

MAN TRUCKNOLOGY® ROADSHOW 2023

Description of exhibits for Heavy haulage, crane- and special vehicles

Vehicle overview

Type	TRS No.	Cab	Body type	Body manufacturer
TGM 15.250 4x2 BL CH	344	CC	Sweeper	FAUN
TGS 18.470 4x2 BL CH	285	NN	Tipper with crane	Meiller/ HYVA
TGS 18.510 4x4 BL SA	323	NN	Tractor with push-off semitrailer	Fliegl
TGS 26.470 6x2-4 BL CH	332	TN	Crane platform	FASSI
TGS 26.470 6x2-4 LL CH	287	TN	Crane vehicle for construction material	Palfinger
TGS 26.470 6x2-4 LL CH	333	TN	Crane vehicle for construction material	HIAB
TGS 28.510 6x4-4 BL CH	282	NN	Tipper with crane	KH-Kipper/ FASSI
TGS 28.510 6x4-4 BL CH	331	NN	Tipper with crane Individual Lion S 2.0	KH-Kipper/ HIAB
TGS 28.510 6x4-4 BL CH	284	NN	Tipper with crane	Meiller/ HIAB
TGS 33.510 6x4 BL CH	283	NN	Tipper with crane	KH-Kipper/ HMF
TGS 35.430 8x2-6 BL CH	341	NN	Refuse collector vehicle (rear loader)	Terberg
TGS 35.510 8x4H-6 BL CH	326	TM	Loading crane vehicle with front support 20 t	Palfinger
TGX 26.640 6x2/4 BL SA	311	GX	Heavy haulage tractor 70 t with low-loader	DOLL
TGX 33.640 6x4 BL CH	275	GM	Timber truck (short wood) with trailer	DOLL
TGX 33.640 6x4 BL CH	324	GM	Timber truck (long wood)	DOLL
TGX 33.640 6x4 BL SA	309	GX	Heavy haulage tractor Individual Lion S 2.0 120 t	-
TGX 41.640 8x4/4 BB SA	310	GX	Heavy haulage tractor Individual Lion S 2.0 250 t	-

Data status as of: 17th July 2023

Descriptions of more exhibits of the Trucknology® RoadShow are available in separate overviews:
construction and long haul & distribution.

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



All information without guarantee/techn. changes reserved.



TRS 344

TGM 15.250 4x2 BL CH

Road sweeper

MAN chassis specifications

Vehicle number	18D-3816
Order number	8000/ 01121
Empty weight [kg] as per VRC	10,125
Motorisation	D0836 LFLBK/ Euro 6e
kW/ hp/ Nm	184/ 250/ 1,050
Wheelbase/ overhang [mm]	3,575/ 1,125
Cab	CC

Drive train

- Gearbox MAN TipMatic® 12.12 OD
- Driving programs: Efficiency, Sweeper
- Gearbox function: MAN Idle Speed Driving
- Front axle dropped, parabolic springs, 7.5 t
- Rear axle Hypoid, i=5.29, air suspension, 11.5 t
- PTO (engine-dep.), f=1.219, 600/720 Nm continuous/short
- Differential locks on driven rear axles
- Tires 295/80R22,5

Fittings/ special features

- Fuel tank 150 l on the right and 35 l AdBlue®
- MAN EasyStart immobiliser
- Steel-bumper, 3 pieces
- Tempomat, Anti-slip control (ASR), Lane Guard System (LGS), Full brake assistant
- 2 revolving beacons LED on cab roof
- Standard control field, inside of driver's door, with door open operated externally, 2 function buttons
- Comfort driver's seat with heating
- Multi-function steering wheel with parking position
- Instrumentation Basic km/h, 12.3" with driving hours monitor
- MMT infotainment system, Starter High
- Preparation for rear-view camera, 2 units, one camera linked to reverse gear
- Modifications by MAN Individual:
 - Frame and frame attachments for superstructure sweeper
 - MAN TipMatic driving program sweeper

FAUN - Sweeper body VIAJET 6 R/L H



- Technical data
 - Dimensions (LxWxH): 6,500 x 2,900 x 3,350 mm
 - Hopper volume: 6 m³
 - Water tank volume total: 1,900 l
- Silent
- 190 l fuel tank
- Pneumatic cylinder for suction mouth tilting length
- Angle adjustment of the disc brushes from the driver's cab
- Pneumatic lifting disc broom apron
- Disc brush can sweep in the retracted position
- Disc brush collision protection with tension spring
- 2 LED work lights per sweeping unit
- Suction duct with wear coating
- Suction shaft relief „floating shaft“
- Pneumatic roller lock
- Sweeping on both sides
- Pneumatically operated manual suction system DN 200 on the emptying flap
- Street washing device (5 nozzles) at the front under bumper
- Water cleaning connection on blower
- Fine dust nozzle package for both sweeping units
- Cleaning flap above the emptying flap
- Cable pull
- Color camera system with 7" TFT flat screen
- Tilt the container and open the container flap from the cab
- Control unit near the driver's door for operating the coarse material flap, lifting the sweeping units, swiveling and tilting the disc brushes
- LED beacons on the container roof
- Ambient lighting with 2 FlatBeam LED spotlights on the container roof on the reverse side
- Passing mirror
- Control panel lighting
- Vario blow-out set for cleaning the driver's cab
- Side panel for dirt chute
- KOCO Connect
- High pressure system 30 l / 100 bar
- FLATJET HD wash bar with 7 nozzles behind the roller brush
- Extension of the HP system to include an automatic hose reel and a heavy-duty hand lance

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



MAN TRUCKNOLOGY® ROADSHOW 2022/23

TRS 285

TGS 18.470 4x2 BL CH

The classic crane tipper.

Tipper with loading crane



MAN chassis specifications

Vehicle number	06F-0252
Order number	8000/ 01029
Payload at 18 t GVW [kg]	11,240
Motorisation	D2676 LFA/ Euro 6e
kW/ hp/ Nm	346/ 470/ 2,400
Wheelbase/ overhang [mm]	3,900/ 1,250
Cab	NN

Drive train

- Gearbox MAN TipMatic® 12.26 DD with retarder 35, driving programs: Perform. & Efficiency, Offroad, Manoeuvre
- Gearbox functions: Rocking free, MAN Idle Speed Driving
- Front axle dropped, parabolic springs, 9 t
- Rear axle hypoid, i = 2.85, air suspension, 11.5 t
- PTO gearbox-dependent, type NTX/10c without flange, f=1.12
- Tires Michelin FA 385/65R22.5 and RA 315/80R22.5

Fittings/ special features

- Fuel tank aluminum 310 l and 60 l AdBlue® on the left
- MAN EasyStart immobiliser
- Air compressor, 2-cylinder, 720 ccm with economy system
- MAN EVBec high-performance engine brake, stages possible
- Tempomat (cruise control, CC), Full brake assistant, Lane Guard System (LGS), Anti-slip control (ASR), MAN AttentionGuard
- Front headlights H7 with stone protection wide mesh
- Daytime driving lights LED
- 2 Spotlights on cab roof, spotlight/manoeuvring light deactivation (speed-dependent)
- Air compressor, 1 cylinder, 360 ccm with economy system
- Trailer coupling ROCKINGER Typ 500 G 6B
- 3-part steel bumper, front radiator protection grille
- Standard control field, inside of driver's door, with door open operated externally, 4 function buttons
- Comfort driver's seat (air-sprung, lumbar support, shoulder adjustment) with heating
- Professional instrumentation, 12.3", ICS rotary/push controller (Interior Control System), with direct access buttons and touchpad, MMT infotainment system Advanced Mid, Online traffic for navigation function, MAN Soundsystem

MEILLER - Three-way tipper type 9

- Technical data and dimensions
 - Abmessungen (LxBxH): 4.000 x 2.420 x 600 mm
 - Höhe der Stirnwand: 800 mm
 - Bordwände: 2,5 mm HBW 450 M-Jet
 - Stirnwand: 3 mm BS 50
 - Boden: 4 mm HBW 400
- In the section of the loading crane reinforced subframe
- Hydraulic pump 270/63
- Oil tank for tipper and crane under the tipper body
- Sidewall swinging and folding, deep closing
- Corner posts
- Rear wall swinging and partly foldable, automatic closure
- Retractable lashing lugs in the floor
- Hydraulic connections for tipping trailer (double circuit)
- Access ladder, stored under tipper body

