



AXOR - Specifications



Mercedes-Benz





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Axor cabs



Short Cabs (with extension)

The lengthened S cab has a rear cab panel which is moved back by 180 mm. It is available with or without rear-panel window.

Features:

- Interior sunvisors
- Rubber floor mat
- Static footrest in footwell (co-driver)
- Full complement of instruments and warning lights
- Seat covers made of flat-woven fabric
- Adjustable steering wheel column
- MB radio CD (front end loader) system
- Provision for cell phone and fax connection
- Shelf and holder for drinks can/thermos flask
- Bottle holder in door trim
- Entrance grab handles for driver and passenger
- Storage facilities on the rear panel
- Stowage facility above windscreen, 2 compartments
- Heated exterior rear view mirrors on the passenger's side, electrically adjustable
- Ramp mirrors
- Steel roof lid (air vent), manually operated
- Air conditioning
- 4-point cab suspension with longitudinally flexible rubber bearings at front (6 Hz) and two suspension struts at rear (1,8 Hz)
- Safety standards to ECE 29
- Enhanced aerodynamics
- Transparent-glass headlights
- Electrically operated windows (driver & co-driver)
- Cruise control
- Steel bumper with swivel steps
- Headlamp protective grille
- Central locking system (not in all models)
- Emergency fold up sleep bunk (not in all models)

Long Cabs

The L-cab is designed entirely to meet the needs of the driver/passenger and to provide comfort in long-distance operation. It is designed on the basis of state-of-the-art ergonomics and safety aspects. It offers extremely generous space and a great deal of storage area (side panels, doors, roof, and rear wall).

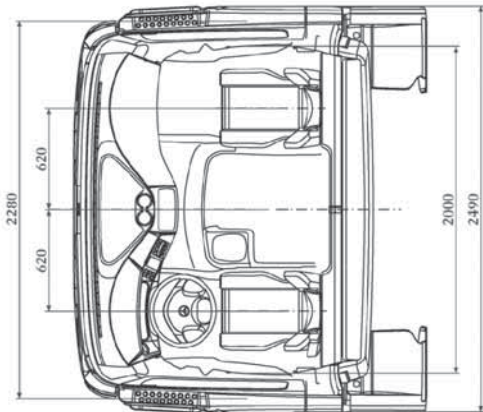
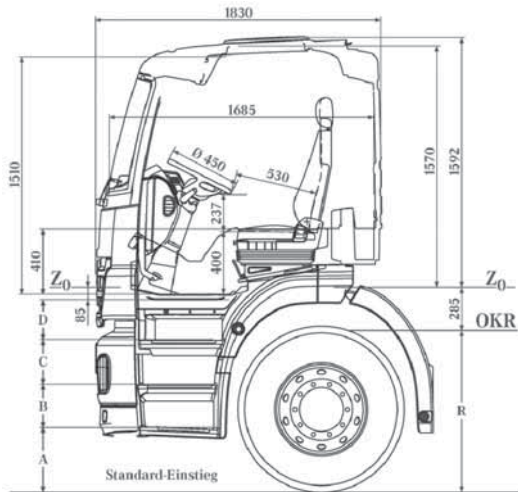
Features (long cab low roof):

- As per short cab, with additional features listed below
- 645 mm-wide standard bed, non-pull-out, with one-piece 110 mm-thick spring interior mattress and storage areas beneath
- Cab curtain all-round
- Step lighting
- Interior light and two spotlights, one for driver and one for passenger, reading lamp for bunk
- Three sun visors
- Tray/stowage compartment on engine tunnel

