



TGL 7.5 Tonne 4x2 Tipper

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



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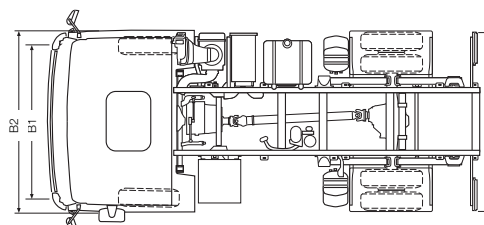
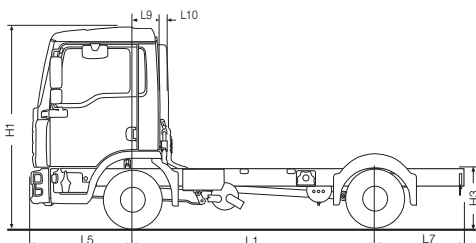
TGL 8.180 7.5 Tonne 4x2 BB Tipper

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 doors	2240	2240	2240
H1	Cab height			
	- laden	2576	2576	2576
	- unladen	2627	2627	2627
H3	Frame height at centre rear wheels			
	- laden	771	771	771
	- unladen	903	903	903

*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 ⁽¹⁾	18700 ⁽¹⁾
GVW Gross Vehicle Weight	7500	7500
Front axle	3400	3400
Rear axle	5200	5200

N.B. Tyre changes can effect legal weights. ⁽¹⁾ 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
S-42 Gearbox (150PS Engine Only)	-43	-15	-58	Differential Lock	0	+4	+4
Exhaust Valve Brake (EVB)	+7	0	+7	Air Conditioning	+25	0	+25
140 Ah Batteries	+15	+5	+20	Steel Front Bumper	+45	-6	+39
150 Litre Steel Fuel Tank (3600 wb only)	+9	+11	+20	EEV Engine	+4	0	+4

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

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Chassis Specification



Engine Model	D0834 LFL63 150 PS	D0834 LFL64 180 PS
4 Cylinder in-line, 4.6 litre (Euro 5)		
Features		
<ul style="list-style-type: none"> Exhaust Gas Recirculation (EGR) Common Rail EDC Cruise Control Exhaust brake Road speed limiter set to 85 kph On-board diagnostics with NO_x control Optional EEV engines 		
Maximum Power	150PS @ 2400 rpm	180PS @ 2400 rpm
Peak Torque	570 Nm @ 1400 rpm	700 Nm @ 1400 rpm
Graph Legend		
Power		
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	71.6	1844	1676	33%+	9.5R17.5
180PS	6S800 OD	4.11:1	71.6	1844	1676	33%+	9.5R17.5

Clutch
150PS Single plate 362mm diameter, asbestos free lining
180PS Single plate 395mm diameter, asbestos free lining

Gearbox
ZF synchromesh gearbox
6S800 6 speed
Ratios
1 6.58
2 3.60
3 2.13
4 1.39
5 1.00
6 0.78
R 6.06

*5 Speed manual gearbox is optional with 150PS engine only

Frame
Construction Bolted and Riveted
Material High tensile steel
Section 220 x 70 x 4.5mm
Frame Width 859mm

Fuel Tank
Capacity 100 Litre
Section Rectangular Plastic
RHS mounted with locking cap

Axles
Steer VOK-05 drop beam
Drive HY-0718 single reduction drive axle

Suspension
Steer Axle Parabolic Springs with Shock Absorbers and Stabiliser
Drive Axle Parabolic Springs with Shock Absorbers and Stabiliser

Wheels & Tyres
Wheels Steel 6.00x17.5
Tyres Steer 9.5R 17.5 steer tread
Drive 9.5R 17.5 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 88Ah

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 C300 Servocom hydraulically assisted.

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

General Equipment
Electronic immobiliser.
Fuel filter with water separator.
Manual door locking.
NL/4C PTO (6 speed gearbox).
NS/2C PTO (5 speed gearbox)
Audible reverse warning with night silent.

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Cab Options



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

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