HYVA - Loading crane C131K E3

- Technical data and dimensions
 - Hydraulic outreach: 9.15 m
 - Lifting height above counter-frame, hydraulic: 11.5 m
 - Slewing angle: 425°
 - Crane weight: 1,835 kg
 - Stabilizers with manual extension, spread: 4.20 m
- Articulated stabilizer feet and hoses inside the stabilizer beams
- Oil tank with temperature gauge, capacity 130 l
- Rotating hook, capacity 8,0 t
- EES - SDS - LAS systems
- Proportional compensated main control valve DANFOSS PVG32
- Stabilizers control valve WALVOIL SD5
- Centralized greasing system
- Stability Control System with emergency stop button
- Stability & Recovery Simulation and warning device for overheight boom (CE)
- Acoustic and visual warning device for stabilizer extensions closed (CE)
- Multifunction radio remote control with emergency stop button HETRONIC
- 1st + 2nd extra function activated, compact version
- Protection for 2nd boom cylinder
- Oil cooler (24 V)
- Tool attachment (for bucket, polyp, rotor) (AVIN)
- Stabilizers with hydraulic extension, spread 5.40 m



Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



MAN TRUCKNOLOGY® ROADSHOW 2023

TRS 323

TGS 18.510 4x4 BL SA

Traction & efficiency for agriculture.

Truck tractor for agriculture with push-off semitrailer



MAN chassis specifications

Vehicle number	80J-0508
Order number	6888/ 01087
Empty weight [kg] as per VRC	n/a
Motorisation	D2676 LFAM/ Euro 6e
kW/ hp/ Nm	375/ 510/ 2,600
Wheelbase/ overhang [mm]	3,900/ 700
Cab	NN

Drive train

- Gearbox MAN TipMatic® 12.28 OD, driving programs: Efficiency, Offroad, Manoeuvre
- Gearbox functions: Rock-free mode, MAN EfficientRoll, MAN Idle Speed Driving
- MAN PriTarder® with MAN EVBec, stages possible
- Transfer case MAN G172 with on-road and off-road gear
- Front axle AP, driven (permanent), parabolic springs 9 t
- Rear axle AP, i = 4.00, air suspension 13 t
- PTO engine-dependent, flywheel, f = 1.233

Fittings/ special features

- Fuel tank aluminum 390 l right and 60 l AdBlue® on the left
- Air compressor, 2-cylinder, 720 ccm with economy system
- Parking brake on front axle pneumatic
- Comfort Steering
- MAN EfficientCruise 3, Lane Guard System (LGS), MAN AttentionGuard
- Front headlights, daytime driving, fog lights LED
- Comfort driver's seat with ventilation, airbag
- Control panel MAN EasyControl Engine (2 functions), operable from outside with door open
- Digital axle load display (ALM) for air-sprung axles (cab)
- Professional instrumentation, 12.3", ICS rotary/push controller (Interior Control System), MMT infotainment system Adv. High
- Preparation for 2 rear-view cameras, one linked to reverse gear
- Modifications by Toni MAURER, Türkheim:
 - Tires FA 445/65R22.5 and RA 600/50R22.5
 - LoF approval (Agricultural or forestry tractor)
 - LoadSensing hydraulic system 80 ccm
 - Ladder with height adjustable trailer hitch and a fixed ball hitch for trailers with forced steering
 - Roll-over bar behind driver's cab

Fliegl – Push-off semitrailer ASS 298 Agro-Truck

- Technical data and dimensions
 - Bridge dimension incl. tailgate (LxW): 9,800 x 2,380 mm
 - Height of side walls and tailgate: 2,300 mm
 - Volume approx.: 55 cbm
 - Allowed total weight: 35,000 kg
 - Fifth wheel height app.: 1,400 mm
- Hydraulic sliding floor with surrounding polyurethane strips, optimal sealing
- Payload-optimised construction
- Side walls galvanised
- Pneumatic suspension
- 80 km/h version
- Fifth-wheel support winch
- Tires: 24 R 20.5 XS Michelin
- Rear axle steering
- Axle version drum brakes
- Compressed air brake system with EBS 24V
- Large dimension hydraulic tailgate 500 mm
- Lighting 24 V / 2x 7-pin plug socket
- 3-way control block with remote control
- Top Lift light - hydraulic folding roof with net cover
- Side marker lamps
- Contour lamps
- Position lamps front
- Contour marking
- Advantages:
 - Ideal for transporting all types of agricultural bulk cargo (silage, grain etc.)
 - Higher transport performance and stability due to much lower centre of gravity of the load
 - Faster unloading cycles allow higher hourly output
 - No fitful unloading, even with sticky materials – conserves clutch, brakes and power train
 - Residual-free unloading of adherent and sticky materials
 - Trouble-free unloading also in low buildings
 - Smooth partial unloading



Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



MAN TRUCKNOLOGY® ROADSHOW 2023

TRS 332

TGS 26.510 6x2-4 BL CH

The agile one for heavy loads.

Crane platform



MAN chassis specifications

Vehicle number	19F-5244
Order number	8000/ 01093
Empty weight [kg] as per VRC	n/a
Motorisation	D2676 LFAF/ Euro 6e
kW/ hp/ Nm	375/ 510/ 2,600
Wheelbase/ overhang [mm]	5,100 + 1,350/ 2,800
Cab (headroom internal)	TM (1,690 mm)

Drive train

- Gearbox MAN TipMatic® 12.26 DD with retarder 35, driving programs: Offroad, Efficiency, Manoeuvre
- Gearbox functions: Rocking free, MAN EfficientRoll, MAN Idle Speed Driving
- Front axle dropped, parabolic springs, 9 t
- Rear axle Hypoid, i = 2.71, air suspension for high centre of gravity, 12 t
- High-load roll stabilisation for rear axle (stabiliser, 4pointlink)
- Trailing axle relievable, moving-off aid with maximum speed limitation, steered, liftable, 8 t
- PTO gearbox-dependent, NTX/10c, without flange, f=1.12
- Tires Continental FA/TA 385/65R22.5 and HA 315/80R22.5

Fittings/ special features

- Fuel tank aluminum 590 l right hand side and 60 l AdBlue®
- MAN EasyStart immobiliser
- Air compressor, 2-cylinder, 720 ccm with economy system
- Distance-controlled tempomat (ACC) with stop&go function, Lane Guard Assist (LGA), Turn assist, Full brake assistant
- MAN ComfortSteering
- Mirror-replacement system OptiView
- Standard control field, inside of driver's door, with door open operated externally, 4 function buttons
- Digital axle load display (ALM) for air-sprung axles and trailers/ semitrailers (cab)
- Comfort driver's seat air-sprung, with lumbar support, shoulder adjustment and heating
- Driver's airbag, with seat belt tensioner
- Professional instrumentation, 12.3", ICS rotary/ push controller (Interior Control System) with direct access buttons and touchpad
- MAN Mediasystem Professional Navigation 12,3"

FASSI - Crane F275A.2.26

FASSI

- Technical data
 - Lifting class: 25.69 mt / 252 kNm
 - Classification HC1 HD4 S2 lifting class according to EN 12999: 2011 Standards in CE
 - Four hydraulic extensions
 - Max outreach: 16.85 m / 965kg
 - Crane weight: 3,515 kg
 - Rotation torque: 3.8 mt / 37.1 kNm
- Danfoss multifunction hydraulic distributor bank with Load-Sensing
- Double linkage System for constant lifting capacity with 15° hyperextension of the outer boom (PROLINK)
- Suppl. Functions in hose tray for the use of hydraulic accessories on the crane
- FASSI Stability control FSC-P
- FASSI V7S Joysticks– new generation digital radio remote control with 4.3" colour display
- Outriggers control by radio
- Extra hydraulic extendability of outriggers 7.20 m
- MPES – guarantees an exceptional extension/retraction speed of the telescoping booms
- LED work light at the crane
- LED work light at the outriggers
- Oil cooler 120 l for oil temperature control
- Organic zinc primer
- Dinitrol application on internal surfaces
- Stainless steel and stainless metal bands
- Double thickness of hardnickeling of pins
- Mounting on the rear incl. Platform:
 - Platform length/width: 6,600 / 2,500 mm
 - Sidewalls/rear wall height: 800 mm
 - Bulkhead height: 1,800 mm
 - 2x Tool box made of stainless steel

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



MAN TRUCKNOLOGY® ROADSHOW 2022/23

TRS 287

TGS 26.470 6x2-4 LL

Maximum driving comfort.

