MAN TGS 40.440 6X4 BB SA

Heavy Duty Tractor Head - Heavy Transport Range

TECHNICAL SPECIFICATION

CONFIGURATION	ENGINE	TECH. GVW	TECH. GCW
6x4 BB	D2676 (440 hp)	40,000 kg	61,000 kg

WEIGHT RATING & LOAD CAPACITY SPECIFICATIONS

DESCRIPTION	NATIONAL REGISTRATION	TECHNICAL RATING	TECHNICAL RATING PLUS
GVW (Gross Vehicle Weight)	26,000 kg	40,000 kg	40,000 kg
Front Axle (FA)	9,000 kg	9,000 kg	9,000 kg
Rear Axle 1 (RA1)	13,000 kg	16,000 kg	16,000 kg
Rear Axle 2 (RA2)	13,000 kg	16,000 kg	16,000 kg
GCW (Gross Combination Weight)	44,000 kg	61,000 kg	61,000 kg

MAIN DIMENSIONS & CHASSIS DATA

GEOMETRIC FEATURE	VALUE (MM / M)	FRAME & WEIGHT DATA	VALUE
Main Wheelbase	3,900 mm	Chassis Kerb Weight (with cab)	10,566 kg
Rear Bogie Wheelbase	1,400 mm	Front Axle / Rear Bogie Weight	5,192 kg / 5,374 kg
Rear Frame Overhang	700 mm	Indicative Technical Payload	15,434 kg
Overall Vehicle Length	7,715 mm	Frame Profile (Height x Width x Thick.)	270 x 85 x 9.5 mm
Cab Width / Excl. Mirrors	2,240 / 2,981 mm	Fifth Wheel Height (Unladen)	1,573 mm
Overall Height Unladen (TN Cab)	3,559 mm	Fifth Wheel Height (Laden)	1,500 mm
Turning Circle (Track / Wall)	19.7 m / 21.4 m	Fifth Wheel Position (Nominal Lead)	1,125 mm

PRIMARY APPLICATION & USE CASE

Heavy-duty tractor unit designed for heavy-haulage transport and demanding off-road conditions (Class N3G). Optimized for high-payload environments with reinforced leaf/leaf suspension and high ground clearance chassis layout.

DRIVETRAIN & ENGINE SPECS

Engine Model	MAN D2676 LFBW (D26)	**Emission Standard**	Euro 2
Engine Power	324 kW (440 hp)	**Maximum Torque**	2,250 Nm
Gearbox	MAN TipMatic 12.28 OD	**Clutch Type**	Single-plate 430 mm dry, reinforced
Driving Programs	Efficiency (up to 70t) & Offroad	**Rear Axles**	Hub-reduction axles, ratio 4.33

TRANSMISSION SYSTEM & DRIVING MODES

- **MAN TipMatic Efficiency:** Optimized gearshift strategy focused on driver comfort and fuel consumption reduction.
- **Idle Speed Driving Function:** Enables crawling at engine idle speed without depressing the accelerator for smooth maneuvering.
- **Driveshafts:** Reinforced heavy-duty driveshafts (torque limit up to 30,000 Nm) built for severe operating loads.
- **MAN TipMatic Offroad:** Gearshifts at higher engine speeds with rapid shifts to maintain traction in off-road terrain.
- **Differential Locks:** Fitted as standard on both driven rear axles for maximum traction on loose or uneven surfaces.
- **Engine Air Intake:** Raised behind the cab with an integrated cyclone pre-filter and dust separator.

CHASSIS, SUSPENSION & BRAKING SYSTEM

COMPONENT / SYSTEM	TECHNICAL SPECIFICATION
Front Axle (FA)	Non-driven straight axle rated at 9,200 kg. 3-leaf parabolic steel springs (capacity 9,500 kg). Heavy-duty shock absorbers and stabilizer bar.
Rear Axles (RA1 / RA2)	Hub-reduction planetary axles (16,000 kg each). 6-leaf parabolic springs (capacity 20,000 kg per axle). Heavy-duty stabilizer bar on each axle.
Service Brake	Drum brakes front and rear. EBS electronic brake management system. ABS Offroad with terrain-adapted logic.
Engine Brake	High-performance MAN EVBec engine brake with progressive control.
Hill Start Assist	MAN EasyStart hill-hold feature for safe and effortless hill starts.
Tyres & Wheels	Front Axle: 325/95R24 Goodyear OMNITRAC S HD (Steel rims 8.5x24) Rear Axles: 325/95R24 Goodyear ORD Terrain (Steel rims 8.5x24)

BRAKE MONITORING & MANAGEMENT

Dynamic display of brake lining/pad thickness on the instrument cluster with wear indicator and automatic wear harmonization between tractor and semi-trailer.

CAB & INTERIOR COMFORT

Cab Type	TN Cab (Compact, sleeper, standard height)	**Cab Suspension**	Comfort (640 mm suspension spread)
Sleeper Bunk	1 lower bunk with slatted frame, 70 mm mattress	**Climate Control**	Manual air conditioning with overpressure dust sealing
Driver Workstation	12.3-inch Professional instrument cluster display	**Infotainment**	MAN 7-inch media system with sound system
Driver Seat	Air-suspended "Plus" seat with armrests	**Steering Wheel**	Multifunction adjustable wheel with park position setting

STANDARD FEATURES & INTEGRATED OPTIONS

- **Lighting Package:** H7 main headlights, daytime running lights, LED side marker lamps, stone guard screens on rear lights.
- **Cabin Air Filtration:** Cyclone air pre-filter for the cab ventilation system (ideal for dusty environments and desert conditions).
- **Power Supply:** 12V and 24V sockets in central console + 2 x 5V USB charging ports.
- **On-Board Tooling:** Complete vehicle tool kit, 12-ton hydraulic jack, 3 kg fire extinguisher, first aid kit, and hazard triangle.
- **Work Lights:** 2 white LED work lights mounted on the cab roof + 2 amber rotating beacons.
- **Storage Compartments:** Overhead shelf unit with 4 DIN slots above windshield, under-passenger-seat box, central storage console.
- **Active Safety:** ESP (Electronic Stability Program), ASR (Anti-slip Regulation), cruise control, and speed limiter.
- **Warning Systems:** Acoustic reverse alarm with mute function and automatic hazard warning lights during emergency braking.

BODY INTERFACES & FIFTH WHEEL COUPLING

EQUIPMENT / INTERFACE	DETAILS & SPECIFICATIONS
Fifth Wheel Coupling	JOST JSK 38 C 3.5-inch (Height 190 mm, plate 40 mm). Rubber articulated mount with automatic lubrication system. Technical load rating up to 36,000 kg.
Trailer Connections	2-line pneumatic connections behind the cab. Electrical sockets 24V (7+7 pin) and dedicated ABS socket complete with spiral cables.
Towing Equipment	ROCKINGER SK5 towing coupling mounted on the rear crossmember. Front maneuvering coupling integrated into bumper with removable pin and two size-3 C-shackles.
Electronic Interfaces	Digital data exchange interface (Fit Application) and Extended I/O signal output module (EIO). Factory preparation for gearbox PTO.