



## **TGS 4x2 Drawbar**

Chassis Specification: TGS 18.360 4x2 BL  
EURO 5 TGS 18.400 4x2 BL  
TGS 18.440 4x2 BL

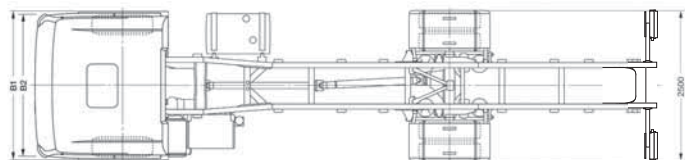
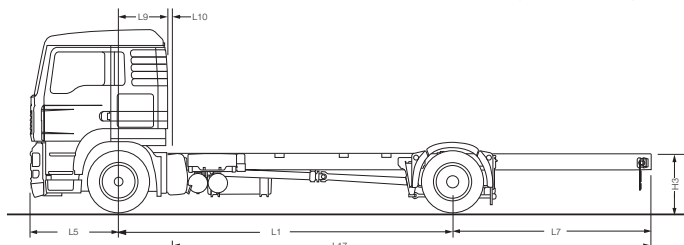
# TGS 18.360 4x2 BL Drawbar TGS 18.400 4x2 BL Drawbar TGS 18.440 4x2 BL Drawbar

## Chassis Specification

### Base Cab Model

### TGS 'L' Cab

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



### Vehicle Dimensions (mm)

|           |  | 4800        | 5100        | 5500        | 5900        | 6300        | 6700        |       |
|-----------|--|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| <b>L1</b> | <b>Wheelbase</b>                             | <b>4800</b> | <b>5100</b> | <b>5500</b> | <b>5900</b> | <b>6300</b> | <b>6700</b> |       |
| L5        | Front overhang                               | 1475        | 1475        | 1475        | 1475        | 1475        | 1475        |       |
| L7        | Rear overhang                                | 2500        | 2900        | 3200        | 3400        | 3700        | 3400        |       |
| L9        | Centre line front axle to back of cab        | 805         | 805         | 805         | 805         | 805         | 805         |       |
| L10       | Back of cab to foremost body/equip. position | 80          | 80          | 80          | 80          | 80          | 80          |       |
| L17       | Min. recommended body length                 | 5460        | 5921        | 6533        | 7140        | 7747        | 8359        |       |
|           |  | ft.ins      | 17'10"      | 19'5"       | 21'5"       | 23'5"       | 27'5"       |       |
|           | Max. recommended body length                 | 6348        | 6870        | 7560        | 8247        | 8935        | 9672        |       |
|           |  | ft.ins      | 20'9"       | 22'6"       | 24'9"       | 27'0"       | 29'3"       | 31'7" |
| B1        | Width across wings                           | 2500        | 2500        | 2500        | 2500        | 2500        | 2500        |       |
| B2        | Cab width over doors                         | 2240        | 2240        | 2240        | 2240        | 2240        | 2240        |       |
| H3        | Frame height at centre rear wheels           |             |             |             |             |             |             |       |
|           | - laden                                      | 938         | 938         | 938         | 938         | 938         | 938         |       |
|           | - unladen                                    | 968         | 968         | 968         | 968         | 968         | 968         |       |

Other wheelbases available: 3,600, 3,900, 4,200, 4,500 - Contact MAN Product Engineering, Swindon for further information  
Recommended body length only applicable to bodies with UDL, without auxiliary equipment and vehicle to base specification

### Turning Circle

|     |              |       |       |       |       |       |       |
|-----|--------------|-------|-------|-------|-------|-------|-------|
| WTW | Wall to Wall | 18500 | 19500 | 20700 | 22000 | 23200 | 24500 |
| KTK | Kerb to Kerb | 16800 | 17800 | 19000 | 20300 | 21500 | 22800 |

### Unladen Weights (kg +/- 2.5%)

|            |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|
| Front axle | 4755 | 4780 | 4800 | 4815 | 4830 | 4845 |
| Rear axle  | 2355 | 2390 | 2420 | 2455 | 2490 | 2510 |
| Total      | 7110 | 7170 | 7220 | 7270 | 7320 | 7355 |

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

### Plated/Operating Weights (kg)

|                          | Design | UK Legal |
|--------------------------|--------|----------|
| GTW Gross Train Weight   | 44000  | 40000    |
| GVW Gross Vehicle Weight | 19000  | 18000    |
| Front axle               | 8000   | 7500     |
| Rear axle                | 13000  | 11500    |

N.B. Tyre changes can effect legal weights.