Crane vehicle for construction material



MAN chassis specifications

Vehicle number	21F-3073
Order number	8000/ 01030
Empty weight [kg] as per VRC	13,690
Motorisation	D2676 LFA/ Euro 6e
kW/ hp/ Nm	346/ 470/ 2,400
Wheelbase/ overhang [mm]	4,800/ 1,350/ 2,600
Cab	TN

Drive train

- Gearbox MAN TipMatic® Profi 12.26 DD with retarder 35, driving programs: Performance and Efficiency, Offroad, Manoeuvre
- Gearbox functions: MAN EfficientRoll, Rocking free, MAN Idle Speed Driving
- Front axle dropped, air suspension
- Rear axle Hypoid, $i = 2.71$, air suspension for high c.o.g., High-load roll stabilisation (stabiliser and four-point link)
- Trailing axle steered, liftable
- PTO gearbox-dependent, NTX/10c, without flange, $f=1.12$
- Tires Michelin FA/TA 385/65R22.5, RA 315/80R22.5, alloy rims

Fittings/ special features

- Fuel tank aluminum 390 l right and 60 l AdBlue® on the left
- Auxiliary water heater 4 kW (night heater)
- Air compressor, 2-cylinder, 720 ccm with economy system
- MAN EasyStart immobiliser
- Distance-controlled tempomat (ACC) with stop & go function, Full brake assistant, Lane Guard Assist (LGA), Lane change support LCS and turn assist
- Comfort Steering
- Standard control field, inside of driver's door, with door open operated externally, 4 function buttons
- Digital axle load display (ALM) for air-sprung axles (cab)
- Comfort driver's seat with ventilation
- Driver's airbag, with seat belt tensioner
- Professional instrumentation, 12.3", ICS rotary/push controller (Interior Control System), with direct access buttons and touchpad, MMT infotainment system Advanced High
- Modifications by MAN Individual: Side camera system (SCS) with separate display on the A pillar (co-driver's side)

PALFINGER - Loading crane PK 20.501L TEC 3



- Technical data
 - Lifting moment: 193.6 kNm (19.70 mt)
 - Classification HC1 HD4/S2 acc. to EN 13001 in CE-version with declaration of conformity
 - Slewing angle: 440 degree
 - Internal platform dimensions: 6,600 x 2,480 x 1,000 mm
- Control:
 - Top seat control with joystick control (2 joysticks and 2 pedals); Danfoss PVG32 control valve under seat
- Double linkage with Power Link Plus (3°)
- Preparation for variable pump
- Two hydr. extensions - outreach 11,10 m
- Hose equipment for two additional hydr. functions incl. check of crane transport position
- Two laterally extendable stabilizer jacks, hydr. telescopic outriggers, stabilizer spread 6,60 m
- Stability monitoring system, 360° stability with fully variable outrigger positions
- Engine start/ stop and RPM +/- at the top seat
- LED-working light 43 W installed at the knuckle boom and top seat
- Warning lights on the stabilizers
- Oilcooler 10,5 kW
- Brick stack grapple package

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



TRS 333

TGS 26.470 6x2-4 LL CH

Maximum driving comfort and manoeuvrability.

Crane vehicle for construction material

MAN chassis specifications

Vehicle number	21F-5239
Order number	8000/ 01105
Empty weight [kg] as per VRC	n/a
Motorisation	D2676 LFA/ Euro 6e
kW/ hp/ Nm	346/ 470/ 2,400
Wheelbase/ overhang [mm]	4,800/ 1,350/ 2,600
Cab	TN

Drive train

- Gearbox MAN TipMatic® Profi 12.26 DD with retarder 35, driving programs: Performance & Efficiency, Offroad, Manoeuvre
- Gearbox functions: Rocking free, MAN EfficientRoll, MAN Idle Speed Driving
- Front axle dropped, air suspension, 8 t
- Rear axle Hypoid, $i = 2.71$, air suspension for high c.o.g., 12 t
- High-load roll stabilisation for rear axle (stabiliser and four-point link)
- Trailing axle steered, liftable, 8 t
- PTO gearbox-dependent, NTX/10c, without flange, $f=1.12$
- Tires Continental 315/80R22.5, alloy rims

Fittings/ special features

- Fuel tank 390 l right hand side and 60 l AdBlue® on the left
- Auxiliary water heater 4 kW (night heater)
- Air compressor, 2-cylinder, 720 ccm with economy system
- Distance-controlled tempomat (ACC) with stop & go function, Full brake assistant, Lane Guard Assist (LGA), Turn assist
- MAN EasyStart immobiliser
- Comfort Steering
- Mirror-replacement system OptiView
- Standard control field, inside of driver's door, with door open operated externally, 4 function buttons
- Digital axle load display (ALM) for air-sprung axles and trailers/ semitrailers (cab)
- Comfort driver's seat with heating
- Driver's airbag, with seat belt tensioner
- Professional instrumentation, 12.3", ICS rotary/push controller (Interior Control System), with direct access buttons and touchpad, MAN media system Professional Navigation 12,3"
- Modifications by MAN Individual: Side camera system (SCS) with separate display on the A pillar (co-driver's side)

HIAB - Loader Crane L-HiPro 235 D LL-3

- Technical data
 - Lifting capacity (ADC): 250 kNm
 - Classified to EN 13001: HC1 – S1
 - Hydraulic outreach: 13.2 m
 - Slewing angle: 415°
 - Slewing torque: 28.3 kNm
- Oil bath for lubrication of the slewing mechanism
- Slewing stop position at the front
- Crane with link system
- 3 fast hydraulic boom extensions
- Optimized boom and extension system
- Valve V200 for variable pump flow
- Radio controller HIAB XS-Drive with 6 levers
- Stabilizer extensions extra long
- Space X4 - HIAB's individual crane monitoring system
- VSL analog - variable stability monitoring system
- HiConnect – Access to HIAB connected services
- ADC+ASC: automatic duty control and automatic speed control increases the crane capacity up to 25%
- LSS-V – vertical load stabilizing system
- ADO – care system for the hydraulic oil
- LED working light mounted on side of second boom and on side of first boom
- High seat, remote operated, right side of column
- 2 LED working lights on the high seat
- HIAB black

HIAB - Loader body for rear mounted loader crane

- Technical data
 - Outer dimensions (LxW): 6,810 x 2,476 mm
 - Head board height (with extension): 1,800 mm
 - Rear board height (with extension): 1,000 mm
 - Side board height: 1,000 mm
- Platform on both sides via swivel cylinder
- Accessories:
 - Crane plates for stabilizer
 - Toolboxes at truck chassis
 - Variable oil pump



Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



MAN TRUCKNOLOGY® ROADSHOW 2022/23

TRS 282

TGS 28.510 6x4-4 BL

Payload. Traction. Manoeuvrability.

