



## **TGL 7.5 Tonne 4x2 Tipper**

Chassis Specification:    TGL 8.150 4x2 BB  
                                      TGL 8.180 4x2 BB



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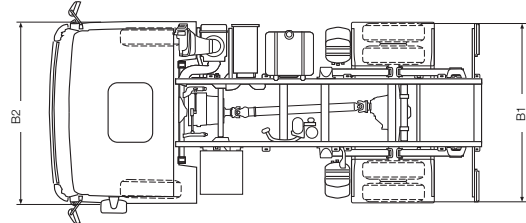
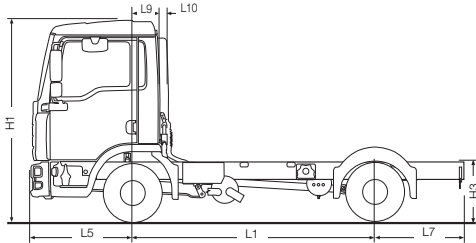
# TGL 8.180 7.5 Tonne 4x2 BB Tipper

## Chassis Specification

### Base Cab Model

### TGL C Cab

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



### Vehicle Dimensions (mm)

|     |                                              | 3050 | 3300  | 3600 |
|-----|----------------------------------------------|------|-------|------|
| L1  | Wheelbase                                    |      |       |      |
| L5  | Front overhang                               | 1293 | 1293  | 1293 |
| L7  | Rear overhang                                | 1075 | 1775* | 1275 |
| L9  | Centre line front axle to back of cab        | 500  | 500   | 500  |
| L10 | Back of cab to foremost body/equip. position | 80   | 80    | 80   |
| B1  | Width across rear tyres                      | 2204 | 2204  | 2204 |
| B2  | Cab width over wings                         | 2300 | 2300  | 2300 |
| H1  | Cab height                                   |      |       |      |
|     | - laden                                      | 2577 | 2577  | 2577 |
|     | - unladen                                    | 2628 | 2628  | 2628 |
| H3  | Frame height at centre rear wheels           |      |       |      |
|     | - laden                                      | 774  | 774   | 774  |
|     | - unladen                                    | 862  | 862   | 862  |

\*Rear overhang will require shortening to suit tipper operation.

### Turning Circle

|     |              |       |       |       |
|-----|--------------|-------|-------|-------|
| WTW | Wall to Wall | 12400 | 13100 | 14000 |
| KTK | Kerb to Kerb | 10700 | 11500 | 12300 |

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

|            |      |      |      |
|------------|------|------|------|
| Front axle | 2565 | 2565 | 2570 |
| Rear axle  | 785  | 810  | 820  |
| Total      | 3350 | 3375 | 3390 |

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             |
|--------------------------|----------------------|----------------------|
| GTW Gross Train Weight   | 18700 <sup>(1)</sup> | 18700 <sup>(1)</sup> |
| GVW Gross Vehicle Weight | 7500                 | 7500                 |
| Front axle               | 3400                 | 3400                 |
| Rear axle                | 5200                 | 5200                 |

N.B. Tyre changes can effect legal weights. <sup>(1)</sup> Maximum value, subject to specification.

### Optional Equipment & Weights (kg)

|                                          | Front | Rear | Total |                                          | Front | Rear | Total |
|------------------------------------------|-------|------|-------|------------------------------------------|-------|------|-------|
| 180PS Engine In Lieu Of 150PS Engine     | +10   | 0    | +10   | 200 Litre Steel Fuel Tank (3600 wb only) | +12   | +15  | +27   |
| Exhaust Valve Brake (EVB)                | +7    | 0    | +7    | Differential Lock                        | 0     | +4   | +4    |
| 140 Ah Batteries                         | +15   | +5   | +20   | Air Conditioning                         | +25   | 0    | +25   |
| 150 Litre Steel Fuel Tank (3600 wb only) | +9    | +11  | +20   | Steel Front Bumper                       | +45   | -6   | +39   |
|                                          |       |      |       | EEV Engine                               | +4    | 0    | +4    |