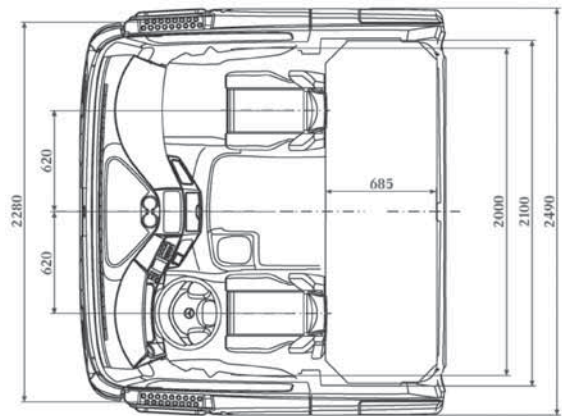
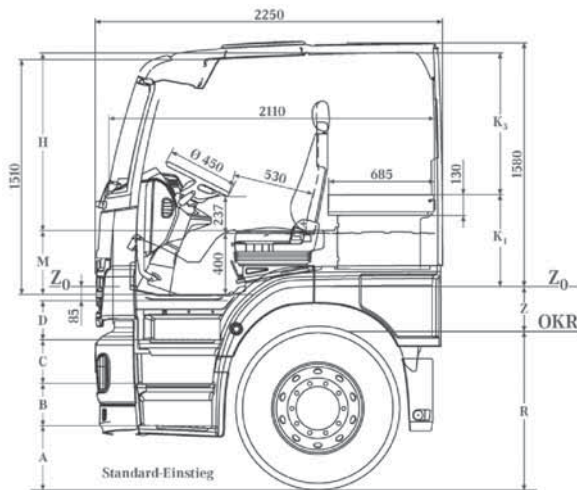
Features (long cab high roof):

- As per long cab low roof, with additional features listed below.
- Long distance cockpit
- Electrically operated sunroof
- External sunvisor
- Double sleeper beds

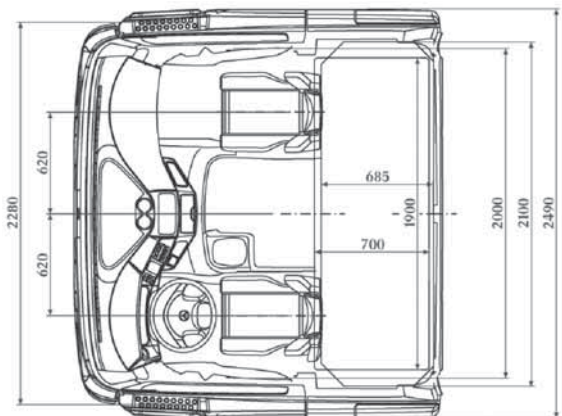
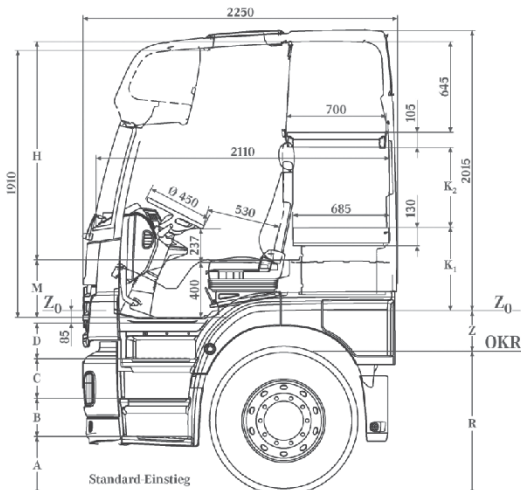
Cab drawings



Standard day cab with extended rear wall



Low roof sleeper cab



High roof sleeper cab

Axor engines

The OM 906 LA / OM 457 LA engine is an R6 engine for individual adaptation of the engine output to the relevant transport task.

