



TGL 7.5 Tonne 4x2 Fleet Rigid

Chassis Specification: TGL 7.150 4x2 BB
 TGL 7.180 4x2 BB



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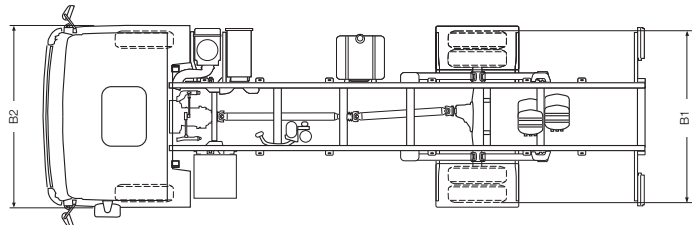
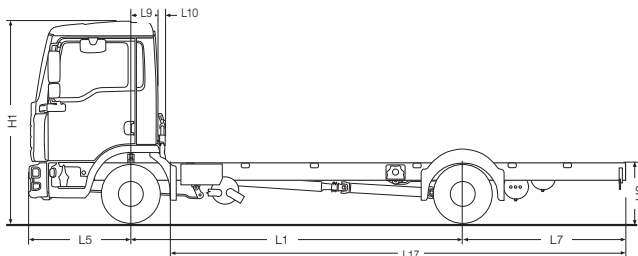
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Chassis Specification

Base Cab Model

TGL C Cab

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



Vehicle Dimensions (mm)

L1	Wheelbase		3300	3600	3900	4200	4500	4850	5200
L5	Front overhang		1293	1293	1293	1293	1293	1293	1293
L7	Rear overhang		1775	1925	2125	2325	2475	2675	2875
L9	Centre line front axle to back of cab		500	500	500	500	500	500	500
L10	Back of cab to foremost body/equip. position		80	80	80	80	80	80	80
L17	Min. recommended body length	mm	4182	4548	5001	5453	5906	6430	6953
		ft.ins.	13'8"	14'11"	16'4"	17'10"	19'4"	21'1"	22'9"
	Max. recommended body length	mm	4700	5180	5660	6140	6620	7180	7740
		ft.ins.	15'5"	16'11"	18'6"	20'1"	21'8"	23'6"	25'4"
B1	Width across rear tyres		2176	2176	2176	2176	2176	2176	2176
B2	Cab width over wings		2300	2300	2300	2300	2300	2300	2300
H1	Cab height	- laden	2535	2535	2535	2535	2535	2535	2535
		- unladen	2581	2581	2581	2581	2581	2581	2581
H3	Frame height at centre rear wheels	- laden	738	738	738	738	738	738	738
		- unladen	829	829	829	829	829	829	829

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

Turning Circle

WTW	Wall to Wall	13100	14000	14900	15800	16700	17800	18800
KTK	Kerb to Kerb	11500	12300	13200	14100	15000	16100	17100

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

Front axle	2545	2480	2470	2465	2460	2455	2450
Rear axle	805	880	900	930	950	980	1005
Total	3350	3360	3370	3395	3410	3435	3455

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	11000 ⁽¹⁾	11000 ⁽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	Adjustable Cab Roof Spoiler	+37	0	+37
Exhaust Valve Brake (EVB)	+7	0	+7	Steel Front Bumper	+45	-6	+39
ECAS Rear Axle Air Suspension	+5	+95	+100	Air Conditioning	+25	0	+25
140 Ah Batteries	+15	+5	+20	Aluminium Air Reservoirs	+1	-9	-8
				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

4 Cylinder in-line, 4.6 litre (Euro 5)

Features

- Exhaust Gas Recirculation (EGR)
- Common Rail EDC
- Cruise Control
- Exhaust brake
- Road speed limiter set to 89 kph
- On-board diagnostics with NO_x control
- Optional EEV engines

Maximum Power Peak Torque

150PS @ 2400 rpm
570 Nm @ 1400 rpm

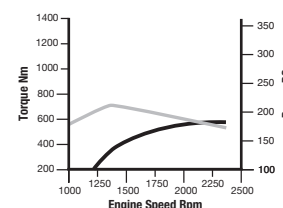
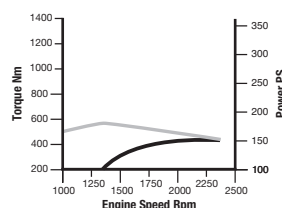
D0834 LFL64 180 PS

180PS @ 2400 rpm
700 Nm @ 1400 rpm

Graph Legend

Power

Torque



Performance

@7500 kg

Engine Power	Gearbox	Axle Ratio	Gear Road Speed (mph)	Engine RPM @55 mph	Engine RPM @50 mph	Starting Grade	Tyre Size
150PS	6AS800 OD	3.36:1	80	1653	1503	33%+	215/75R17.5
180PS	6AS800 OD	3.36:1	80	1653	1503	33%+	215/75R17.5

Clutch

Single plate 395mm diameter, asbestos free lining

Axles

Steer VOK-03 drop beam
Drive HY-0718 single reduction drive axle

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

Gearbox

MAN Tipmatic 6 speed automated gearbox

Ratios

1	6.58
2	3.60
3	2.13
4	1.39
5	1.00
6	0.78
R	6.06

Suspension

Steer Axle Single Parabolic Spring with Shock Absorbers and Stabiliser

Drive Axle Single Parabolic Spring with Shock Absorbers and Stabiliser

Steering Gear

Type C300 Servocom hydraulically assisted.

Manual Gearbox Options

6S800 OD

Wheels & Tyres

Wheels Steel 6.00x17.5
Tyres Steel 215/75R 17.5 steer tread
Drive 215/75R 17.5 traction tread

Exhaust System

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

Frame

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

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

General Equipment

Electronic immobiliser.
Fuel filter with water separator.
Pre wired for cargo space lighting.
Body mounting brackets.
Audible reverse warning with night silent.
Manual door locking.
Manual mirrors.

Fuel Tank

Capacity 150 Litre
Section Rectangular Steel
RHS mounted with locking cap

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Cab Options



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

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