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

# TGL 8.150 7.5 Tonne 4x2 BB Tipper TGL 8.180 7.5 Tonne 4x2 BB Tipper

## Chassis Specification



| Engine Model                                                                                                                                                                                                                                                                                        |                                                  | D0834 LFL63 150 PS                                                                           |                                                                                         | D0834 LFL64 180 PS                                                        |                                                                   |                |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------|----------------|-----------|
| 4 Cylinder in-line, 4.6 litre (Euro 5)                                                                                                                                                                                                                                                              |                                                  | 150PS @ 2400 rpm<br>570 Nm @ 1400 rpm                                                        |                                                                                         | 180PS @ 2400 rpm<br>700 Nm @ 1400 rpm                                     |                                                                   |                |           |
| <b>Features</b> <ul style="list-style-type: none"><li>Exhaust Gas Recirculation (EGR)</li><li>Common Rail EDC</li><li>Cruise Control</li><li>Exhaust brake</li><li>Road speed limiter set to 89 kph</li><li>On-board diagnostics with NO<sub>x</sub> control</li><li>Optional EEV engines</li></ul> |                                                  | <b>Maximum Power</b><br><b>Peak Torque</b><br><br><b>Graph Legend</b><br>Power<br><br>Torque |                                                                                         |                                                                           |                                                                   |                |           |
|                                                                                                                                                                                                                                                                                                     |                                                  |                                                                                              |                                                                                         |                                                                           |                                                                   |                |           |
| Performance                                                                                                                                                                                                                                                                                         |                                                  | @7500 kg                                                                                     |                                                                                         |                                                                           |                                                                   |                |           |
| Engine Power                                                                                                                                                                                                                                                                                        | Gearbox                                          | Axle Ratio                                                                                   | Geared Road Speed (mph)                                                                 | Engine RPM @55 mph                                                        | Engine RPM @50 mph                                                | Starting Grade | Tyre Size |
| 150PS                                                                                                                                                                                                                                                                                               | 6S800 OD                                         | 4.11:1                                                                                       | 72                                                                                      | 1842                                                                      | 1674                                                              | 33%+           | 9.5R17.5  |
| 180PS                                                                                                                                                                                                                                                                                               | 6S800 OD                                         | 4.11:1                                                                                       | 72                                                                                      | 1842                                                                      | 1674                                                              | 33%+           | 9.5R17.5  |
| Clutch                                                                                                                                                                                                                                                                                              |                                                  | Axles                                                                                        |                                                                                         | Braking System                                                            |                                                                   |                |           |
| Single plate 395mm diameter, asbestos free lining                                                                                                                                                                                                                                                   |                                                  | Steer                                                                                        | VOK-05 drop beam                                                                        | Type                                                                      | Electronic Brake System (EBS) with Anti-lock Braking System (ABS) |                |           |
|                                                                                                                                                                                                                                                                                                     |                                                  | Drive                                                                                        | HY-0718 single reduction drive axle                                                     | Features                                                                  | Disc brakes, air dryer, asbestos free linings and brake assistant |                |           |
|                                                                                                                                                                                                                                                                                                     |                                                  |                                                                                              |                                                                                         | Parking Brake                                                             | Spring brakes on rear axle                                        |                |           |
| Gearbox                                                                                                                                                                                                                                                                                             |                                                  | Suspension                                                                                   |                                                                                         | Steering Gear                                                             |                                                                   |                |           |
| ZF synchromesh gearbox                                                                                                                                                                                                                                                                              |                                                  | Steer Axle                                                                                   | Parabolic Springs with Shock Absorbers and Stabiliser                                   | Type                                                                      | C300 Servocom hydraulically assisted.                             |                |           |
| 6S800 6 speed Ratios                                                                                                                                                                                                                                                                                |                                                  | Drive Axle                                                                                   | Parabolic Springs with Shock Absorbers and Stabiliser                                   |                                                                           |                                                                   |                |           |
| 1 6.58                                                                                                                                                                                                                                                                                              |                                                  |                                                                                              |                                                                                         |                                                                           |                                                                   |                |           |
| 2 3.60                                                                                                                                                                                                                                                                                              |                                                  |                                                                                              |                                                                                         |                                                                           |                                                                   |                |           |
| 3 2.13                                                                                                                                                                                                                                                                                              |                                                  |                                                                                              |                                                                                         |                                                                           |                                                                   |                |           |