Tipper with crane



MAN chassis specifications

Vehicle number	84E-0317
Order number	8000/ 01026
Empty weight [kg] as per VRC	14.910
Motorisation	D2676 LFAF/ Euro 6e
kW/ hp/ Nm	375/ 510/ 2,600
Wheelbase/ overhang [mm]	3,600 + 1,400/ 800
Cab	NN

Drive train

- Gearbox MAN TipMatic® 12.28 OD with retarder 35, driving programs: Offroad, Performance/ Efficiency, Manoeuvre
- Gearbox functions: Rocking free, MAN EfficientRoll, MAN Idle Speed Driving
- Front axle 9 t with parabolic springs
- Rear axle AP, i = 4.00, construction air suspension 11.5 t
- Trailing axle steered, liftable, air suspension 7.5 t
- PTO gearbox-dependent, NTX/10c without flange f=1.15
- Tires Continental FA/TA 385/65R22.5 and RA 315/80R22.5, alloy rims

Fittings/ special features

- Fuel tank 310 l and 35 l AdBlue® on the left
- Air compressor, 2-cylinder, 720 ccm with economy system
- 3-part steel bumper, front radiator protection grille
- MAN EasyStart immobiliser
- Anti-slip control (ASR), Distance-controlled tempomat (ACC), MAN Efficient Cruise 3, Lane Guard System (LGS), MAN AttentionGuard
- Front headlights, daytime driving, fog and cornering lights LED
- Preparation for 2 rear-view cameras, one linked to reverse gear
- Standard control field, inside of driver's door, with door open operated externally, 4 function buttons
- Glass roof hatch electric
- Comfort driver's seat with ventilation and driver's airbag
- Professional instrumentation, 12.3", ICS rotary/ push controller (Interior Control System) with direct access buttons and touchpad, MAN Navigation Professional media system 12.3"
- Modifications by MAN Individual: Medium height design; Side camera system (SCS) with separate display on the A pillar (co-driver's side)

KH-Kipper - Alu 3-way-tipper W3A



- Technical data
 - Dimensions inside (LxWxH): 4,500 x 2,420 x 800 mm
 - Capacity approx.: 8.7 m³
- Subframe made of high-quality steel, extended for crane mounting, protection lines, underbody support for repair
- Floor 5 mm HARDOX 450
- Sides 40/65 mm Aluminium-Profile
 - left & right side top and bottom hinged, with spring compensation
 - rear wall top and bottom hinged
- Underbody hydraulic cylinder with knock-off valve, main valve, pneumatic controls for tipper/crane/trailer in the cab, tipper indicator with buzzer
- Additional equipment: hydraulic installation for tipping trailer, 4 pairs of lashing rings 2000 daN in the floor, 4 pcs 8000 daN in the corners and 2 pcs 4000 daN on front wall (DIN 12460)

FASSI - Loading crane



- Technical Data
 - Lifting class 19.20 mt/ 188 kNm
 - Classification HC1 HD5 S2 lifting class according to EN 12999: 2011 Standards in CE
 - Four hydraulic extensions
 - Max outreach: 12.50 m/ 1,300 kg
 - Crane weight: 2,120 kg
 - Rotation torque: 2.2 mt / 21.5 kNm
- Danfoss multifunction hydraulic distributor bank with Load-Sensing
- PROLINK - increase the working angle of the crane above 15°
- Supplementary functions for the use of hydraulic accessories on the crane protected by guide-chains
- FASSI Stability Control - available in four versions
- FASSI V7S - digital radio remote control, 4.3" colour display
- Automatic and adjustable shake system which enables the gradual emptying of the grab through radio remote control
- ACF - Automatic Crane Folding
- MPES - guarantees an exceptional extension/retraction speed of the telescopic booms
- LED - work light at the outriggers
- Kinshofer KM605 clamshell bucket with HPX-drive heavy

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



MAN TRUCKNOLOGY® ROADSHOW 2023

TRS 331

TGS 28.510 6x4-4 BL

Payload. Traction. Manoeuvrability.

Tipper with crane



MAN chassis specifications

Vehicle number	84E-0492
Order number	6888/ 10965
Empty weight [kg] as per VRC	15,840
Motorisation	D2676 LFAF/ Euro 6e
kW/ hp/ Nm	375/ 510/ 2,600
Wheelbase/ overhang [mm]	3,600 + 1,400/ 800
Cab	NN

Drive train

- Gearbox MAN TipMatic® 12.28 OD with retarder 35, driving programs: Offroad, Performance/ Efficiency, Manoeuvre
- Gearbox functions: Rocking free, MAN EfficientRoll, MAN Idle Speed Driving
- Front axle AP, parabolic springs, 9 t
- Rear axle AP, i = 4.00, construction air suspension 13 t
- Trailing axle steered, liftable, air suspension 9 t
- PTO gearbox-dependent, NTX/10c without flange f=1.15
- Tires Michelin FA/TA 385/65R22.5 and RA 315/80R22.5, alloy rims

Fittings/ special features

- Fuel tank 310 l and 35 l AdBlue® on the left
- Air compressor, 2-cylinder, 720 ccm with economy system
- 3-part steel bumper, front radiator protection grille
- MAN EasyStart immobiliser
- Anti-slip control (ASR), Distance-controlled tempomat (ACC), MAN Efficient Cruise 3, Lane Guard System (LGS)
- Mirror-replacement system OptiView
- Front headlights, daytime driving, fog and cornering lights LED
- Preparation for camera
- Standard control field, inside of driver's door, with door open operated externally, 4 function buttons
- Glass roof hatch electric
- Comfort driver's seat with ventilation and driver's airbag
- Professional instrumentation, 12.3", ICS rotary/ push controller (Interior Control System) with direct access buttons and touchpad, MAN Navigation Professional media system 12.3"
- Modifications by MAN Individual a. o.:
 - MAN Individual Lion S package
 - Roof bar, 4 high-beam headlights LED (rectangular)

KH-Kipper - Aluminium 3-way tipper W3A

- Technical data
 - Dimensions inside (LxWxH): 4,500 x 2,420 x 800 mm
 - Capacity approx.: 8.7 m³
- Subframe made of high-quality steel, extended for crane mounting, protection lines, underbody support for repair
- Floor 5 mm HARDOX 450
- Sides 40/65 mm Aluminium-Profile
 - left & right side top and bottom hinged, with spring compensation
 - rear wall top and bottom hinged
- Underbody hydraulic cylinder with knock-off valve, main valve, pneumatic controls for tipper/crane/trailer in the cab, tipper indicator with buzzer; multifunction remote control
- Additional equipment: hydraulic installation for tipping trailer, 4 pairs of lashing rings 2000 daN in the floor, 4 pcs 8000 daN in the corners and 2 pcs 4000 daN on front wall (DIN 12460)

HIAB - Loading crane X-HiPro 162 ES-4

- Technical Data
 - Type: E-link construction
 - Hydraulic Outreach: 12.6 m
 - Load 12.4 m: 1,220 kg
 - Lifting capacity: 168 kNm--1
 - Weight: 2,800 kg
- Load stabilizing system, slewing movements
- LSS-V Load stabilizing system, vertical movements
- Stabiliser legs - Extra long hydraulic
- Ball&socket supp leg plate, steel, medium
- Boom type - Standard 1st boom, medium (A), foldableText
- 2nd boom & ext optimisation - Knuckle boom A, allround boom system, short
- Hydraulic extensions - Four
- Extension cylinder layout - Outside, optimised dimensions
- Hose & pipe kit - Two functions
- Hose guidance - S-shaped
- Multicoupling to the h&p kit (4 in 1)
- Additional valves - 4 functions, closed center spool, valve on base, left
- SPACE X4 - HIAB's universal electronic system
- HiConnect - access to HIAB connected services
- Remote control type - XS Drive, six levers, LED



Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



MAN TRUCKNOLOGY® ROADSHOW 2022/23

TRS 284

TGS 28.510 6x4-4 BL

More maneuverable than a 2-axle truck.
Payload like a 3-axle truck.

Tipper with crane



MAN chassis specifications

Vehicle number	84E-0318
Order number	8000/ 01028
Empty weight [kg] as per VRC	15,420
Motorisation	D2676 LFAF/ Euro 6e
kW/ hp/ Nm	375/ 510/ 2,600
Wheelbase/ overhang [mm]	3,600 + 1,400/ 800
Cab	NN

Drive train

- Gearbox MAN TipMatic® 12.28 OD with retarder 35, driving programs: Offroad, Performance/ Efficiency, Manoeuvre
- Gearbox functions: Rocking free, MAN EfficientRoll, MAN Idle Speed Driving
- Front axle 9 t with parabolic springs
- Rear axle AP, i = 4.00, construction air suspension 11.5 t
- Trailing axle steered, liftable, air suspension 7.5 t
- PTO gearbox-dependent, NTX/10c without flange f=1.15
- Tires Michelin FA/TA 385/65R22.5 and RA 315/80R22.5, alloy rims

