



TGS 6x2 Midlift Lite Tractor

Chassis Specification: TGS 24.400 6x2/2 BLS
EURO 5 TGS 24.440 6x2/2 BLS

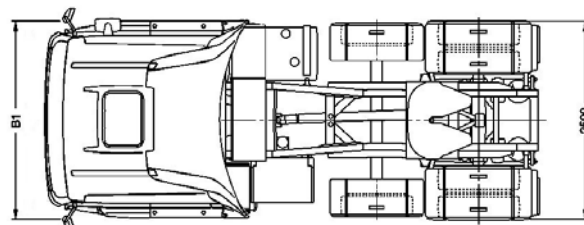
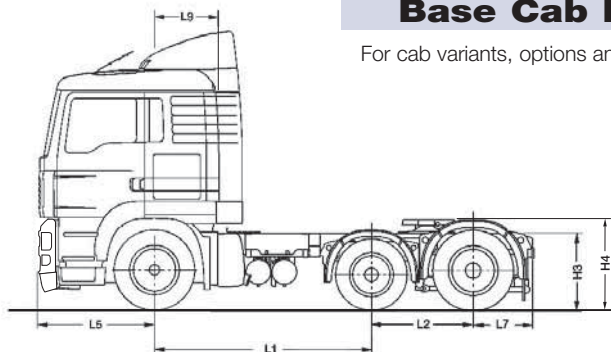
TGS 24.400 6x2/2 BLS Midlift Lite Tractor TGS 24.440 6x2/2 BLS Midlift Lite Tractor

Chassis Specification

Base Cab Model

TGS 'L' Cab

For cab variants, options and specifications see separate TGS cab specification sheet



Vehicle Dimensions (mm)

L1	Wheelbase	2800
L2	Rear bogie spread	1100
L5	Front overhang	1475
L7	Rear overhang	800
L9	Centre line front axle to back of cab	805
B1	Width across wings	2500
H3	Frame height at centre rear wheels	- laden 942 - unladen 972
H4	Standard 5th wheel height	- laden 1205 - unladen 1235

Turning Circle

WTW	Wall to Wall	14700
KTK	Kerb to Kerb	13000
	Optimum 5th wheel position for standard specification	885

Unladen Weights (kg +/- 2.5%)

Front axle	5015
Rear axle	2665
Total	7680

N.B. Unladen weights are for vehicle in standard specification with full tank of fuel and without driver.

Plated/Operating Weights (kg)

	Design	UK Legal
GCW Gross Combination Weight	44000	40000 ⁽¹⁾ /44000 ⁽²⁾
GVW Gross Vehicle Weight	23000	23000
Front axle	7500	7100
Midlift axle	5500	5200 ⁽¹⁾ /5000 ⁽²⁾
Drive axle	11500	10800 ⁽¹⁾ /10500 ⁽²⁾

N.B. Tyre changes can effect legal weights. ⁽¹⁾@ 40000 kg or below ⁽²⁾above 40000 kg.

Optional Equipment & Weights (kg)

	Front	Rear	Total		Front	Rear	Total
D20 EGR Engine in lieu of D26 EGR engine	-25	0	-25	225 Ah Batteries	+30	0	+30
Fixed 5th wheel	+12	-61	-49	Door extensions	+12	0	+12
16 Speed manual gearbox	+36	+29	+65	Air Conditioning	+40	0	+40
ZF PTO NH/4	+4	+3	+7	'M' Day cab	-225	0	-225
ZF PTO N221/10	+8	+7	+15	'LX' Sleeper cab	+20	0	+20
Alloy Air Tanks	-4	-11	-15	Lead up ramps	-6	+32	+26
Windows in rear cab wall	+12	0	+12	ADR Preparation	+30	+10	+40
9.00 x 22.5 Alcoa Alloy Wheels	-38	-102	-140	All weights indicated above are subject to +/- 2.5% manufacturer's tolerance.			
3 piece steel bumper	+88	-24	+64				

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Chassis Specification

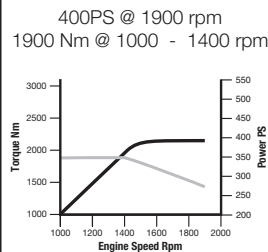
Engine Model

D20, 6 Cylinder in-line, 10.5 litre (Euro 5)
D26, 6 Cylinder in-line, 12.4 litre (Euro 5)