| 4 1.39                                                                                                                                                                                                                                                                                              |                                                  |                                                                                              |                                                                                         |                                                                           |                                                                   |                |           |
| 5 1.00                                                                                                                                                                                                                                                                                              |                                                  |                                                                                              |                                                                                         |                                                                           |                                                                   |                |           |
| 6 0.78                                                                                                                                                                                                                                                                                              |                                                  |                                                                                              |                                                                                         |                                                                           |                                                                   |                |           |
| R 6.06                                                                                                                                                                                                                                                                                              |                                                  |                                                                                              |                                                                                         |                                                                           |                                                                   |                |           |
| Frame                                                                                                                                                                                                                                                                                               |                                                  | Wheels & Tyres                                                                               |                                                                                         | Exhaust System                                                            |                                                                   |                |           |
| Construction                                                                                                                                                                                                                                                                                        | Bolted and Riveted                               | Wheels                                                                                       | Steel 6.00x17.5                                                                         | Ground discharge silencer, incorporating diesel oxidation catalyst (DOC). |                                                                   |                |           |
| Material                                                                                                                                                                                                                                                                                            | High tensile steel                               | Tyres                                                                                        | Steer 9.5R 17.5 steer tread                                                             |                                                                           |                                                                   |                |           |
| Section                                                                                                                                                                                                                                                                                             | 220 x 70 x4.5mm                                  |                                                                                              | Drive 9.5R 17.5 traction tread                                                          |                                                                           |                                                                   |                |           |
| Frame Width                                                                                                                                                                                                                                                                                         | 859mm                                            |                                                                                              |                                                                                         |                                                                           |                                                                   |                |           |
|                                                                                                                                                                                                                                                                                                     |                                                  |                                                                                              |                                                                                         |                                                                           |                                                                   |                |           |
| Fuel Tank                                                                                                                                                                                                                                                                                           |                                                  | Electrical System                                                                            |                                                                                         | General Equipment                                                         |                                                                   |                |           |
| Capacity                                                                                                                                                                                                                                                                                            | 100 Litre                                        | Type                                                                                         | MANTronic CAN bus system with central on board computer and vehicle management computer | Electronic immobiliser.                                                   |                                                                   |                |           |
| Section                                                                                                                                                                                                                                                                                             | Rectangular Plastic RHS mounted with locking cap | Voltage                                                                                      | 24v                                                                                     | Fuel filter with water separator.                                         |                                                                   |                |           |
|                                                                                                                                                                                                                                                                                                     |                                                  | Alternator                                                                                   | 80 Amp                                                                                  | Manual door locking.                                                      |                                                                   |                |           |
|                                                                                                                                                                                                                                                                                                     |                                                  | Batteries                                                                                    | 2 x 12v 88Ah                                                                            | NL/4C PTO.                                                                |                                                                   |                |           |
|                                                                                                                                                                                                                                                                                                     |                                                  |                                                                                              |                                                                                         | Audible reverse warning with night silent.                                |                                                                   |                |           |
|                                                                                                                                                                                                                                                                                                     |                                                  |                                                                                              |                                                                                         | Manual mirrors                                                            |                                                                   |                |           |

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**TGL 8.150 7.5 Tonne 4x2 BB Tipper**  
**TGL 8.180 7.5 Tonne 4x2 BB Tipper**  
Cab Options



'C' Day Cab - Standard  
Additional weight: 0 kg

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