

TGA 26.410 - XL Cab

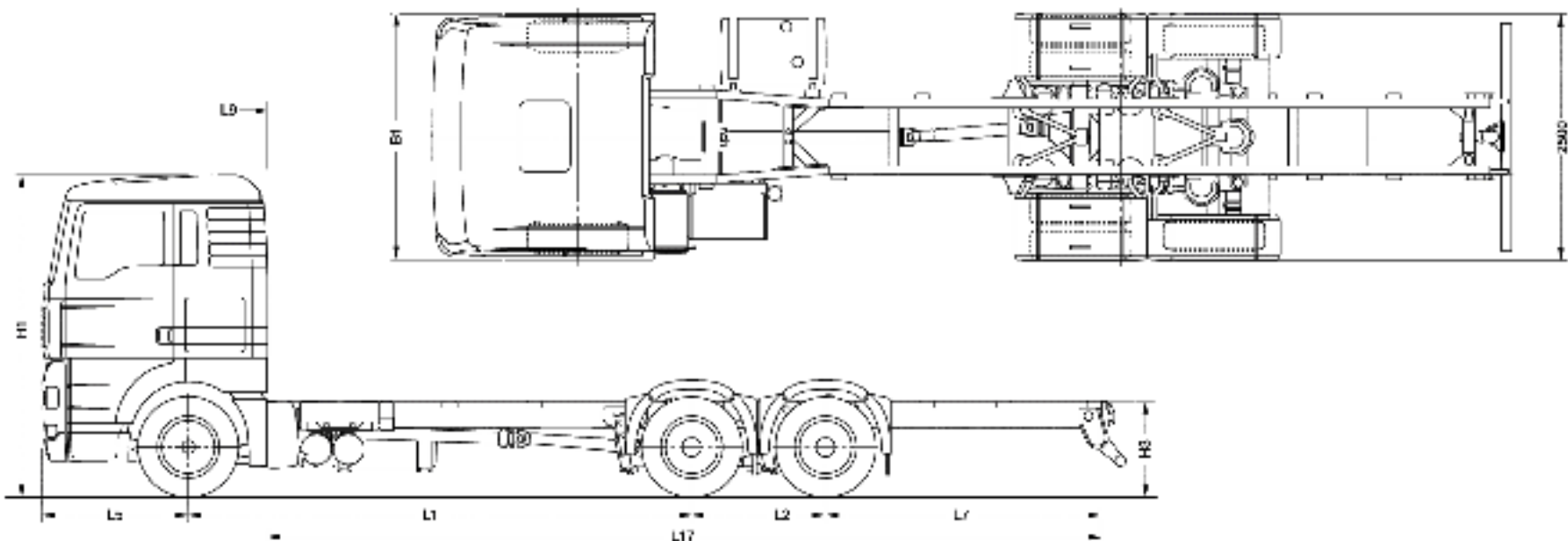
Long distance transport today demands flexibility and versatility from operators and reliability from the vehicles they run. MAN Trucknology Generation vehicles operate in complete harmony through their design, styling and performance to suit the operator and the driver. Raising standards in comfort and economy, the TG-A range from MAN feature a practical, stress free environment for the driver; with exceptional all-round visibility and large, aerodynamic, rear view mirrors enabling the driver to concentrate on the road conditions. The quality materials used enhance the cab interior and deliver outstanding levels of comfort whilst the TG-A's class-leading specification caters for the driver's every need.



Standard specification for 26.413 FNLRC

All other information common to both models

Standard specification for 26.463 FNLRC



Dimensions (mm)

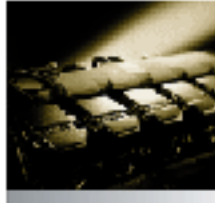
		XL Slip	XL Slip	XL Slip	XL Slip	XL Slip	XL Slip
L1	Wheelbase	4200	4500	4800	5100	5500	5900
L2	Rear bogie spread	1350	1350	1350	1350	1350	1350
L5	Front overhang	1475	1475	1475	1475	1475	1475
L7	Rear overhang	2150	2400	2600	2800	3100	2900
L9	Centre line front axle to back of cab	805	805	805	805	805	805
L17	Min. recommended body length	mm	6410	6936	7467	7986	8678
		ft.ins	21'00"	22'9"	24'6"	26'2"	28'6"
	Max. recommended body length	mm	6685	7230	7766	8302	9017
		ft.ins	21'11"	23'9"	25'6"	27'3"	29'7"
B1	Width across wings	2490	2490	2490	2490	2490	2490
H1	Cab height	- laden	3176	3176	3176	3176	3176
		- unladen	3259	3259	3259	3259	3259
H3	Frame height at centre rear wheels	- laden	938	938	938	938	938
		- unladen	968	968	968	968	968
	Turning circle - kerb to kerb		16600	17400	18300	19200	20600

Other wheelbase available: 3,900 - Contact MAN Product Engineering, Swindon for further information

UNLADEN WEIGHTS (kg)

- Front axle	4830	4845	4855	4865	4875	4885
- Rear bogie	3590	3610	3640	3670	3700	3730
- Total	8420	8455	8495	8535	8575	8615

Unladen weights stated are with the Tag axle down.



