	0P0CM
MAN EVBec high-performance engine brake, stages possible	0P0BW
Disc brakes on front axle	0P1I9
Disc brakes on rear axle	0P1I4
Parking brake control, in instrument panel	0P3KG
Parking brake with spring-type actuator on rear axles (incl. leading axle/ trailing axle)	0PGBL
Parking brake, on front axle(s), pneumatic, additional, exhaustible	0P0C1
MAN EasyStart immobiliser	0P1TF
Brake lining thickness display, with brake lining wear warning	0P0BG
Harmonisation of brake lining wear	0P0BI
Disc brakes, protected, off-road use	0P1L1
and acoustic signals on the chassis (rear lights,)	
Rear lights	0P2AQ
Protective cover for rear lights	0P6XS
Emergency braking signal, hazard light activation, automatic	0P0CG
Light function test	0P2AD
Side marker lights, LED	0P2BJ
ine/running gear	
, radiator	
Diesel engine MAN D0836 LFLBI, 235 kW (320 hp) output, 1,250 Nm torque, Euro 6e	0PIAK
Engine, with on-board diagnosis, OBD-E	0PHZN
Fuel filter, heated, for fuels up to Cleanliness Class 21	0PHIF
Fuel pre-filter, with oil separator/water trap, with water sensor, heated	0P4XP
Engine dry-air filter, with safety insert	0P0B8
Ventilation, crankcase, closed	0P8PM
Anti-noise skirt, engine	0P2E7
Engine cooler, normal length	0P4XX
Engine oil dipstick and digital oil level gauge	0P0B6
Antifreeze, down to -32 °C	0P0AK
Flame-start system	0P0GD
Service product level indicator and intake system vacuum	0P3KT
Stationary regeneration for catalytic converter, executable at any time, for light loads	0PGCM
TOOLEN OF HELLS II SOFFIE VEEV	MAN EVBec high-performance engine brake, stages possible Disc brakes on front axle Disc brakes on rear axle Parking brake control, in instrument panel Parking brake with spring-type actuator on rear axles (incl. leading axle/ trailing axle) Parking brake, on front axle(s), pneumatic, additional, exhaustible MAN EasyStart immobiliser Brake lining thickness display, with brake lining wear warning Harmonisation of brake lining wear Disc brakes, protected, off-road use and acoustic signals on the chassis (rear lights,) Rear lights Protective cover for rear lights Emergency braking signal, hazard light activation, automatic Light function test Side marker lights, LED  ne/running gear  piesel engine MAN D0836 LFLBI, 235 kW (320 hp) output, 1,250 Nm torque, Euro 6e Engine, with on-board diagnosis, OBD-E Fuel filter, heated, for fuels up to Cleanliness Class 21 Fuel pre-filter, with oil separator/water trap, with water sensor, heated Engine dry-air filter, with safety insert Ventilation, crankcase, closed Anti-noise skirt, engine Engine cooler, normal length Engine oil dipstick and digital oil level gauge Antifreeze, down to -32 °C



<b>-</b>	MAN TipMatic 12.12 OD	0P5VP
_	Gearbox for normal percentage of overrun during driving operation	0PGDA
<b>-</b>	MAN TipMatic actuation, with drop arm, manual (DNR option, switching strategy option)	0P3KI
<b>-</b>	MAN Idle Speed Driving gearbox function	0P0ER
<b>-</b>	MAN TipMatic Efficiency driving program, up to 70,000 kg	0P0FA
<b>-</b>	Single-disc clutch, 395 mm, dry	0P0DS
Nheel	s, tyres	
_	Required tyre speed index J	0PFW2
_	Tyres front axle Continental 295/80R22.5 CROSS TRAC HS3 Steering-S+G TL	0PHWD
_	Rim type, front axle, steel, single-part	0P0P0
3	Rim size, front axle, 10-hole, 8.25x22.5	0P0NE
<b>-</b>	Wheel nut cover ring, front axle	0P0PR
3	Rear axle tyres Continental 295/80R22.5 CROSS TRAC HD3 Drive-S+G TL	0PHUR
_	Rim type, rear axle, steel, single-part	0P000
<b>-</b>	Rim size, rear axle, 10-hole, 8.25x22.5	0P0MQ
_	Top coating, rims, steel, white-aluminium	0P6YL
_	Centring sleeves for rim mounting	0PHZW
Axles		
3	4x2	0P3B1
3	Steering ratio, standard	0P1JX
3	Steering oil tank with dipstick	0P1JW
3	Front axle, 7,500 kg, not driven, cranked, steered, not liftable	0P5EQ
3	Mudguard, front axle	0P1AT
3	Splash guard mat on mudguard, front axle, longer at bottom	0P1XS
3	Rear axle, 13,000 kg, HY axle without drive shaft, straight, not steered, not liftable	0P4ZP
3	Twin tyre on rear axle	0P1HN
_	Mudguard, rear axle, flexible outer edge	0P1AL
_	Splash guard mat on mudguard, rear axle, longer at bottom	0P1XK
_	Axle ratio, i = 4.63	0P0D9
3	Differential locks on driven rear axles	0P0DI
_	Without differential locks, front axles	0P0DL
_	Digital axle load display (ALM) for air-sprung axles, cab	0P2IZ
	One is a second to the control of th	
Axle c	ontrol system and suspension	
]	Suspension type for front axles and driven rear axles, leaf/air (BL)	0P2YC
3	Control unit for electronically controlled air suspension (ECAS)	0P3K9
3	ECAS parameter input for automatic setting of normal level from 20 km/h	0P1KU
<b>-</b>	Lowering of air suspension to buffer with residual pressure control, automatic	0P1KQ
3	ECAS parametrisation, with auxiliary circuit for suppression of level control	0P1KW
3	Leaf-spring suspension on front axle, parabolic, 1-leaf, steel	0P1JC
3	Air suspension on rear axle	0P1J5
_	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