Fittings/ special features

- Fuel tank 310 l and 35 l AdBlue® on the left
- Air compressor, 2-cylinder, 720 ccm with economy system
- 3-part steel bumper, front radiator protection grille
- MAN EasyStart immobiliser
- Anti-slip control (ASR), Distance-controlled tempomat (ACC), MAN Efficient Cruise 3, Lane Guard System (LGS), MAN AttentionGuard
- Front headlights, daytime driving, fog and cornering lights LED
- Preparation for 2 rear-view cameras, one linked to reverse gear
- Standard control field, inside of driver's door, with door open operated externally, 4 function buttons
- Glass roof hatch electric
- Comfort driver's seat with ventilation and driver's airbag
- Professional instrumentation, 12.3", ICS rotary/ push controller (Interior Control System) with direct access buttons and touchpad, MAN Navigation Professional media system 12.3"
- Modifications by MAN Individual: Medium height design, Side camera system (SCS) with separate display on the A pillar (co-driver's side)

MEILLER - 3-way-tipper D316

- Technical data
 - Dimensions inside (LxWxH): 4,600 x 2,420 x 800 mm
 - Height of front wall: 1.000 mm
- Material: side walls 4 mm HB 450 M-JET, front wall 3 mm BS 70, floor 5 mm HB 450
- In the section of the loading crane reinforced subframe
- Hydraulic pump 270/63
- 138 liter oil tank for tipper and crane under the tipper body
- Bordmatic – Sidewall on the left
- Side walls drop-down with relief springs on the right
- Tailgate top-hinged with automatic tailgate lock
- 12 retractable lashing lugs in the floor
- Side wall lashing lugs
- Hydraulic connections for tipping trailer (double circuit)
- Aluminum mudguards
- Aluminum ladder



HIAB - Loading crane X-HiPro 162 ES-4

- Technical Data
 - Type: E-link construction
 - Hydraulic Outreach: 12.5 m
 - Load 12 m: 1,000 kg
 - Lifting capacity: 138 kNm--1
 - Weight: 2,070 kg
- Load stabilizing system, slewing movements
- LSS-V Load stabilizing system, vertical movements
- Stabiliser legs - Extra long hydraulic
- Ball&socket supp leg plate, steel, medium
- Boom type - Standard 1st boom, medium (A), foldableText
- 2nd boom & ext optimisation - Knuckle boom A, allround boom system, short
- Hydraulic extensions - Four
- Extension cylinder layout - Outside, optimised dimensions
- Hose & pipe kit - Two functions
- Hose guidance - S-shaped
- Multicoupling to the h&p kit (4 in 1)
- Additional valves - 4 functions, closed center spool, none free function
- Control station - Stand up platform, antislip plate, valve on base, left
- Remote control type - XS Drive, six levers, LED



Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



MAN TRUCKNOLOGY® ROADSHOW 2022/23

TRS 283

TGS 33.510 6x4 BL

The agile classic.

3-way tipper with crane



MAN chassis specifications

Vehicle number	30E-0498
Order number	8000/ 01027
Empty weight [kg] as per VRC	15,785
Motorisation	D2676 LFAF/ Euro 6e
kW/ hp/ Nm	375/ 510/ 2,600
Wheelbase/ overhang [mm]	3,600/ 1,400/ 800
Cab	NN

Drive train

- Gearbox MAN TipMatic® 12.28 OD, driving programs: Offroad, Performance & Efficiency, Manoeuvre
- Gearbox functions: Rock-free mode, MAN EfficientRoll, MAN Idle Speed Driving
- High-performance engine brake MAN PriTarder® with MAN EVBec, stages possible
- Front axle straight, parabolic springs, 9 t
- Rear axles AP, i=4.00, air suspension 2x 13 t
- PTO gearbox-dependent, NTX/10c, without flange f=1.15
- Tires Michelin FA 385/65R22.5, RA 315/80R22.5, alloy rims

Fittings/ special features

- Fuel tank 310 l and 60 l AdBlue® on the left
- Air compressor, 2-cylinder, 720 ccm with economy system
- Parking brake on front axle pneumatic
- MAN EasyStart immobiliser
- Distance-controlled tempomat (ACC), Full brake assistant, Lane Guard System (LGS), Turn assist
- Standard control field, inside of driver's door, with door open operated externally, 4 function buttons
- Digital axle load display (ALM) in cab
- Comfort driver's seat (air-sprung, lumbar support, shoulder adjustment) with heating
- Driver's airbag, with seat belt tensioner
- Professional instrumentation, 12.3", ICS rotary/push controller (Interior Control System), with direct access buttons and touchpad, MMT infotainment system Advanced High
- Trailer coupling ROCKINGER Type 500 G 6B
- Modifications by MAN Individual: Side camera system (SCS) with separate display on the A pillar (co-driver's side)

HMF - loader crane 2320K4-RCS

- Technical data
 - Dimensions (HxBxT): 2,295 x 2,500 x 1,015 mm
 - Low weight approx.: 2,770 kg
 - Hydraulic outreach: 12.4 m/ 1,440 kg
- Danfoss-control valve with 6 functions for variable pump flow
- 2 extra valves in brackets incl. multilink couplings
- Remote controlled with joysticks and INFO-Center monitoring system
- No stabilizers span monitoring thanks to EVS
- Low weight
- 15° over-bending between main boom and outer boom
- EQC surface treatment with zeta coating
- SBC – damping system for slewing
- PCC – damping system for the load
- Powerplus double-link
- Low maintenance extension system
- Central lubricating point for foundation
- 150 l oil tank mounted on crane base
- LED working light on main boom (3040 lumen)
- CAC – Cabin Anti Crash (virtual cave to protect the cab)



KH-Kipper - 3-way tipper W3H

- Technical data
 - Dimensions inside (LxBxH): 4,500 x 2,410 x 800 mm
 - Volume approx.: 8.7 m³
- Subframe made of high-quality steel, extended for crane mounting, protection lines, underbody support for repair
- Floor 5 mm HARDOX 450, sides 4 mm STREX 700, bended
 - left side hydraulic HYDROBOARD®, 2 cylinders open ~ 180°
 - right side top and bottom hinged, with spring compensation
 - rear wall top hinged, locks open automatically while tipping
- Underbody hydraulic cylinder with knock-off valve, main valve, pneumatic controls for tipper/crane/trailer in the cab, tipper indicator with buzzer
- Hydraulic installation for tipping trailer
- Additional equipment: Outline markings in acc. with EC; brush & shovel and foldable ladder under body; rear lights protection made of stainless steel; 4 pairs of lashing rings 2000 daN in the floor, 4 pcs 8000 daN in the corners and 2 pcs 8000 daN on front wall according to DIN 12460; Cramaro TellOne tarpaulin



Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



MAN TRUCKNOLOGY® ROADSHOW 2023

TRS 341

TGS 35.430 8x2-6 BL CH

Refuse collector vehicle (Rear loader)



MAN chassis specifications

Vehicle number	91F-0811
Order number	8000/ 01116
Empty weight [kg] as per VRC	16,140
Motorisation	D2676 LFAJ/ Euro 6e
kW/ hp/ Nm	316/ 430/ 2,200
Wheelbase/ overhang [mm]	1.795 + 2.980 + 1.350/ 1.250 mm
Cab	NN

Drive train

- Gearbox MAN TipMatic® 12.26 DD, driving programs: Efficiency, Collect, Manoeuvre
- Gearbox function: MAN Idle Speed Driving
- MAN EVBec high-performance engine brake, stages possible
- Front axle dropped
- Rear axle Hypoid, $i=2.71$, air susp. for high centre of gravity
- Trailing axle steered, liftable, air suspension
- PTO, engine-dependent, flywheel, flange, $f=1.233$
- Tires Michelin 315/70R22,5 MULTI Z

Fittings/ special features

- Fuel tank aluminum, 390 l on the left and 35 l AdBlue® right
- LED: Daytime driving lights, contour and side marker lights
- Driving-light control automatic with light sensor
- Wiper activation automatic with rain sensor
- MAN EasyStart immobiliser
- Tempomat (cruise control, CC), Anti-slip control (ASR), Lane Guard System (LGS), Turn assist, MAN AttentionGuard
- Electrical preparation for gritter (displacement/speed signal)
- Mirror-replacement system, complete
- Air-conditioning system Climatronic
- Door interior panelling washable
- Comfort driver's/ co-driver's seat with heating
- Middle seat with folding backrest, 2-point seatbelt
- Digital axle load display (ALM) for air-sprung axles (cab)
- Multi-function steering wheel with parking position
- Instrumentation Basic with driving hours indicator, MAN Navigation Professional media system, 12.3 inch
- MAN Soundsystem
- Vehicle toolkit, warning triangle, first aid kit
- Preparation for rear-view camera, linked to reverse gear

