



## **TGS 6x2 Midlift Lite Tractor**

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

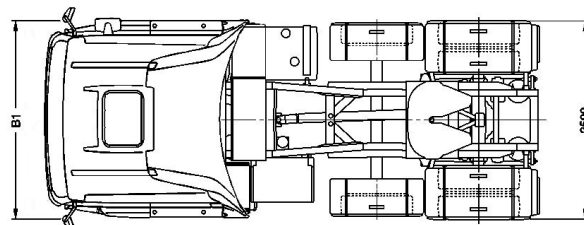
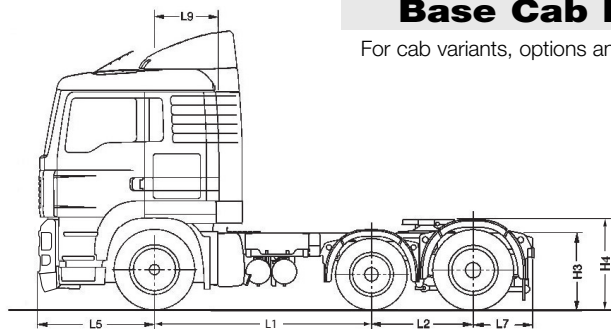
# TGS 24.400 6x2/2 BLS Midlift Lite Tractor TGS 24.440 6x2/2 BLS Midlift Lite Tractor

## Chassis Specification

### Base Cab Model

### TGS 'L' Cab

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



### Vehicle Dimensions (mm)

|           |                                       |                      |              |
|-----------|---------------------------------------|----------------------|--------------|
| <b>L1</b> | <b>Wheelbase</b>                      | <b>2800</b>          |              |
| 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                    | 2490                 |              |
| H3        | Frame height at centre rear wheels    | - laden<br>- unladen | 945<br>975   |
| H4        | Standard 5th wheel height             | - laden<br>- unladen | 1208<br>1238 |

### Turning Circle

|     |   |       |
|-----|---|-------|
| WTW | Wall to Wall  | 14800 |
| 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 <sup>(1)</sup> /44000 <sup>(2)</sup> |
| GVW Gross Vehicle Weight     | 23000  | 23000                                      |
| Front axle                   | 7500   | 7100                                       |
| Midlift axle                 | 5500   | 5200 <sup>(1)</sup> /5000 <sup>(2)</sup>   |
| Drive axle                   | 11500  | 10800 <sup>(1)</sup> /10500 <sup>(2)</sup> |

N.B. Tyre changes can effect legal weights. <sup>(1)</sup>@ 40000 kg or below <sup>(2)</sup>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                 | +1    | 0    | +1    | 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

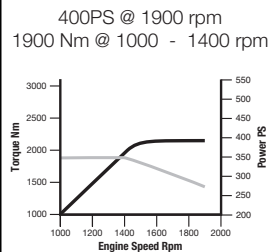
### Engine Model

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

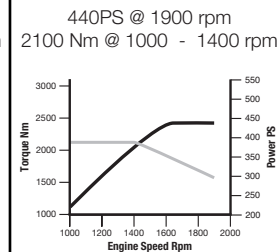
#### Features

- Exhaust Gas Recirculation (EGR)
- Common Rail EDC
- Cruise Control
- Exhaust valve brake
- Road speed limiter set not to exceed 89kph
- On-board diagnostics with NO<sub>x</sub> 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     | 73                      | 1427               | 1297               | 33%+           | 295/80R22.5 |
| 440PS        | 12AS2130 DD | 2.85:1     | 79                      | 1320               | 1200               | 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 Parabolic 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.

### Frame

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

### 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

### General Equipment

Adjustable roof blade air management with cab side deflectors (sleeper models only)  
Sliding fifth wheel  
3 piece plastic rear wings and spray reduction mats  
Catwalk  
Hoses and couplings including ABS lead  
Coupling lamp  
Rear axle diff lock  
Heated Separ water trap  
Telemetry interface module

### Fuel Tank

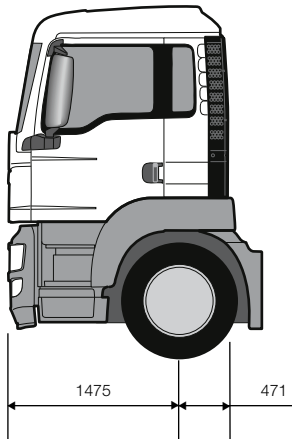
Capacity 450 Litre  
Section Rectangular Aluminium with Integral Step  
RHS mounted  
Locking cap

### Electrical System

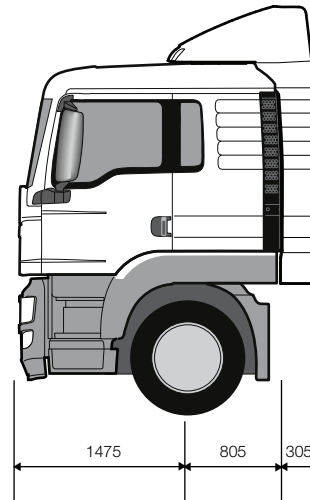
Type MANTronic CAN bus system with central on board computer and vehicle management computer  
Voltage 24v  
Alternator 120 Amp  
Batteries 2 x 12v 175Ah

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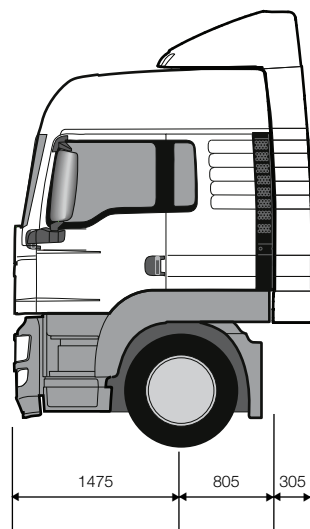
## Cab Options



'M' Day Cab  
Additional weight: -225 kg



'L' Sleeper - Standard  
Additional Weight: 0 kg



'LX' Sleeper  
Additional Weight: 20 kg

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