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□ Wishbone 0P6ZR

#### Cab

Cab a	and cab exterior	
	Top coating, cab	0P6YB
	Textured coating, bumper, steel	0P6YQ
	Textured coating, step units	0P6X9
	Textured coating, mudguard, behind cab	0P6YG
	Compact CC cab	0P2DK
	Cab mount, Basic	0P1V8
	Cab tilt mechanism, manual	0P1V6
	Tilting roof, mechanical	0P1VW
	Bumper, steel, 3 pieces	0P1SG
	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, with remote control	0P1WR
	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 contour marking, reflective, white	0P1ZZ
	Cab rear wall, with window	0P1VB
Lights	s and acoustic signals on cab exterior (headlights, horn,)	
	Front headlights, H7	0P1ZN
	Daytime driving lights with rear lights, LED	0P2BQ
	Fog lights, H7	0P2AH
	Cornering light, H7	0P1YF
	Headlight beam regulator, manual	0P2AC
	Driving-light control, manual	0P1ZF
	Contour lights, LED, 2 units	0P2BS
	Comfort indicator function, can be activated	0P1ZW
	Turn signal lights, sides, bulb	0P1Z6
	Horn, single-tone, electrical	0P1W0
	Preparation for revolving beacons (wiring)	0P2BF
	2 revolving beacons on cab roof, 1 right and 1 left	0P2B3
	Spotlights, 2 units, cab roof, 1 right and 1 left	0P1YM
	Spotlight, halogen, white	0P1YY
	Spotlight/manoeuvring light deactivation, speed-dependent	0P2C7
	Preparation for loading area lighting	0P2A5
Mirro	rs and mirror replacements	

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	Exterior rear-view mirror, electrically adjustable	0P2CA
	Mirror housing, not painted	0P2CP
	Rear-view mirror arms, suitable for body width 2,500 mm to 2,600 mm	0P2CT
	Kerb mirror, right, electrically adjustable	0P2CG
	Front mirror, mechanical adjustment	0P2CJ
	Preparation for rear-view camera, 2 units, one camera linked to reverse gear	0P2D3
Seats		
	Seat covers, fabric, Comfort	0P2PO
	Comfort driver's seat, air-sprung, with lumbar support and shoulder adjustment	0P2P5
	Driver's seat heating	0P2PX
	Driver's seat arm rests	0P2OE
	Adjustment of seat belt height, driver's seat	0P4XQ
_	Co-driver's seat, not sprung, with storage box	0P2OO
_	Storage space, in seat bracket of co-driver's seat	0P2Q6
	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, with electronic immobiliser	0P3K0
	Instrumentation, Basic km/h	0P3L3
	Tachograph, digital, with telecommunication (as per DSRC), CONTINENTAL	0P5DV
	Tachograph, calibrated	0P2KG
	Remote download for digital tachographs	0P2JJ
	Preparation for Toll Collect toll recording system	0P2MT
	Driving hours indicator, instrumentation	0P2MA
	Socket, cab centre, 2 units, 12 V and 24 V	0P2HX
	Plug-in ashtray, instrument panel in middle section, 1 unit	0P2FO
	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
	air-conditioning system	ODONIT
	Air-conditioning system, Climatronic	0P2NT 0P2NX
	Ventilation, cannot be disabled, permanent and slight excess pressure in cab (reduces dust penetration)	UPZINA
Cab	interior	
	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
	Interior light, central	0PHA6
	Reading light, 1 unit, driver's side	0P2IQ
	Entry lighting	0P2IO
	Door interior cladding, washable	0P2IA
	Storage box, centre area, to rear	0P2H9
	Stowage compartment, 2 units, cab rear wall, driver's side and centre	0P2EZ