Terberg HS - ROTOllympus 205/24 "Shorty" Naked-Design



- Technical data
 - Dimensions approx.: 10,440 x 2,550 x 3,450 mm
 - Effective load volume: 24 m³
- Exposed rotary cylinder in practical Naked-design
- Rotating cylinder made in 4 mm stainless steel
- Two-flight auger
- Bio version - liquid tight 400 mm
- Full splash guard
- Plastic storage box, A signs
- Broom and shovel with a holder on the front
- 4 LED work lights: 2x rear, 2x sides
- 4 LED flashing beacons, with protective cage
- Rear lighting in LED
- Rear view camera-system with camera and separate monitor
- Lateral splash guard in front of the standing places
- Water tank approx. 30 liter with soap dispenser
- Lubricating system Beka-MAX
- Independent lubrication of the gear rim of the rotating cylinder
- Automatic bin lift Terberg OmniDEKAe
 - Low voltage electric automatic bin lift, for bins from 60 - 1100 l, lifting capacity 170 kg / 750 kg,
 - Lifting power 2-wheel operation approx. 170 kg
 - Lifting power 4-wheel operation approx. 750 kg
 - Fully automatic for 2-wheel MGB
 - Semi-automatic for 4-wheel MGB
 - Tilting time for 2-wheel MGB about 5-7 seconds
 - Tilting time for 4-wheel MGB approx. 10 seconds
 - One-point central lubrication system
 - Hydraulic filter in the flow line
 - Protection on the flap switch
 - DSD / bulky waste switching
 - Additional second container bump stop
 - Mounting plate for identification system
 - Terberg Connect
 - Low self-noise level of only < 61dB(A)

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



MAN TRUCKNOLOGY® ROADSHOW 2023

TRS 326

TGS 35.510 8x4H-6 BL

Traction on demand and max. manoeuvrability.
Preparation 20 tons front support ex works.

Loading crane vehicle

MAN chassis specifications

Vehicle number	73F-0105
Order number	6888/ 10960
Empty weight [kg] as per VRC	29,960
Motorisation	D2676 LFAM/ Euro 6e
kW/ hp/ Nm	375/ 510/ 2,600
Wheelbase/ overhang [mm]	1,795 + 2,980 + 1,350/ 2,050
Cab (headroom internal)	TM (1,690 mm)

Drive train

- Gearbox MAN TipMatic® 12.28 OD, driving programs: Performance and Efficiency, Offroad up to 70,000 kg
- Gearbox functions: Rocking free, MAN Idle Speed Driving
- High-performance engine brake MAN PriTarder® with MAN EVBec, stages possible
- Front axle HydroDrive® (hydrostatically driven), cranked, parabolic springs 9 t
- Rear axle Hypoid, $i = 4.11$, air springs for high c.o.g.
- High-load roll stabilisation for rear axle (stabiliser and four-point link)
- Trailing axle steered, lifting
- 2 PTO's: NTX/10c without flange, $f=1.15$ (position 1:30 o'clock) and NTX/10b with flange, $f=1.62$ (position 3:30 o'clock)
- Tires Continental FA/TA Continental 385/65R22,5 CROSS TRAC HS3, RA 315/80R22,5 CROSS TRAC HD3, alloy rims

Fittings/ special features

- Fuel tank 390 l right hand side and 35 l AdBlue® on the left
- Tempomat (cruise control, CC), Full brake assistant, Lane Guard System LGS, MAN Attention Guard
- Load variant 37,000 kg
- Parking brake on FA, pneumatic, additional, exhaustible
- Spring accumulator on 2nd front axle
- Lowering of air suspension to buffer, residual pressure control
- Frame main member 9.5 mm and reinforcement in front
- Brackets for mounting crane subframe
- Preparation Front plate for crane support 20 t
- Trailer coupling ROCKINGER type 400 G 150A
- Digital axle load display (ALM) for air-sprung axles (cab)
- Professional instrumentation, 12.3", ICS rotary/push controller (Interior Control System), with direct access buttons and touchpad, MMT infotainment system Advanced High

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu

All information without guarantee/techn. changes reserved.



PALFINGER - Truck-mounted crane PK 135.002 TEC7



- Technical data
 - Lifting moment: 10,733 kNm (109,3 mt)
 - Classification HC1 HD5/S1 in EN 13001 in CE-version with declaration of conformity
 - Slewing angle endless with slewing ring
 - Internal platform dimensions 4,100 x 2,480 x 600 mm
- Light and torsion-resistant extension system in polygonal form (P-profile)
- Palfinger radio remote control PALCOM P7 with Bosch-Rexroth control valve, including display of the load on the remote control panel with TFT color display
- SOFT STOP - the end positions of the main arm and articulated arm are approached gently
- POWER LINK PLUS - double toggle system with 15° extendable articulated arm
- AOS - active vibration damping system
- P-FOLD - assistance system for automatic unfolding and folding of the crane
- G - hydr. Eight extension - reach 19,40 m
- 4 - Hose equipment for two additional devices (fly jib, rotator etc.). Laying protected in hose troughs
- R4XH - telescopic support hydraulically extendable to the side, support width 10.00 m
- STZY swivel supports 180 ° hydr. can be swiveled up
- SHEK 3.5 MFA - Power Link cable winch 3.5 t mounted on the main arm so that it can be folded down hydraulically. Cable winch 34.3 kN (3500kg) pulling force on 1st cable length. Rope length 90 m, rope diameter 12 mm.
- PJ190E - Additional articulation extension can be hydraulically articulated and hydraulically extended with six-fold extension (reach 32,0 m)
- HPSC - stability monitoring for 360 ° stability with fully variable support positions
- LOAD - HPSC-Plus module LOADING
- WEIGH - weighing on the crane
- SCH13L - LED headlights mounted on the offset box of the articulated arm and pivoted on the additional articulated arm
- BS1242A-1 - Additional support hydraulically extendable to the side, support width 8.50 m
- KSZ00284A + SIQ - single front support (max. 200 kN)



MAN TRUCKNOLOGY® ROADSHOW 2023

TRS 311

TGX 26.640 6x2/4 BL SA

Heavy-duty and variety ex-works.

Heavy haulage tractor 70 t

MAN chassis specifications

Vehicle number	24K-0981
Order number	8000/ 01117
Tare weight/ GCW	9,341 kg/ 70 t
Motorisation	D3876 LF16/ Euro 6e
kW/ hp/ Nm	471/ 640/ 3,000
Wheelbase/ overhang [mm]	2.600 + 1.350/ 1.065
Cab (headroom internal)	GX (2,070 mm)

Drive train

- Gearbox MAN TipMatic® 12.30 OD with retarder 35, driving programs: Performance & Efficiency, Manoeuvre, EfficiencyPlus (without kickdown function)
- Gearbox functions: MAN EfficientRoll, Rock-free mode, MAN Idle Speed Driving
- Front axle dropped, parabolic springs 9.5 t
- Rear axle Hypoid, i = 3.36, air suspension 13 t
- Leading axle steered, lifting, air suspension
- PTO engine-dependent, flywheel, f=1,42
- MAN EVBec high-performance engine brake, stages possible
- Tires Michelin FA/LA 385/65R22,5 X MULTI Z and RA 315/80R22,5 X MULTI HD D
- Air compressor, 2-cylinder, 720 ccm with economy system
- Fuel tank 460 l left hand side and 80 l AdBlue® on the right
- Technically permissible weights: 28 // 9 / 8 / 13

Driver's cab

- Cab tilt mechanism, electric
- Mirror-replacement system
- Control panel MAN EasyControl Engine (4 functions), operable from outside with door open
- Auxiliary heater (water), 6 kW
- Comfort driver's seat with ventilation
- Vario co-driver's seat, rotates, fold-up
- Multi-function steering wheel (leather) with parking position
- Driver's airbag, with seat belt tensioner
- Digital axle load display (ALM) for air-sprung axles and trailer
- Professional instrumentation 12.3" with driving hours monitor, ICS rotary/push controller (Interior Control System), with direct access buttons and touchpad, MAN Navigation Professional media system, 12.3
- Preparation for rear-view camera

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu

All information without guarantee/techn. changes reserved.



