



TGL 12 Tonne 4x2 Rigid

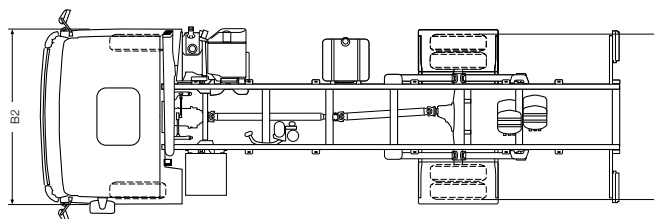
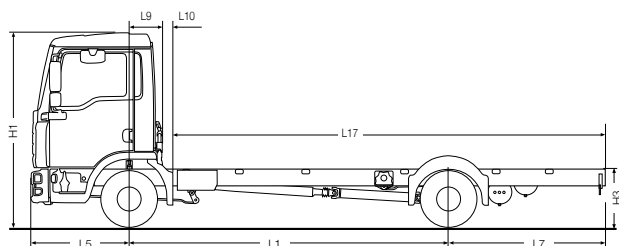
Chassis Specification: TGL 12.190 4x2 BB
TGL 12.220 4x2 BB
TGL 12.250 4x2 BB



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Base Cab Model TGL 'C' Cab

For cab variants, options and specifications see separate 'TGL Options & Equipment' sheet



Vehicle Dimensions (mm)

L1	Wheelbase		3600	3900	4200	4500	4850	5200
L5	Front overhang		1292*	1292*	1292*	1292*	1292*	1292*
L7	Rear overhang		1925	2125	2325	2475	2675	2875
L9	Centre line front axle to back of cab		500	500	500	500	500	500
L10	Back of cab to foremost body/equip. position		80	80	80	80	80	80
L17	Min. recommended body length	mm	4314	4756	5201	5648	6159	6678
		ft.ins.	14'1"	15'7"	17'0"	18'6"	20'2"	21'10"
	Max. recommended body length	mm	5180	5660	6140	6620	7180	7740
		ft.ins.	17'0"	18'6"	20'1"	21'8"	23'6"	25'4"
B1	Width across rear tyres		2303	2303	2303	2303	2285	2285
B2	Cab width over wings		2300	2300	2300	2300	2300	2300
H1	Cab height	- laden	2561	2561	2561	2561	2561	2561
		- unladen	2622	2622	2622	2622	2622	2622
H3	Frame height at centre rear wheels	- laden	787	787	787	787	787	787
		- unladen	905	905	905	905	905	905

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

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

* Front overhang is 1284mm with Sleeper Cab. Option of 5550mm wheelbase is available with rear air suspension only.

Turning Circle

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

Unladen Weights (kg +/- 2.5%)

Front axle	2750	2745	2740	2735	2725	2720
Rear axle	1165	1195	1225	1245	1280	1300
Total	3915	3940	3965	3980	4005	4020

N.B. Unladen weights are for vehicle in standard specification with full tank of fuel and AdBlue®, but without driver.

Plated/Operating Weights (kg)

	Design	UK Legal
GTW Gross Train Weight	21000 ⁽¹⁾ /24000 ⁽²⁾	21000 ⁽¹⁾ /24000 ⁽²⁾
GVW Gross Vehicle Weight	12000	12000
Front axle	4700	4700
Rear axle	8700	8700

N.B. Tyre changes can effect legal weights.

⁽¹⁾ Maximum value, subject to specification - 180 & 220PS Engine. ⁽²⁾ Maximum value, subject to specification - 250PS engine.