OM 906 LA

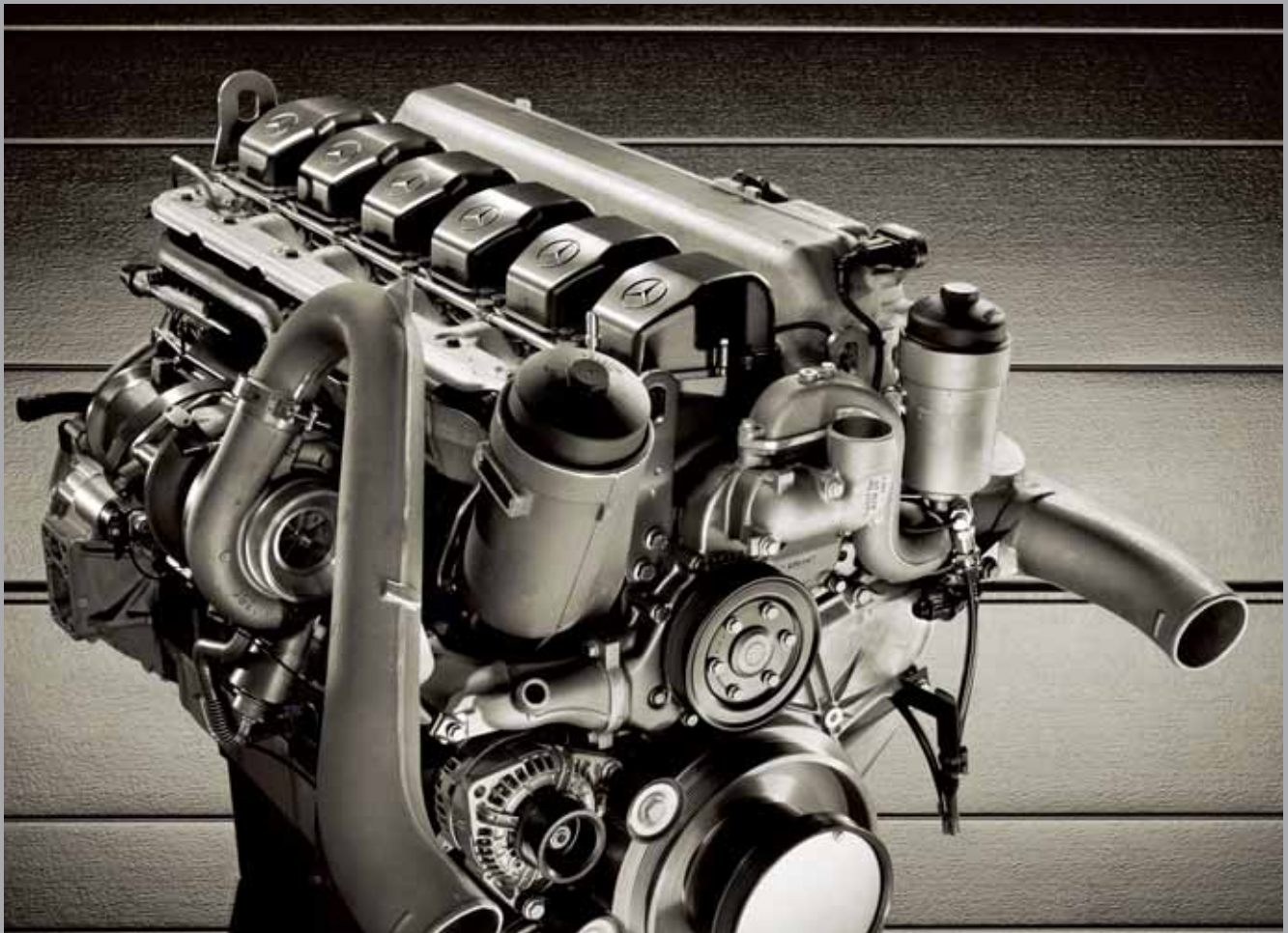
Technical Data/Features

- In-line 6-cylinder engine with an exhaust-gas turbocharger and charge-air inter-cooling.
- Displacement: 6 374 cm³
- 3-valve technology
- Cooling: water-cooled
- Engine management: Electronic engine management system integrated in the Telligent drive management system
- Fuel injection system: Unit-Pump System (UPS) technology with single-plunger fuel-injection pumps and centrally arranged 8-hole or 6-hole injection nozzles (Euro 2 or Euro 3)
- Injection pressure: up to 1 800 bar (Euro 3)
- Performance data for models xx23 – refer to model overview
 - Maximum output: 170 kW(231hp) at 2300 rpm
 - Maximum torque: 810 Nm at 1 200 rpm to 1 600 rpm
- Performance data for models xx28 – refer to model overview
 - Maximum output: 205 kW(279hp) at 2 300 rpm
 - Maximum torque: 1 100 Nm at 1 200 rpm to 1 600 rpm

