



## **TGM 18 Tonne 4x2 Rigid**

Chassis Specification:    TGM 18.250 4x2 BL  
                                      TGM 18.290 4x2 BL  
                                      TGM 18.340 4x2 BL



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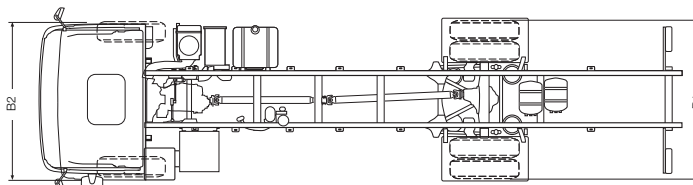
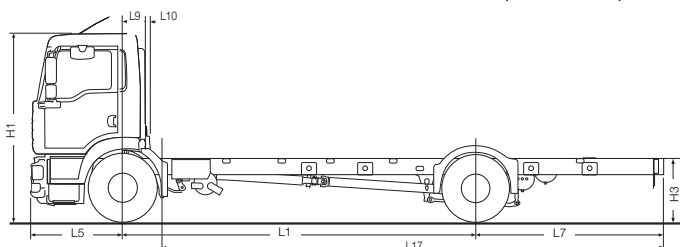
# TGM 18.340 18 Tonne 4x2 BL Rigid

## Chassis Specification

### Base Cab Model

### TGM C Cab

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



## Vehicle Dimensions (mm)

| L1  | Wheelbase                                    | 4425      | 4725  | 5075  | 5425  | 5775  | 6175   | 6575  | 6975  |
|-----|----------------------------------------------|-----------|-------|-------|-------|-------|--------|-------|-------|
| L5  | Front overhang                               | 1400      | 1400  | 1400  | 1400  | 1400  | 1400   | 1400  | 1400  |
| L7  | Rear overhang                                | 2325      | 2475  | 2675  | 2875  | 3075  | 3275   | 2675  | 2675  |
| L9  | Centre line front axle to back of cab        | 480       | 480   | 480   | 480   | 480   | 480    | 480   | 480   |
| L10 | Back of cab to foremost body/equip. position | 50        | 50    | 50    | 50    | 50    | 50     | 50    | 50    |
| L17 | Min. recommended body length                 | mm        | 5371  | 5810  | 6330  | 6840  | 7350   | 7945  | 8560  |
|     |                                              | ft.ins.   | 17'7" | 19'0" | 20'9" | 22'5" | 24'1"  | 26'0" | 28'0" |
|     | Max. recommended body length                 | mm        | 5790  | 6265  | 6815  | 7360  | 7910   | 8540  | 9195  |
|     |                                              | ft.ins.   | 19'0" | 20'6" | 22'4" | 24'1" | 25'11" | 28'0" | 30'1" |
| B1  | Width across rear tyres                      | 2422      | 2422  | 2422  | 2422  | 2422  | 2422   | 2422  | 2422  |
| B2  | Cab width over wings                         | 2490      | 2490  | 2490  | 2490  | 2490  | 2490   | 2490  | 2490  |
| H1  | Cab height                                   | - laden   | 2856  | 2856  | 2856  | 2856  | 2856   | 2856  | 2856  |
|     |                                              | - unladen | 2946  | 2946  | 2946  | 2946  | 2946   | 2946  | 2946  |
| H3  | Frame height at centre rear wheels           | - laden   | 960   | 960   | 960   | 960   | 960    | 960   | 960   |
|     |                                              | - unladen | 990   | 990   | 990   | 990   | 990    | 990   | 990   |

Recommended body length only applicable to bodies with UDL without auxiliary equipment and vehicle to base specification.

Please refer to current Product Marketing Bulletin for recommended body lengths with sleeper cabs.

6575mm and 6975mm wheelbases are not available with rear steel suspension.