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	Grab handle, above door, internal, 2 units, 1 right and 1 left	0P2G2
	Entry handles, standard	0PHPK
Acce	essories and tools	
	No jack	0P3F6
	Vehicle toolkit	0P2TX
	Warning triangle, 1 units	0P3FI
	First aid kit	0P3F3
	Window cleaning set	0P3CI
	Hazard warning light, 1 units, with continuous light function	0P3FF
Inte	lligent Truck	
Assi	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
	Lane Guard System (LGS)	0P1TT
_	Lane Guard Gystem (200)	01 111
Infot	ainment (radio,)	
	MMT infotainment system, Advanced Mid	0P2M0
	MAN sound system	0P2MG
	Europe and Russia navigation map	0P2MX
	Online traffic for navigation function	0P2N4
	MAN TeleMatics	0P2MO
	Smartphone integration	0P2NE
	MAN app integration	0P2MC
Boo	lies/interfaces	
Inter	faces to semitrailer (e.g. fifth-wheel coupling, brake connection,)	
	Without trailer brake connection behind cab	0P1O3
	No fifth-wheel coupling	0P1RJ
Intor	feace to trailer (a.g. trailer coupling brake connections.)	
Inter	faces to trailer (e.g. trailer coupling, brake connections,)  Trailer coupling at final cross member, RINGFEDER type 4040/ G150B	0P1N5
_	Trailer bar coupling for pivot-plate trailer, on final cross member, 40 mm drawbar eye	0P1SI
	2-line trailer brake connection, end of frame, centre, standard coupling	0P1NZ
	Trailer socket, frame end, 24 V, 15-pin	0P1OM
		0P1O4
	Trailer socket for anti-lock brake system (ABS), end of frame	
	Hydraulic connection for 3-way tipping trailer, end of frame, control unit in cab, for loading crane	0P0ZM
Ex w	vorks bodies and interfaces to bodies (e.g. tipper indicator)	
	Preparation for engine start/stop facility, under front panel	0P0K8
	Interface for data exchange with body (customer-specific control module) and intermediate engine speed (ZDR), behind front panel and behind cab	0PHPE

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### MAN Truck & Bus



	Display of workshop data for body, control module for ext. data exchange control module) with body functions	customer-specific 0P2J3	
	Tipper indicator, cab (symbols)	0P2M5	
	Top coating, body	0P6XW	
	Tipper body, 4,000 x 2,420 mm, MEILLER type 9, for loading crane	0P0ZY	
	Works tipper body floor, made from steel, HB 400, 4 mm	0P1GH	
	Lashing eyes, in works tipper body floor panel, can be lowered	0P1FZ	
	Works tipper body side walls, 600 mm, steel	0P1ED	
	Works tipper body side walls, 2.5 mm, with M-JET ribbing, steel HB 450	0P0VS	
	Works tipper body side walls, fold-down	0P1DT	
	Side wall load relief on tipper body	0P1DQ	
	Stepladder for works tipper body, stored under works tipper body	0P0VL	
	Height, front wall, works tipper body, 800 mm	0P1F2	
	Works tipper body rear wall, 600 mm	0P1CU	
	Works tipper body rear wall, swinging and with limited fold-down capability	, manual claw lock 0P1CH	
	Tipper hydraulics axial pump, MEILLER type 270/ 45	0P0VZ	
	Contour marking for tipper body, reflective, white sides, yellow rear	0P2A1	
	Operating device for tipper hydraulic, cab, (loading) crane and trailer	0PFY5	
	Electrical preparation for keypad, body control	0PINX	
PTO:	S		
	PTO, gearbox-dependent, type NM AS/10c, without flange, f=1.50, position	approx. 4 o'clock 0P4RM	
	PTO, gearbox-dependent, for short-time operation less than 60 min	0P4VK	
	PTO, gearbox-dependent, shiftable	0P4X9	
	Function parameters for PTO; gearbox-dependent, driving operation	0P4WP	
	Sector-specific parameterisation, general	0P4X0	
Towi	ng, recovery and lashing		
	Central coupling jaw, integrated in bumper/front cross member, with lock p	in 0P1MK	
Cold	our		
	Top coating, chassis	GRAPHITE BLACK RAL 9011	W
	Top coating, cab	TRAFFIC WHITE RAL 9016	N

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Top coating, body

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TRAFFIC WHITE RAL 9016

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