### Optional Equipment & Weights (kg)

|                                | Front | Rear | Total |                             | Front | Rear | Total |
|--------------------------------|-------|------|-------|-----------------------------|-------|------|-------|
| 16 Speed manual gearbox        | +45   | +20  | +65   | Air Conditioning            | +40   | 0    | +40   |
| ZF PTO NH/4                    | +5    | +2   | +7    | 'M' Day cab                 | -155  | 0    | -155  |
| Alloy Air Tanks                | -11   | -4   | -15   | 'LX' Sleeper cab            | +20   | 0    | +20   |
| Front Air Suspension           | +95   | 0    | +95   | Adjustable cab roof spoiler | +40   | 0    | +40   |
| 9.00 x 22.5 Alcoa Alloy Wheels | -38   | -76  | -114  | ADR Preparation             | +40   | 0    | +40   |
| Door extensions                | +12   | 0    | +12   |                             |       |      |       |
| 225 Ah Batteries               | +30   | 0    | +30   |                             |       |      |       |

All weights indicated above are subject to +/- 2.5% manufacturer's tolerance.

# TGS 18.360 4x2 BL Drawbar TGS 18.400 4x2 BL Drawbar TGS 18.440 4x2 BL Drawbar



## Chassis Specification

| Engine Model  | D2066 SCR 360PS                               | D2066 SCR 400PS                               | D2066 SCR 440PS                               |
|---|---|---|---|
| D20, 6 Cylinder in-line, 10.5 litre (Euro 5)  | 360PS @ 1900 rpm<br>1800 Nm @ 1000 - 1400 rpm | 400PS @ 1900 rpm<br>1900 Nm @ 1000 - 1400 rpm | 440PS @ 1900 rpm<br>2100 Nm @ 1000 - 1400 rpm |
| <b>Features</b> <ul style="list-style-type: none"> <li>• Selective Catalytic Reduction (SCR)</li> <li>• Common Rail EDC</li> <li>• Cruise Control</li> <li>• Exhaust valve brake</li> <li>• Road speed limiter set not to exceed 56mph (90kph)</li> <li>• On-board diagnostics with NO<sub>x</sub> control</li> </ul> |   |   |   |
|   | Power   | Torque  | Torque  |

| Performance  |             |            |                         |                    |                    |                | @40000 kg   |
|--------------|-------------|------------|-------------------------|--------------------|--------------------|----------------|-------------|
| Engine Power | Gearbox     | Axle Ratio | Geared Road Speed (mph) | Engine RPM @55 mph | Engine RPM @50 mph | Starting Grade | Tyre Size   |
| 360PS        | 12AS2130 DD | 3.08:1     | 71.1                    | 1470               | 1335               | 33%+           | 315/70R22.5 |
| 400PS        | 12AS2130 DD | 2.85:1     | 76.9                    | 1360               | 1236               | 33%+           | 315/70R22.5 |
| 440PS        | 12AS2130 DD | 2.85:1     | 76.9                    | 1360               | 1236               | 33%+           | 315/70R22.5 |

**Clutch**  
Single plate 430mm diameter, non asbestos

**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

**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 - 762 waisted

**Fuel Tank**  
Capacity 400 Litre  
Section Rectangular Steel  
RHS mounted  
Locking cap

**Axles**  
Steer Axle VOK-08 drop beam  
Drive Axle HY-1350 single reduction

**Suspension**  
Steer Axle Parabolic springs with shock absorbers and stabiliser  
Drive Axle ECAS Controlled  
4 Bag Air  
Hydraulic Dampers  
4-Point Control Arm

**Wheels & Tyres**  
Steer Axle Tyres 315/70R 22.5 steer tread  
Wheels 9.00x22.5  
Drive Axle Tyres 315/70R 22.5 traction tread  
Wheels 9.00x22.5

**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

**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 axle

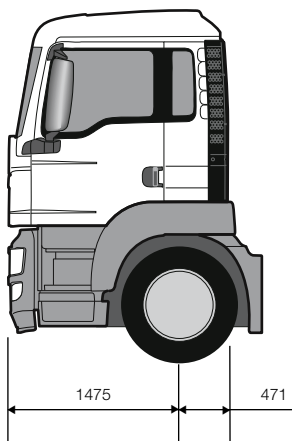
**Steering Gear**  
Type ZF 8098 Servocom hydraulically assisted.

**Exhaust System**  
Ground discharge silencer.

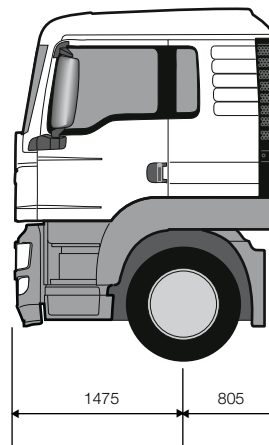
**General Equipment**  
Chassis side guards  
3 piece plastic rear wings and spray reduction mats  
Rear axle diff lock  
35 litre AdBlue tank

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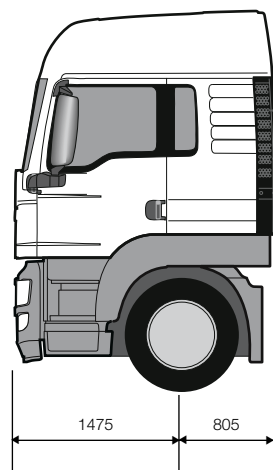
**Cab Options**



'M' Day Cab  
Additional weight: -155 kg



'L' Sleeper - Standard  
Additional Weight: 0 kg



'LX' Sleeper  
Additional Weight: 20 kg

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