## Turning Circle

|     |              |       |       |       |       |       |       |       |       |
|-----|--------------|-------|-------|-------|-------|-------|-------|-------|-------|
| WTW | Wall to Wall | 17200 | 18200 | 19300 | 20400 | 21500 | 22700 | 23500 | 24700 |
| KTW | Kerb to Kerb | 15600 | 16500 | 17600 | 18700 | 19800 | 21100 | 21900 | 23100 |

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

|            |      |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|------|
| Front axle | 3555 | 3575 | 3590 | 3605 | 3620 | 3635 | 3665 | 3680 |
| Rear axle  | 1805 | 1815 | 1820 | 1840 | 1860 | 1860 | 1830 | 1830 |
| Total      | 5360 | 5390 | 5410 | 5445 | 5480 | 5500 | 5495 | 5510 |

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   | 33000 <sup>(1)</sup>     | 33000 <sup>(1)</sup>     |
| GVW Gross Vehicle Weight | 18000                    | 18000                    |
| Front axle               | 7100/7500 <sup>(2)</sup> | 7100/7500 <sup>(2)</sup> |
| Rear axle                | 11500                    | 11500                    |

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

<sup>(2)</sup> Only with Data Conversion File, Suspension and suitable Tyres.

## Optional Equipment & Weights (kg)

|                                      | Front | Rear | Total |                                       | Front | Rear | Total |
|--------------------------------------|-------|------|-------|---------------------------------------|-------|------|-------|
| 290PS Engine In Lieu Of 250PS Engine | +10   | 0    | +10   | Adjustable Cab Roof Spoiler           | +37   | 0    | +37   |
| 340PS in lieu of 250PS engine        | +15   | 0    | +15   | 9 Speed 9S1310 OD Manual Transmission | -10   | 0    | -10   |
| Exhaust Valve Brake (EVB)            | +7    | 0    | +7    | Document Box (Day Cab Only)           | +5    | 0    | +5    |
| Air Conditioning                     | +25   | 0    | +25   | MAN Alloy Wheels 8.25x22.5            | -30   | -60  | -90   |
| Rear Axle Parabolic Leaf Suspension  | 0     | -60  | -60   | MAN Alloy Wheels 9.00x22.5            | -36   | -72  | -108  |
| L Sleeper Cab                        | +170  | 0    | +170  | EEV Engine                            | +4    | 0    | +4    |
| LX Sleeper Cab                       | +235  | 0    | +235  |                                       |       |      |       |

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

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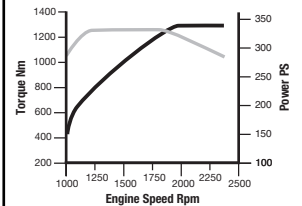
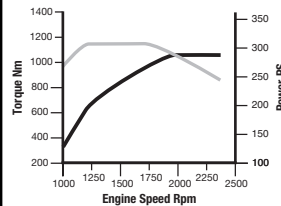
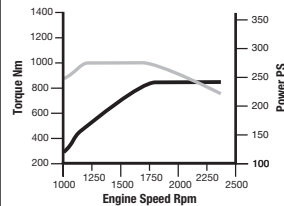
## TGM 18.290 18 Tonne 4x2 BL Rigid

## TGM 18.340 18 Tonne 4x2 BL Rigid



### Chassis Specification

| Engine Model                                                                                                                                                                                                                                                                                                                                            |                      | D0836 LFL63 250 PS      | D0836 LFL64 290 PS      | D0836 LFL65 340 PS      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------|-------------------------|-------------------------|
| 6 Cylinder in-line, 6.9 litre<br>(Euro 5)<br><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 engine</li> </ul> | <b>Maximum Power</b> | 250PS @ 2300 rpm        | 290PS @ 2300 rpm        | 340PS @ 2300 rpm        |
|                                                                                                                                                                                                                                                                                                                                                         | <b>Peak Torque</b>   | 1000 Nm @ 1200-1750 rpm | 1150 Nm @ 1200-1750 rpm | 1250 Nm @ 1200-1800 rpm |
|                                                                                                                                                                                                                                                                                                                                                         | <b>Graph Legend</b>  |                         |                         |                         |
|                                                                                                                                                                                                                                                                                                                                                         | Power                |                         |                         |                         |
|                                                                                                                                                                                                                                                                                                                                                         | Torque               |                         |                         |                         |