MAN D28 engines present the best in performance, economy and drivability. Engines refined to reduce noise, vibration and pollution to limit their environmental impact, whilst offering the maximum in terms of performance and economy; with long service intervals and outstanding reliability, MAN engines ensure continued trouble-free operation.

Standard specification for 26.413 FNLRC

All other information common to both models

Standard specification for 26.463 FNLRC

D2866LF28 Engine - 410PS

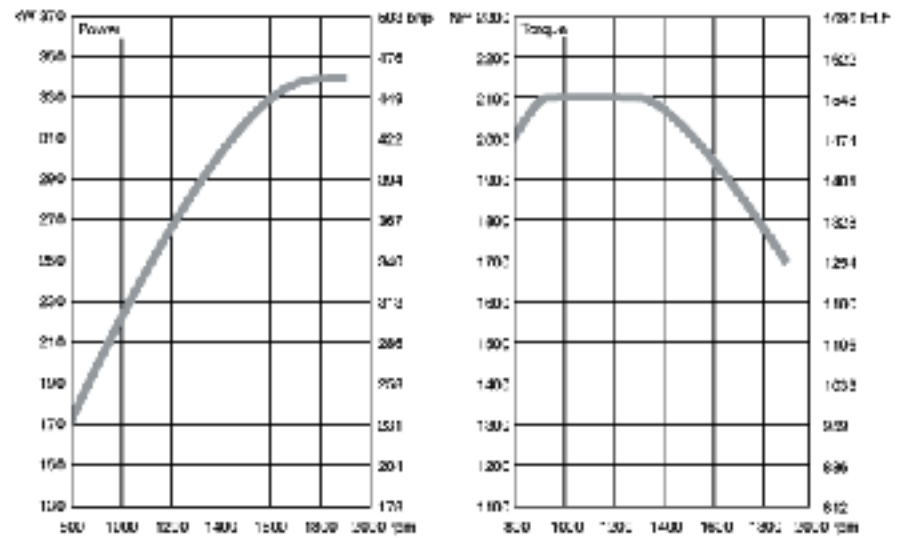
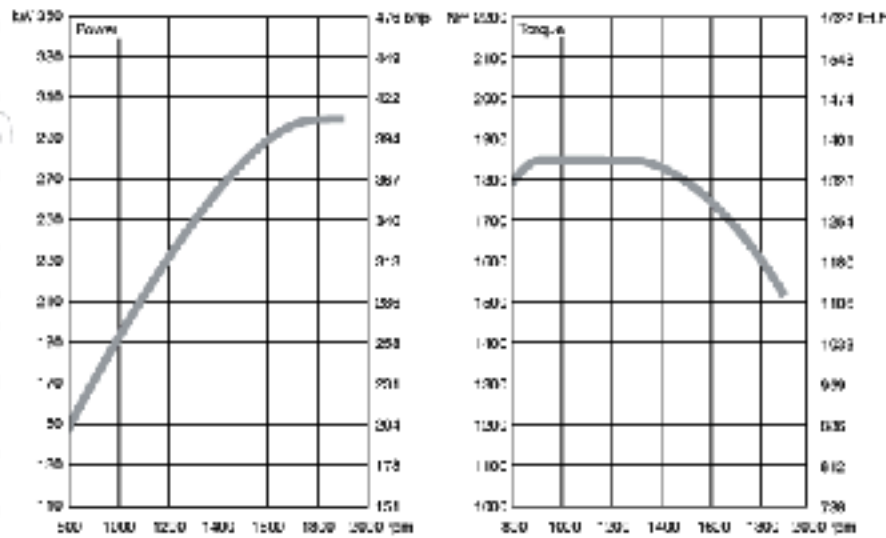
Type	MAN D2866LF28, 4 stroke, turbocharged and intercooled, 6 cylinder in-line, direct injection diesel with 4 valves per cylinder, with Exhaust Gas Recirculation (EGR).
Power	410PS (301kW) @ 1900rpm (ISO 1585 88/195 EWG).
Torque	1363 lbf.ft (1850 Nm) @ 900-1300 rpm (ISO 1585 88/195 EWG).
Capacity	11.97 litre
Bore	128mm
Stroke	155mm
Compression	19.0:1
Compressor	360 cm ³
Fuel pump	EDC
Engine brake	MAN EVB - Exhaust Valve Brake.