Driver's cab

- Modifications by MAN Individual (among other things):
 - MAN Individual Lion S package
 - Roof bar, 4 high-beam headlights, LED
 - MAN Lion Face decal on side of cab
 - Wall unit with three storage compartments (cab rear wall)
 - Lounge chair (removable)
 - Television, 22-inch, with remote control (in cab side wall)
 - Door entry lighting, front, driver's side „Lion“, co-driver's side „MAN“

Assistance systems

- MAN ComfortSteering, Lane change support and turn assist
- ASR, EBA, ESP
- Tempomat with lane guidance assistant for congestion
- MAN EfficientCruise 3

Features for heavy haulage transport

- Nato-plug for power supply of semitrailer
- 5th-wheel coupling JOST JSK 37 C 2", install. height 185 mm

DOLL - 2-axle panther low-bed type T2E-S3FS21

- Technische Daten und Abmessungen
 - Total length / Width 13,110 / 2,550 mm
 - Length low-bed / telescope 6,700 / 5,700 mm
 - Dimension B 12,000 mm
 - Weight 14,120 kg
 - Axle load / payload 2x 12,000 / 30,880 kg
- Retractable gooseneck.
- panther-chassis technology with 12t axles, hydraulic forced steering and hydraulic suspension.
- DOLL tronic CAN bus system for operating all trailer functions.
- DOLL control display on the gooseneck to visualise, monitor and control all trailer functions.
- DOLL connect radio remote control for operation incl. trailer monitoring
- EEP – track adjustment independent of truck to trailer position. No straight-ahead driving or control via exterior mirrors necessary.
- Thermal spray galvanisation
- Weighing device axle load via radio display.
- Loading area extensions by 2 x 225 mm incl. wooden planks.

DOLL



MAN TRUCKNOLOGY® ROADSHOW 2022/23

TRS 275

TGX 33.640 6x4 BL CH

Power. Efficiency. Comfort.

Timber truck (short wood)

MAN chassis specifications

Vehicle number	30F-0250
Order number	8000/ 01020
Empty weight [kg] as per VRC	10,115
Motorisation	D3876 LF16/ Euro 6e
kW/ hp/ Nm	471/ 640/ 3,000
Wheelbase/ overhang [mm]	4,500 + 1,350/ 2,550
Cab (headroom internal)	GM (1,860 mm)

Drive train

- Gearbox MAN TipMatic® 12.30 OD with retarder 35, driving progr.: Performance & Efficiency, Offroad, Manoeuvre
- Gearbox funct.: Rocking free, EfficientRoll, Idle Speed Driving
- Front axle dropped, 9 t
- Rear axle Hypoid, i = 3.70, air springs 2 x 13 t
- 2 PTOs (gearbox-dependent), Type NTX/10c without flange, f=0.96 and type NTX/10b with flange, f=1.31

Fittings/ special features

- Fuel tank 400 l on the right and 60 l AdBlue® on the left
- MAN EasyStart immobiliser
- 2 cyl. air compressor 720 ccm with economy system
- 3-part steel bumper, front radiator protection grille
- Distance-controlled tempomat (ACC) with stop-and-go function, Lane Guard Assist (LGA) and Turn assist, MAN Efficient-Cruise 3, MAN AttentionGuard, Full brake assistant
- MAN ComfortSteering
- Front headlights, fog lights and cornering light LED
- Standard control field, inside of driver's door, with door open operated externally, 4 function buttons
- Comfort driver's seat with ventilation, leather seat covers
- Driver's airbag, with seat belt tensioner
- Multi-function steering wheel (leather) with parking position
- Professional instrumentation, 12.3", ICS rotary/ push controller (Interior Control System) with direct access buttons and touchpad, MAN Navigation Professional media system 12.3"
- Online traffic for navigation function
- 2-line trailer brake connection (end of frame, left), DuoMatic coupling
- Modifications by MAN Individual: Side camera system (SCS) with display on MAN infotainment system

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



DOLL - Short timber superstructure KS-MA

DOLL

- Technical data and dimensions
 - Loading length: 5,800 mm
 - Length frontwall – stabilizers: 6,350 mm
- Reinforced subframe in bolted design for rear mounted short-wood logging crane
- Additional diagonal reinforcements inbetween the subframe for higher torsional stiffness
- Frontwall, bolted
- 2-bunk-design to transport 1 x 3 m, 1 x 4 m and 1 x 5 m wood
- ExTe D10 Bunks und stakes
- Stainless steel-toolbox
- Aluminium-toolbox with integrated acces steps
- 3 pairs of work lights

DOLL - Short timber trailer type A2T-LZ35

- Technical data and dimensions
 - Trailer total-length: 6,000 mm
 - Loading length: 3,500 mm
 - Loading high frame top edge: 955 mm
 - Empty weight: 2,700 kg
 - Payload: 15,300 kg
- Solid welded construction out of high quality steel in lightweight design
- 2-bunk-design to transport 1 x 3 m, 1 x 4 m and 1 x 5 m logs
- ExTe D10 Bunks und stakes
- 2-axle SAF 9t with disk brakes and air suspension
- Tires Aeolus AGC28 265/70 R19.5 on aluminum rims Alcoa DuraBright 7.5 x 19.5

Epsilon - Timber loading crane M12Z83

PALFINGER

- Technical data
 - Lifting torque 109 kNm
 - Hydraulic outreach 8.30 m
- High seat „MASTER DRIVE“ with EPSHOOD
- 4+2 control, 2-line-circuit system
- Epsilon grapple FG53



MAN TRUCKNOLOGY® ROADSHOW 2023

TRS 324

TGX 33.640 6x4 BL CH

The powerful timber transporter.

Timber truck (long wood)

MAN chassis specifications

Vehicle number	30F-0454
Order number	8000/ 01089
Empty weight [kg] as per VRC	n/a
Motorisation	D3876 LF16/ Euro 6e
kW/ hp/ Nm	471/ 640/ 3,000
Wheelbase/ overhang [mm]	4,200 + 1,350/ 2,250
Cab (headroom internal)	GM (1,860 mm)

Drive train

- Gearbox MAN TipMatic® 12.30 OD with retarder 35, driving programs: Offroad, Manoeuvre, Perform. & Efficiency
- Gearbox funct.: Rocking free, EfficientRoll, Idle Speed Driving
- Front axle dropped, parabolic springs, 10 t
- RA Hypoid, i = 3.70, air springs 2 x 13 t
- PTO (engine-dependent), flywheel (DIN ISO 14), f=1.42, 400/570 Nm continuous/short and 2 PTOs (gearbox-dependent) Type NTX/10c, f=0.96 and type NTX/10b, f=1.31

Fittings/ special features

- Fuel tank aluminum 390 l right and 60 l AdBlue® left h. s.
- MAN EasyStart immobiliser
- 2 cyl. air compressor 720 ccm with economy system
- 3-part steel bumper, front radiator protection grille
- 2-line trailer brake connection (end of frame, left), DuoMatic coupling
- Distance-controlled tempomat (ACC) with stop-and-go function, Lane change support LCS and Turn assist, MAN Efficient-Cruise 3, MAN AttentionGuard, Full brake assistant
- MAN ComfortSteering
- Mirror-replacement system OptiView
- Standard control field, inside of driver's door, with door open operated externally, 4 function buttons
- Comfort driver's seat with ventilation
- Driver's airbag, with seat belt tensioner
- Multi-function steering wheel, leather
- Professional instrumentation, 12.3", ICS rotary/ push controller (Interior Control System) with direct access buttons and touchpad,
- MAN media system Professional Navigation 12.3"

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu

All information without guarantee/techn. changes reserved.