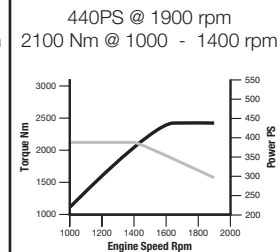
Features

- Exhaust Gas Recirculation (EGR)
- Common Rail EDC
- Cruise Control
- Exhaust valve brake
- Road speed limiter set not to exceed 56mph (90kph)
- On-board diagnostics with NO_x control

D2066 EGR 400PS



D2676 EGR 440PS



Power

Torque

Performance

@44000 kg

Engine Power	Gearbox	Axle Ratio	Geared Road Speed (mph)	Engine RPM @55 mph	Engine RPM @50 mph	Starting Grade	Tyre Size
400PS	12AS2130 DD	3.08:1	69.2	1510	1372	33%+	295/80R22.5
440PS	12AS2130 DD	2.85:1	74.8	1397	1270	33%+	295/80R22.5

Clutch

Single plate 430mm diameter, non asbestos

Axles

Steer VOK-07 drop beam
Midlift Axle LO-06 non steering
Drive Axle HY-1350 single reduction

Braking System

Type Electronic Brake System (EBS) with Anti-lock Braking System (ABS) and ASR traction control

Features Vented disc brakes, 2 line trailer brake connections and pad wear indicators

Parking Brake Spring brakes on rear axles

Gearbox

MAN Tipmatic 12 speed automated gearbox

Ratios

Forward

1	15.86	2	12.33	3	9.57
4	7.44	5	5.87	6	4.57
7	3.47	8	2.70	9	2.10
10	1.63	11	1.29	12	1.00

Reverse

14.68

Suspension

Steer Axle Taperleaf Springs
Hydraulic Dampers
Stabiliser

Midlift Axle 2 Bag Air
Hydraulic Dampers
Air Operated Lift

Drive Axle ECAS Controlled
4 Bag Air
Hydraulic Dampers
4-Point Control Arm

Steering Gear

Type ZF 8098 Servocom hydraulically assisted.

Manual Gearbox Options

16 speed gearbox, with range change and splitter.

Wheels & Tyres

Steer Axle Tyres 295/80R 22.5 steer tread
Wheels 9.00x22.5

Midlift Axle Tyres 285/70R 19.5 steer tread
Wheels 7.50x19.5

Drive Axle Tyres 295/80R 22.5 drive tread
Wheels 9.00x22.5

Exhaust System

Ground discharge silencer

Frame

Construction Bolted and Riveted
Material High tensile steel
Section 270 x 85 x 8mm
940 - 762mm waisted

General Equipment

Adjustable roof blade air management with cab side deflectors (sleeper models only)

Sliding fifth wheel and base plate

3 piece plastic rear wings and spray reduction mats

Catwalk

Hoses and couplings including ABS lead

Coupling lamp

Rear axle diff lock

Fuel Tank

Capacity 450 Litre
Section Rectangular Aluminium with Integral Step
RHS mounted
Locking cap

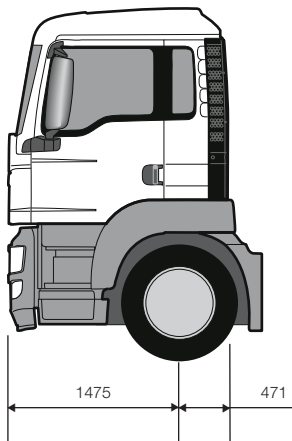
Electrical System

Type MANTronic CAN bus system with central on board computer and vehicle management computer

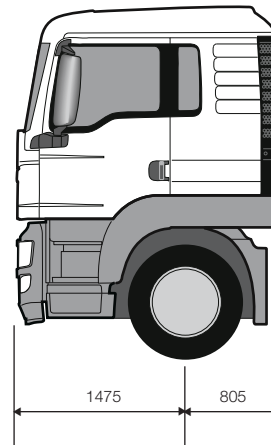
Voltage 24v
Alternator 80 Amp
Batteries 2 x 12v 175Ah

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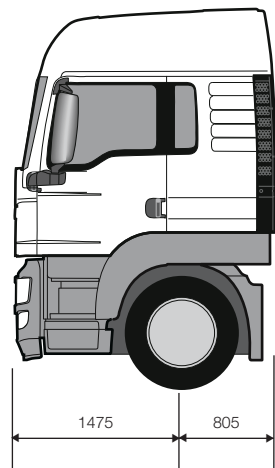
Cab Options



'M' Day Cab
Additional weight: -225 kg



'L' Sleeper - Standard
Additional Weight: 0 kg



'LX' Sleeper
Additional Weight: 20 kg

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