D2876LF04 Engine - 460PS

Type	MAN D2876LF04, 4 stroke, turbocharged and intercooled, 6 cylinder in-line, direct injection diesel with 4 valves per cylinder, with Exhaust Gas Recirculation (EGR).
Power	460PS (338kW) @ 1900rpm (ISO 1585 88/195 EWG).
Torque	1548 lbf.ft (2100 Nm) @ 900-1300 rpm (ISO 1585 88/195 EWG).
Capacity	12.60 litre
Bore	128mm
Stroke	166mm
Compression	17.0:1
Compressor	360 cm ³
Fuel pump	EDC
Engine brake	MAN EVB - Exhaust Valve Brake.

engine

performance



Modern transmissions featuring 'driver-friendly' gear selectors to reduce driver stress and wear and tear on the drive train. MAN Comfort Shift makes gear changing quick and easy, reducing clutch slip, enhancing economy and performance.

Clutch

Type	Asbestos free single dry plate with air assisted hydraulic operation.
Diameter	430 mm.

Gearbox

Type	ZF 16 S 192 direct drive 16 speed gearbox, with range change and splitter			
Ratios	Forward		Reverse	
	1L	16.41	1H	13.80
	2L	11.28	2H	9.49
	3L	7.76	3H	6.53
	4L	5.43	4H	4.57
	5L	3.59	5H	3.02
	6L	2.47	6H	2.08
	7L	1.70	7H	1.43
	8L	1.19	8H	1.00
Reverse	L	15.36	H	12.92
Gear Selector	Hydraulic gear selector with MAN Comfort Shift.			

Type	ZF 16 S 222 direct drive 16 speed gearbox, with range change and splitter.			
Ratios	Forward		Reverse	
	1L	16.41	1H	13.80
	2L	11.28	2H	9.49
	3L	7.76	3H	6.53
	4L	5.43	4H	4.57
	5L	3.59	5H	3.02
	6L	2.47	6H	2.08
	7L	1.70	7H	1.43
	8L	1.19	8H	1.00
Reverse	L	15.36	H	12.92
Gear Selector	Hydraulic gear selector with MAN Comfort Shift.			

driveline

Frame

Type	Bolted and rivetted high tensile steel frame with front under-run protection bar and body mounting brackets.
Dimensions	85 x 270 x 8 mm.
Finish	The chassis is finished as standard in Graphite Black (RAL 9011) standard factory gloss paint. A range of optional colours is available on request.

Axles

Front axle	MAN VOK 08, I section dropped beam axle.
Rear bogie	MAN N0-08, non-steering lift axle and MAN HY-1350 single reduction drive axle.
Suspension	
Front axle	Parabolic springs with shock absorbers and stabiliser.
Rear bogie	6 bellow air suspension with shock absorbers and stabiliser
Tyres	315/70R22.5 (steer tread on front axle, traction tread on drive axle).
Wheels	9.00 x 22.5, 10 hole - steel.

Steering

Type	ZF 8098 Servocom hydraulically assisted.
Lock to lock	4.8

Fuel Tank

Type	400 litre capacity steel fuel tank with locking fuel cap is fitted to the off side of the chassis.
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Reduced braking distances and enhanced stability are benefits from the TG-A's Electronic Braking System (EBS) and all-round disc brakes. TG-A vehicles are at the forefront of safety and reliability.

Brakes

Type	Electronic Brake System (EBS) with ABS and ASR traction control.
Features	Disc brakes, 2 line trailer brake connections and asbestos free linings.
Dimensions	432 mm diameter ventilated discs.
Contact area	864 cm ² on each brake.
Park brake	Spring brakes on rear axle.



The Baseline instrument panel ensures the driver receives necessary information about the truck. The TG-A's computerised systems allow the trucks daily checks to be completed simply, and in comfort, from the driver's seat.

Electrics

Type	MAN Tronic CAN bus system with central on board computer and vehicle management computer.
Batteries	24 volts (2 x 12 volts/175 Ah).
Alternator	28 volt 100 Amp 2800 watt.
Front lights	'Free form' technology headlamps.
Rear lights	Rear road lights, brake lights, indicators, reversing lights, fog lights and end outline marker lights. Side marker lights.
Security	Electronic immobiliser.



Cab

Designed to meet the most exacting operational requirements, combining driver friendly features with advanced technology; the TG-A range offers premium levels of specification and equipment. Everything you need for fast, efficient and economical transportation.

