



TGL 7.5 Tonne 4x2 Fleet Rigid

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



MAN EGR: Add Nothing!

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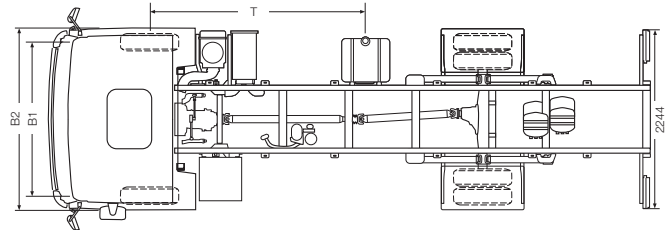
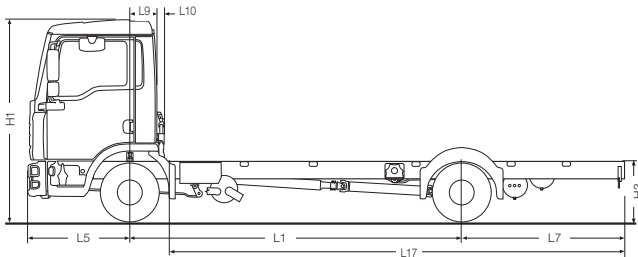
TGL 7.180 7.5 Tonne 4x2 BB Fleet Rigid

Chassis Specification

Base Cab Model

TGL C Cab

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



Vehicle Dimensions (mm)

		3300	3600	3900	4200	4500	4850	5200
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	438*	438*	438*	438*	438*	438*	438*
L10	Back of cab to foremost body/equip. position	82	82	82	82	82	82	82
L17	Min. recommended body length	mm	4000	4650	5050	5450	5950	6450
		ft.ins.	13'2"	15'3"	16'6"	17'10"	19'7"	21'2"
	Max. recommended body length	mm	4760	5240	5720	6200	6680	7240
		ft.ins.	15'7"	17'2"	18'9"	20'4"	21'11"	23'9"
B1	Width across rear tyres	2176	2176	2176	2176	2176	2176	2176
B2	Cab width over doors	2240	2240	2240	2240	2240	2240	2240
H1	Cab height	- laden	2531	2531	2531	2531	2531	2531
		- unladen	2577	2577	2577	2577	2577	2577
H3	Frame height at centre rear wheels	- laden	734	734	734	734	734	734
		- unladen	825	825	825	825	825	825
T	Centre of front axle to centre of fuel tank	1890	2210	2500	2800	3000	3450	3820

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

*This dimension is 500mm with 180PS engine option.

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	2475	2415	2410	2405	2400	2400	2395
Rear axle	725	795	810	840	860	885	910
Total	3200	3210	3220	3245	3260	3285	3305

N.B. Unladen weights are for vehicle in standard specification with 25 litres 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	+15	0	+15	Steel Front Bumper	+25	-5	+20
Exhaust Valve Brake (EVB)	+7	0	+7	Air Conditioning	+25	0	+25
ECAS Rear Axle Air Suspension	+5	+95	+100	Aluminium Air Reservoirs	+1	-9	-8
ZF S5-42 Gearbox (150 PS Engine only)	-35	-10	-45				
140 Ah Batteries	+15	+5	+20				
Adjustable Cab Roof Spoiler	+40	0	+40				

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

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Engine Model

4 Cylinder in-line, 4.6 litre

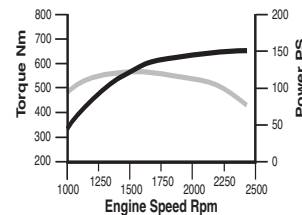
Features

- 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

Maximum Power Peak Torque

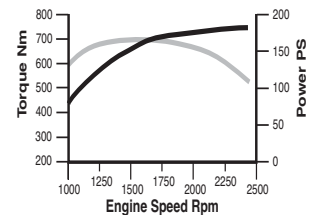
D0834 LFL53 150 PS

150PS @ 2400 rpm
570 Nm @ 1400 rpm



D0834 LFL54 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 @53 mph	Starting Grade	Tyre Size
150PS	ZF 6AS850 OD	3.36:1	78.9	1675	1615	33%+	215/75R17.5
180PS	ZF 6AS850 OD	3.36:1	78.9	1675	1615	33%+	215/75R17.5

Clutch

Single plate 362mm diameter, asbestos free lining

Axles

Steer VOK-03 drop beam
Drive HY-0512 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	6.72
2	3.68
3	2.15
4	1.41
5	1.00
6	0.79
R	6.03

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

150PS - ZF S5-42* or ZF 6S850

180PS - ZF 6S850

* Alternative axle ratio required

Wheels & Tyres

Wheels Steel 6.00x17.5

Tyres Steer 215/75R 17.5 steer tread

Drive 215/75R 17.5 traction tread

Exhaust System

Ground discharge silencer. For Euro 4 incorporating MAN PM-KAT® Technology

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.

Heated fuel filter.

Manual door locks.

Pre wired for cargo space lighting.

Body mounting brackets.

Audible reverse warning with night silent.

Fuel Tank

Capacity 150 Litre

Section Rectangular Steel

RHS mounted with locking cap

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