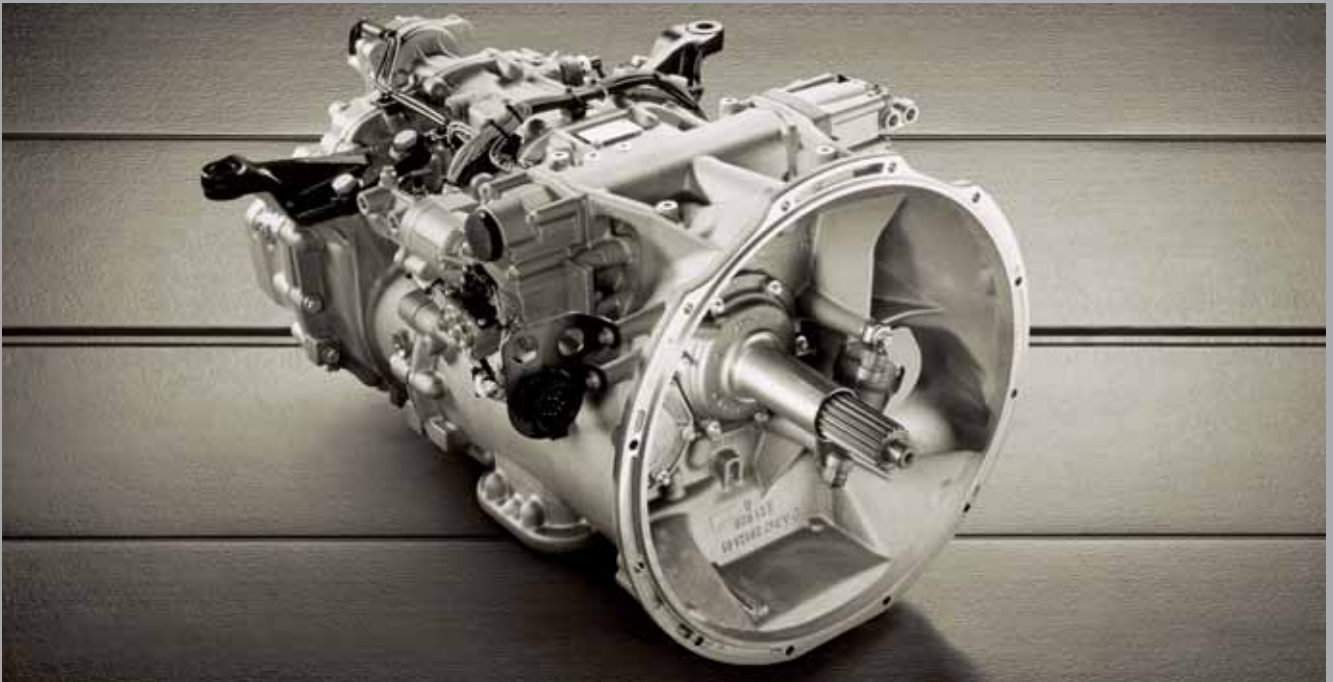
OM 457 LA

Technical Data/Features

- In-line 6-cylinder engine with an exhaust-gas turbocharger and charge-air inter-cooling
- Displacement: 11 967 cm³
- 4-valve technology
- Unit pump system (UPS)
- Engine management by fully electronic Telligent engine management system.
- Injection pressure: up to 1800 bar
- Compression ratio: 1:17,75
- Ignition pressure: 170 bar
- 6-hole injection nozzles, centrally arranged.
- Performance data for models xx35 – refer to model overview.
 - Maximum output: 260 kW/354 hp at 1 900 rpm
 - Maximum torque: 1 850 Nm at 1 100 rpm
- Performance data for models xx40 – refer to model overview.
 - Maximum output: 295 kW/401 hp at 1 900 rpm
 - Maximum torque: 2 000 Nm at 1 100 rpm



Transmissions



G85 –6

The G 85-6 gearbox is an all-synchromesh gearbox with 6 forward gears and one reverse gear. It features a hydraulic gearshift.