Optional Equipment & Weights (kg)

	Front	Rear	Total		Front	Rear	Total
65 litre AdBlue® tank (full)	+35	+10	+45	Air Conditioning	+25	0	+25
6 Cyl Engine In Lieu Of 4 Cyl Engine	+115	0	+115	L Sleeper Cab	+230	0	+230
Exhaust Valve Brake (EVB)	+7	0	+7	LX Sleeper Cab	+255	0	+255
ECAS Rear Axle Air Suspension	+5	+75	+80	Adjustable Cab Roof Spoiler	+37	0	+37
140 Ah Batteries	+15	+5	+20	Speedline Alloy Wheels 6.75x17.5	-16	-32	-48
200 Litre Steel Fuel Tank	+21	+28	+49	Aluminium Air Reservoirs	+1	-9	-8

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

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Engine Model - Euro 6	D0834LFL78	D0834LFL79	D0836LFL79
Engine Power (PS)	190	220	250
Rated Speed (rpm)	2300	2300	2200
Torque (Nm)	750	850	1050
Torque Range (rpm)	1200 - 1750	1300 - 1800	1200 - 1600
Cylinders	4	4	6
Capacity (cc)	4580	4580	6871

Features

- Selective Catalytic Reduction
- Common Rail EDC
- Cruise Control
- Exhaust brake
- Road speed limiter set to 89 kph
- OBDC

Performance @12000 kg

Engine Power	Gearbox TipMatic®	Axle Ratio	Geared Road Speed (mph)	Engine RPM		Starting Grade	Tyre Size
				@55 mph	@50 mph		
190PS	68 OD	3.70:1	77	1690	1540	33%+	265/70R17.5
220PS	68 OD	3.70:1	77	1690	1540	33%+	265/70R17.5
250PS	1212 OD	3.36:1	82	1590	1450	33%+	265/70R17.5

Clutch

Single plate 395mm diameter, asbestos free lining

Gearbox

MAN TipMatic® automated gearbox

Ratios

68 OD		1212 OD			
1	6.58	1	10.37	2	8.42
2	3.60	3	6.48	4	5.27
3	2.12	5	4.18	6	3.39
4	1.39	7	2.48	8	2.01
5	1.00	9	1.55	10	1.26
6	0.78	11	1.00	12	0.81
R	6.22	R1	10.56	R2	8.58

Frame

Construction	Bolted and Riveted
Material	High tensile steel (S420MC)
Section	270 x 70 x 4.5mm
Frame width	859mm
Lateral side guards	
Rear under run	

Fuel Tank

Capacity	150 Litre
Section	Rectangular Steel
	RHS mounted
	Locking cap

Axles

Steer	VOK-05 drop beam
Drive	HY-0925 single reduction

Suspension

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

Wheels & Tyres

Wheels	Steel	6.75x17.5
Tyres	Steer	265/70R 17.5 steer tread
	Drive	265/705R 17.5 traction tread

Electrical System

Type	MANTronic CAN bus system with central on board computer and vehicle management computer
Voltage	24v
Alternator	110 Amp
Batteries	2 x 12v 88Ah / 155Ah*

*On Sleeper cabs.

Braking System

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

Steering Gear

Type	ZF8095 Servocom hydraulically assisted
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Exhaust System

Ground discharge silencer, incorporating diesel particulate filter (DPF)

General Equipment

35 litre AdBlue® tank
Electronic immobiliser
Fuel filter with water separator
Central locking
Pre wired for cargo space lighting
Mechanical battery master switch
Body mounting brackets
Audible reverse warning with night silent
Front under run protection
Full bodybuilder and telemetry interface module
Lane Guard System (LGS)
Electronic Stability Programme (ESP)

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Cab Options

'C' Day Cab - Standard

Additional weight: 0 kg



'L' Sleeper

Additional weight: 230 kg



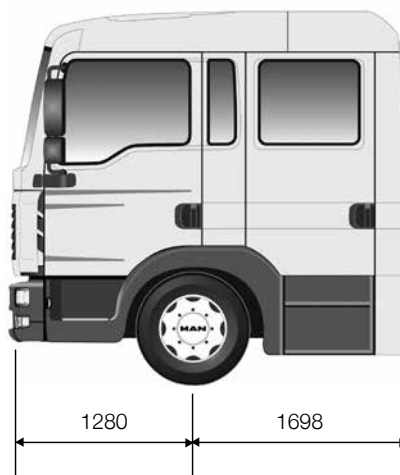
'LX' Sleeper

Additional weight: 255 kg



'DK' Crew

Additional weight: 505 kg



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We reserve the right to make modifications in line with technical progress.