



TGL 7.5 Tonne 4x2 Rigid

Chassis Specification: TGL 8.150 4x2 BB
TGL 8.180 4x2 BB
TGL 8.220 4x2 BB



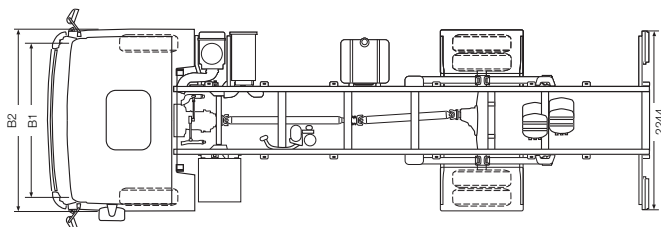
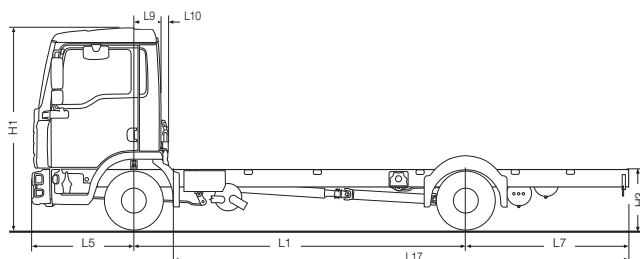
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Chassis Specification

Base Cab Model

TGL C Cab

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



Vehicle Dimensions (mm)

		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	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	4191	4544	5003	5451	5904	6417	6942
	Max. recommended body length	4700	5180	5660	6140	6620	7180	7740
		mm	mm	mm	mm	mm	mm	mm
		ft.ins.	14'10"	16'4"	17'10"	19'4"	21'0"	22'9"
		ft.ins.	15'5"	16'11"	18'6"	20'1"	21'8"	25'4"
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	2545	2545	2545	2545	2545	2545
		- unladen	2596	2596	2596	2596	2596	2596
H3	Frame height at centre rear wheels	- laden	740	740	740	740	740	740
		- unladen	872	872	872	872	872	872

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.

*Front overhang is 1275mm with Sleeper Cab.

Option of 5550mm wheelbase is available with rear air suspension only.

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	2565	2495	2490	2480	2475	2465	2460
Rear axle	860	950	970	990	1010	1040	1060
Total	3425	3445	3460	3470	3485	3505	3520

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	3400/3800 ⁽²⁾	3400/3800 ⁽²⁾
Rear axle	5200	5200

N.B. Tyre changes can effect legal weights. ⁽¹⁾ Maximum value, subject to specification. ⁽²⁾ Standard with sleeper cab option.

Optional Equipment & Weights ((kg))

	Front	Rear	Total		Front	Rear	Total
180PS Engine In Lieu Of 150PS Engine	+10	0	+10	L Sleeper Cab	+170	0	+170
220PS Engine In Lieu Of 150PS Engine	+30	0	+30	LX Sleeper Cab	+235	0	+235
S-42 Gearbox (150PS Engine Only)	-43	-15	-58	Adjustable Cab Roof Spoiler	+37	0	+37
Exhaust Valve Brake (EVB)	+7	0	+7	Aluminium Air Reservoirs	+1	-9	-8
ECAS Rear Axle Air Suspension	+5	+75	+80	Steel Front Bumper	+45	-6	+39
140 Ah Batteries	+15	+5	+20	235/75R 17.5 Tyres	+8	0	+8
200 Litre Steel Fuel Tank	+3	+4	+7	EEV Engine	+4	0	+4
Air Conditioning	+25	0	+25				

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	D0834 LFL65 220 PS
4 Cylinder in-line, 4.6 litre (Euro 5)	Maximum Power	150PS @ 2400 rpm	180PS @ 2400 rpm	220PS @ 2400 rpm
Features	Peak Torque	570 Nm @ 1400 rpm	700 Nm @ 1400 rpm	850 Nm @ 1300-1800 rpm
<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 	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	6AS800 OD	3.36:1	79.9	1653	1503	33%+	215/75R17.5
180PS	6AS800 OD	3.36:1	79.9	1653	1503	33%+	215/75R17.5
220PS	6AS800 OD	3.36:1	79.9	1653	1503	33%+	215/75R17.5

Clutch
 Single plate 395mm diameter, asbestos free lining

Axles
 Steer VOK-05 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 Parabolic Springs with Shock Absorbers and Stabiliser
 Drive Axle Parabolic Springs with Shock Absorbers and Stabiliser

Steering Gear
 Type C300 Servocom hydraulically assisted.

Manual Gearbox Option
 150PS - S5-42/2 or 6S800 OD
 180PS - 6S800 OD
 220PS - 6S800 OD

Wheels & Tyres
 Wheels Steel 6.00x17.5
 Tyres Steer 215/75R 17.5* steer tread
 Drive 215/75R 17.5 traction tread
 *235/75R 17.5 on Sleeper cabs.

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/140Ah*
 *On Sleeper cabs.

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.

Fuel Tank
 Capacity 150 Litre
 Section Rectangular Steel
 RHS mounted with locking cap

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Cab Options



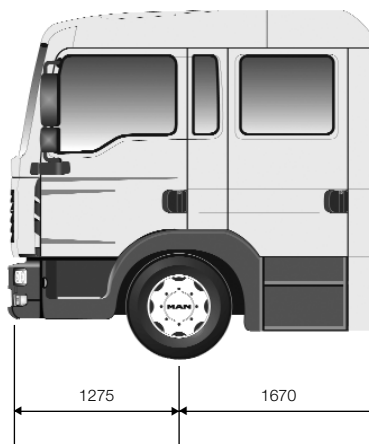
'C' Day Cab - Standard
Additional weight: 0 kg



'L' Sleeper
Additional Weight: 170 kg



'LX' Sleeper
Additional Weight: 235 kg



'DK' Crew
Additional Weight: 395 kg

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