G85 – 6 (Ratios)

- 1st gear = 6,70
- 2nd gear = 3,81
- 3rd gear = 2,29
- 4th gear = 1,48
- 5th gear = 1,00
- 6th gear = 0,73
- Reverse gear = 6,29

G221-9 & G131-9

The gearbox G221-9/G 131-9 is a direct-drive gearbox with 8 synchromesh forward gears, one constant-mesh crawler gear and one reverse gear. It consists of a 4-speed basic gearbox with a pneumatic rear-mounted unit (range). It is shifted hydro-pneumatically.

G131 – 9 (Ratios)

- 1st gear = 9,478
- 2nd gear = 6,635
- 3rd gear = 4,821
- 4th gear = 3,667
- 5th gear = 2,585
- 6th gear = 1,810
- 7th gear = 1,315
- 8th gear = 1,00
- Crawler gear = 14,573
- Reverse gear = 13,862

Weight (not including oil):
approx. 200 kg

G221 – 9 (Ratios)

- 1st gear = 10,187
- 2nd gear = 7,156
- 3rd gear = 5,129
- 4th gear = 3,833
- 5th gear = 2,657
- 6th gear = 1,867
- 7th gear = 1,338
- 8th gear = 1,00
- Crawler gear = 16,15
- Reverse gear = 14,907

Weight (not including oil):
approx. 290 kg

Benefits

- Allows economical operation, in conjunction with other components of the powertrain, as a function of the transport task
- High climbing performance under high loads
- Easier vehicle handling as a result of low manoeuvring speed owing to the high ratio of the reverse gear

G240-16

The G 240-16 gearbox is an all-synchromesh overdrive gearbox with 16 forward gears and two reverse gears. It consists of a 4-speed basic gearbox with front-mounted unit (splitter) and rear-mounted unit (range). The gears can be shifted either with Telligent gearshift II, or hydraulic gearshift.

G240 – 16 (Ratios)

- 1st gear = 11,72
- 2nd gear = 9,747
- 3rd gear = 7,918
- 4th gear = 6,583
- 5th gear = 5,291
- 6th gear = 4,400
- 7th gear = 3,636
- 8th gear = 3,023
- 9th gear = 2,654
- 10th gear = 2,215
- 11th gear = 1,799
- 12th gear = 1,496
- 13th gear = 1,203
- 14th gear = 1,00
- 15th gear = 0,826
- 16th gear = 0,687
- 1st reverse gear = 10.656
- 2nd reverse gear = 8.861