DOLL Long timber superstructure Type LH-2-MAP

DOLL

- Superstructure made from high-quality fine-grain
- Truck bolster model IX with 2 mechanically extendable stakes
- Single-row ball bearing turntable connected via the spacer and cone fastener
- Control DOLL Tronic with remote control and control Panel
- DOLL tensioning winch with 1,500 daN pre-tensioning
- Rear view camera at the lorry bolster
- Tool box between the lorry cabin and the loader crane
- Aluminum tool box with integrated step
- Storage tray over the battery box and the exhaust pipe
- Platform above pivoting cylinder on both sides

DOLL Self-steering trailer type M2R-9LP

- Technical data and dimensions
 - Empty weight: 3,550 kg
 - Payload: 14,450 kg
- BPW 10t axles with disc brakes
- Pneumatic suspension
- 8 x Tyres 275/70 R 22,5 Aeolus AGC 28 on alloy rims
- Bolster model IX with 1 x hydraulic telescopic stake
- Hydraulic bolster locking device
- DOLL-tensioning winch with 1,500 daN pre-tensioning
- Hydraulic winch with an 11 mm steel cable and 750 daN
- Control ratioplus with automatic lane
- Full LED lightings
- Cathodic dip painting with powder topcoat
- Weighing device, central lubrication, plastic toolbox, snow chain holders

Epsilon timber loading crane type S290Z96

PALFINGER

- Technical data
 - Lifting torque (HPLS) 241 kNm
 - Hydraulic outreach 9.60 m
- 4+2 control, 2-line-circuit system
- Epsilon grapple FG57X
- EPSHOOD cran canopy
- 4 LED headlights 3000 lumens



MAN TRUCKNOLOGY® ROADSHOW 2023

TRS 309

TGX 33.640 6x4 BL SA

Heavy-duty and variety ex-works.

Heavy haulage tractor 180 t

MAN chassis specifications

Vehicle number	30K-1073
Order number	6888/ 10967
Tare weight/ GCW	10,228 kg/ 180 t
Motorisation	D3876 LF16/ Euro 6e
kW/ hp/ Nm	471/ 640/ 3,000
Wheelbase/ overhang [mm]	3,290 + 1,420/ 690
Cab (headroom internal)	GX (2,070 mm)

Drive train

- Gearbox MAN TipMatic® 12.30 OD with retarder 35, driving programs: Performance & Efficiency, Offroad, Manoeuvre, Expansion MAN TipMatic® Heavy-duty Transport driving program to 180 t
- Gearbox functions: Rock-free mode, MAN Idle Speed Driving
- Front axle dropped, parabolic springs 7,7 t
- Rear axles as planetary axles, $i = 4.33$, air springs 2x 9.5 t
- PTO engine-dependent, flywheel, $f=1,42$
- MAN EVBec high-performance engine brake, stages possible
- Tires Michelin FA 385/65R22,5 LINE ENERGY F and RA 315/80R22,5 WORKS D on alloy rims
- Air compressor, 2-cylinder, 720 ccm with economy system
- Fuel tank 370 l right hand side and 60 l AdBlue® on the left
- Technically permissible weights: 33 // 8 / 13 / 13

Driver's cab

- Cab tilt mechanism, electric
- Windscreen tinted and heated
- 2 air horns on cab roof
- Control panel MAN EasyControl Engine (4 functions), operable from outside with door open
- Auxiliary heater (water), 6 kW
- Comfort driver's and co-driver's seat with ventilation
- Multi-function steering wheel, leather with parking position
- Digital axle load display (ALM) for air-sprung axles and trailer
- Professional instrumentation 12.3" with driving hours monitor, ICS rotary/push controller (Interior Control System), with direct access buttons and touchpad, MAN media system Professional Navigation 12.3"
- Preparation for 2 rear-view cameras, one camera linked to reverse gear

Modifications by MAN Individual

- Planetary axles at normal height design
- MAN Individual Lion S package
- 4 high-beam headlights, LED, rectangular, on roof bar
- Door entry lighting, front, driver's side „Lion“, co-driver's side „MAN“
- Wheel trim painted in black gloss

Lighting equipment

- Front headlights, daytime driving, fog, rear and cornering lights LED
- Assisted high-beam headlight
- Spotlights, 2 units, cab roof

Assistance systems

- MAN ComfortSteering
- Electronic Stability Program (ESP)
- Anti-slip control (ASR)
- Distance-controlled tempomat (ACC) with stop & go function
- Advanced Emergency Brake Assist (EBA)
- Lane Guard Assist (LGA)
- Lane change support LCS and turn assist
- MAN AttentionGuard

Features for heavy haulage transport

- Nato-plug for power supply of semitrailer
- 5th-wheel coupling JOST JSK 38 C 3,5", installation height 190 mm
- Towing coupling at final cross member, Rockinger SK5

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu



MAN TRUCKNOLOGY® ROADSHOW 2023

TRS 310

TGX 41.640 8x4/4 BB

Heavy-duty and variety ex-works.

Heavy haulage tractor 250 t

MAN chassis specifications

Vehicle number	86K-0017
Order number	6888/ 10974
Tare weight/ GCW	14,712 kg/ 250 t
Motorisation	D3876 LF16/ Euro 6e
kW/ hp/ Nm	471/ 640/ 3,000
Wheelbase/ overhang [mm]	2,600 + 1,450 + 1,400/ 725
Cab (headroom internal)	GX (2,070 mm)

Drive train

- Gearbox MAN TipMatic® 12.30 OD with torque converter clutch and torque increase for high loads. Increase of the engine torque hydraulically/dynamically by 1.58 times up to 4,740 Nm. In combination with Retarder 40.
- Driving programs: Efficiency (up to 70.000 kg), Manoeuvre
- Front axle dropped, parabolic springs
- Rear axles AP, i = 4.33, parabolic springs
- Leading axle relievable, moving-off aid with maximum speed limitation, air suspension
- PTO (engine-dependent), flywheel, f=1.42, with pump connection (2-hole, SAE-B, 15 t)
- MAN Turbo EVBec high-performance engine brake with retarder - combined braking performance up to 980 kW
- Tires Michelin FA/LA 385/65R22,5 LINE ENERGY F and RA 315/80R22,5 X WORKS HD D, alloy rims
- Steel bumper
- 2-cylinder air compressor with economic system
- Fuel tank 760 l Diesel and 80 l AdBlue®
- Technically permissible weights: 45 // 9 / 8 / 16 / 16

Driver's cab

- Cab tilt mechanism, electric
- Compressed-air horn, 2 units, cab roof
- Auxiliary heater (water), 6 kW
- Control panel MAN EasyControl Engine (4 functions), operable from outside with door open
- Comfort driver's and co-driver's seat with ventilation
- Multi-function steering wheel, leather, with parking position
- Windscreen tinted and heated
- Storage boxes accessible from outside with flap and from inside with suspended tray



Driver's cab

- Professional instrumentation, 12.3" with driving hours monitor, MMT infotainment system Advanced High
- ICS rotary/ push controller (Interior Control System)
- Modifications by MAN Individual:
 - MAN Individual Lion S package
 - Roof bar, black
 - 4 high-beam headlights, LED, rectangular, on roof bar
 - MAN Lion Face decal on side of cab
 - Television, 22-inch, with remote control (in cab side wall)
 - Door entry lighting, front, driver's side „Lion“, co-driver's side „MAN“
 - Wheel trim painted in black gloss

Lighting equipment

- Front headlights, daytime driving, fog and cornering lights LED
- Contour lights, LED, 2 units
- Spotlights, 4 units, on rack behind cab, 2 of which pull out

Assistance systems

- ComfortSteering
- Full brake assistant

Features for heavy haulage transport

- Support plate for gooseneck
- 3-stage hydraulic system for semitrailers, 20 / 40 / 100 l/min volume flow and max. possible provision working pressure of the system of up to 300 bar, type of pump: variable displacement pump LS Control
- Hydraulic fluid tank capacity 200 l, behind cab
- Nato-plug for power supply of semitrailer
- JOST JSK 38 C 3.5" fifth-wheel coupling,
 - installation height 190 mm
 - Fifth-wheel pick-up plate, installation height 57 mm (up to max. 36,000 kg fifth-wheel coupling load, with sliding device)
- Trailer coupling on double final cross member, bottom, ROCKINGER type 56 E A
- Heavy-duty register coupling at mounting plate, vehicle front (with covering device)

Contact

MAN Truck & Bus SE
MAN Truck Forum / Branchen Competence Center
Dachauer Straße 570, 80995 Munich
E-Mail: TRS@man.eu