Type	'XL' forward control, Long-haul sleeper cab of all steel welded construction. The cab exceeds EC 29 safety requirements and features a 5 year unlimited mileage corrosion warranty. The cab's metalwork is finished as standard in Pure White (RAL 9010) standard factory gloss. A wide range of optional colours is available on request.
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Interior	Single bunk. Underbunk storage locker. Underbunk slide out storage box. Full curtaining. Independent cab heater. Air conditioning. Wall mounted clock with wake-up alarm. Luxury 'highback' air suspended driver seat with lumbar support, heating and arm rests. Adjustable 'highback' passenger seat. Seat belts for both seats. Adjustable and lockable steering column. Storage pockets in both doors. Electric windows. Internal sun blinds. Carpet/rubber floor covering. Radio preparation, aerial and speakers. Auxiliary 12 volt/24 volt 2 pin sockets. Automatic electronic 2-man tachograph. Baseline instrument panel with driver information system for all major functions.
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Exterior	4 point cab air suspension system. Hydraulic tilt to 65 degrees. Automatic locking mechanism. Underbumper air dam. Integrated air deflectors. Roof hatch. Central door locking. Electrically adjustable and heated rear view, wide angle and kerb view mirrors. 2 large external lockers - one accessible from the inside. Illuminated, non-slip entry steps.
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Optional equipment

480 hp Engine
Heated Fuel Filter
2 Cylinder Air Compressor
Overdrive Gearbox
Tipmatic Automated Gearbox
ZF Intarder
Camshaft PTO
Gearbox PTO
Upgraded Front Axle
Front Air Suspension
ECAS input for crane operation
Alternative Axle Ratio
Super Single Wheels to front Axle
Alloy Wheels
Spare Wheel and Carrier
Alloy Fuel Tanks
600 litre
780 litre
780+250 litre
Additional 2 line brake connection at frame end
Alloy Air Tanks
Windows in Rear Cab Wall
Electric Tilt/Slide sun roof

Memory function for wide angle mirror
Air Suspension Co-Driver seat
Air Suspension Co-Driver seat with lumbar support and heating
Leather Seat Covers
Armrests for Co-Driver seat
Drivers Air bag
Walnut Wood trim dash
Air Conditioning system
Pull out fridge
Footrest for Co-Driver
Combined Fog and driving lamps
Xenon headlamps - only with front air suspension
24w/15amp socket in cab
Battery Main switch - manual
Battery Main switch - electric
Air horns on cab roof
MAN 6-speaker sound system
CB antenna on cab roof
Acoustic reversing warning
Electronic anti-theft warning for cab
ADR specification
Air management kit
Alternative paint colour available

Guide to equipment weights (kgs)

Component	Front	Rear	Total
Camshaft PTO - 600Nm continuous load	+13		+13
2 Cylinder compressor (565ccm)	+10		+10
ZF Intarder	+66	+38	+105
Tipmatic Automated Gearbox	-48	-12	-60
ZF PTO N221/10	+12	+3	+15
Fuel Tank in lieu 410l Alloy tank with steps			
400 litre alloy - rhs	-3	-4	-7
600 litre alloy - rhs	+1	+3	+4
780 litre alloy - rhs	+8	+10	+18
780 litre alloy - rhs + 250 lbs	+23	+38	+61
Front Air Suspension	+15		+15
Additional 2 line connection at frame end	+8	+10	+18
Alloy Air Tanks	-13	-12	-25
Windows in Rear Cab Wall	+12		+12
Electric Slide/Tilt Sunroof	+9		+9
Air suspended Co-Driver seat	+18		+18
Air Conditioning	+40		+40
Pull out Fridge	+21		+21
385/65R Super Single Tyres on 11.75x22.5 steel rims on front	+35		+35
Alloy Wheels - 9.00x22.5 in lieu of same size steel rims.			
SPEEDLINE - 6x2	-32	-96	-128
ALCOA - 6x2	-40	-120	-160
Alloy Super Single on Front - 11.75x22.5 in lieu of same size steel rims.			
ALCOA	-52		-52
Air Management - roof blade and cab collars	+70		+70
ADR Preparation	+50		+50

Component weights are provided as a guide and may vary depending on make and manufacturing tolerances

Calculated Performance

Gross wt. (kg)	Rear Axle ratio	Max geared speed	Gradeability %	
			1st	Reverse
44000	3.08:1 (Std.)	74 mph	41.1	38.4
44000	2.71:1	84 mph	36.1	33.7
44000	3.08:1 (Std.)	74 mph	46.6	43.7
44000	2.71:1	84 mph	41.1	38.4

Design/Plated Weights (kg)

	Front Axle	Rear Bogie	GVW	GCW
Design weight	8000	19000	26000	44000
Plated weight	7500	19000	26000	44000

N.B. Gradeabilities above 30% may be restricted by tyre adhesion.

NOTES:

(1) Unladen weights are for vehicles in standard specification, with 25 litres of fuel and without driver, trailer coupling and rear wings.

(2) Kerb weights are subject to a manufacturing tolerance of $\pm 2.5\%$.