| Performance  |             |            |                         |                    |                    |                | @18000 kg   |
|--------------|-------------|------------|-------------------------|--------------------|--------------------|----------------|-------------|
| Engine Power | Gearbox     | Axle Ratio | Geared Road Speed (mph) | Engine RPM @55 mph | Engine RPM @50 mph | Starting Grade | Tyre Size   |
| 250PS        | 12AS1210 OD | 4.11:1     | 82                      | 1542               | 1402               | 33%+           | 295/80R22.5 |
| 290PS        | 12AS1210 OD | 4.11:1     | 82                      | 1542               | 1402               | 33%+           | 295/80R22.5 |
| 340PS        | 12AS1210 OD | 4.11:1     | 82                      | 1542               | 1402               | 33%+           | 295/80R22.5 |

| Clutch                                            |  |
|---------------------------------------------------|--|
| Single plate 395mm diameter, asbestos free lining |  |

| Gearbox                                 |         |
|-----------------------------------------|---------|
| MAN Tipmatic 12 speed automated gearbox |         |
| Ratios                                  |         |
| 1 10.33                                 | 2 8.40  |
| 4 5.27                                  | 5 4.18  |
| 7 2.47                                  | 8 2.01  |
| 10 1.26                                 | 11 1.00 |
| R1 10.59                                | R2 8.60 |

| Manual Gearbox Option             |  |
|-----------------------------------|--|
| 9S1310 OD*                        |  |
| *Alternative axle ratio required. |  |

| Frame                 |                    |
|-----------------------|--------------------|
| Construction          | Bolted and Riveted |
| Material              | High tensile steel |
| Section               | 270 x 70 x 7mm     |
| Frame Width           | 864mm              |
| Front under run guard |                    |

| Fuel Tank                    |                   |
|------------------------------|-------------------|
| Capacity                     | 300 Litre         |
| Section                      | Rectangular Steel |
| RHS mounted with locking cap |                   |

| Axles |                                     |
|-------|-------------------------------------|
| Steer | VOK-08 drop beam                    |
| Drive | HY-1133 single reduction drive axle |

| Suspension |                                                             |
|------------|-------------------------------------------------------------|
| Steer Axle | Parabolic Springs with Shock Absorbers and Stabiliser       |
| Drive Axle | 4 Bellow Air Suspension with Shock Absorbers and Stabiliser |

| Wheels & Tyres |       |                             |
|----------------|-------|-----------------------------|
| Wheels         | Steel | 8.25x22.5                   |
| Tyres          | Steer | 295/80R 22.5 steer tread    |
|                | Drive | 295/80R 22.5 traction tread |

| 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 140Ah                                                                           |

| Braking System |                                                                   |
|----------------|-------------------------------------------------------------------|
| Type           | Electronic Brake System (EBS) with Anti-lock Braking System (ABS) |
| Features       | Disc brakes, air dryer, asbestos free linings and brake assistant |
| Parking Brake  | Spring brakes on rear axle                                        |

| Steering Gear |                                         |
|---------------|-----------------------------------------|
| Type          | ZF8098 Servocom hydraulically assisted. |

| Exhaust System                                                            |  |
|---------------------------------------------------------------------------|--|
| Ground discharge silencer, incorporating diesel oxidation catalyst (DOC). |  |

| General Equipment                          |  |
|--------------------------------------------|--|
| Electronic immobiliser.                    |  |
| Fuel filter with water separator.          |  |
| Central locking.                           |  |
| Pre wired for cargo space lighting.        |  |
| Body mounting brackets.                    |  |
| Audible reverse warning with night silent. |  |

**TGM 18.250 18 Tonne 4x2 BL Rigid**  
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**Cab Options**



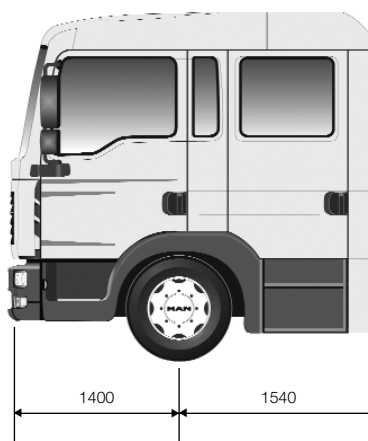
'C' Day Cab - Standard  
Additional weight: 0 kg



'L' Sleeper  
Additional Weight: 170 kg



'LX' Sleeper  
Additional Weight: 235 kg



'DK' Crew  
Additional Weight: 395 kg

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