Weight (not including oil):
approx. 290 kg

Chassis frame

Convincing frame handling

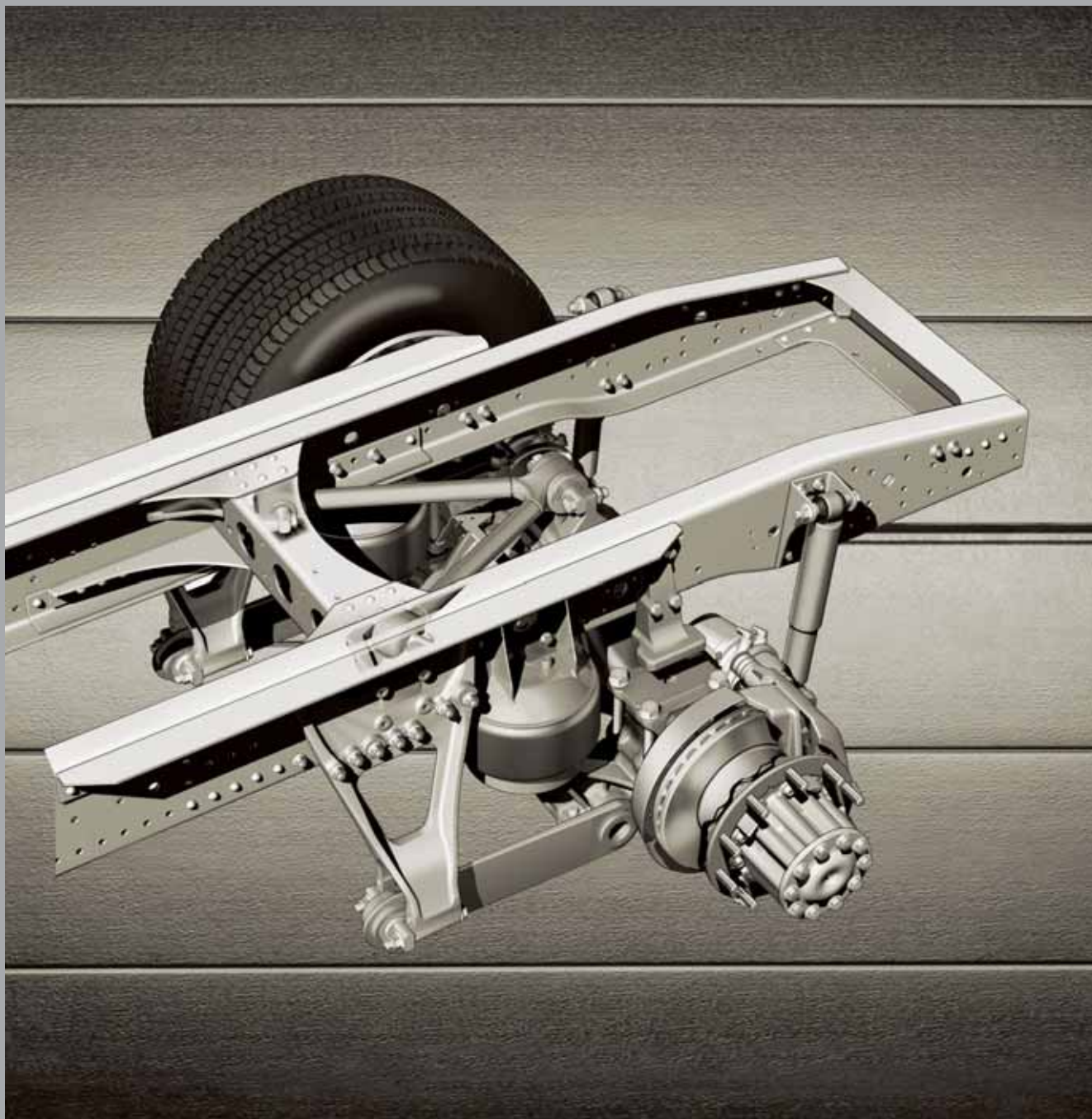
The high-strength frame of the Axor features the following highlights:

- No parts project above the top of the frame
- Three frame side rail thicknesses: 7 mm, 8 mm and 9,5 mm
- Wheelbases between 3 150 mm and 6 300 mm at standard spacing of 300 mm – depending on model

The frame side rails feature a continuous hole spacing of 50 mm. Bodies and additional equipment can therefore be attached and repositioned quickly, easily and, above all, at low cost. The environment-friendly paint finish is sprayed manually. This ensures full-coverage of all surfaces and, as a consequence, corrosion protection.

The frame components are made of E 500 TM high-strength steel. They are cold-formed for enhanced strength. The section always has the same height and has a flat top edge. This ensures high loading capacity. Cross members and side rails are interconnected by means of riveted gusset plates. This design is particularly flexible and able to withstand extreme stresses and strains. The frame taper begins 1 350 mm behind the front axle.

Light weight Axor 4x2 Truck Tractor chassis frame





Mercedes-Benz Axor: Truck Tractor

Model specifications:

	1835LS/36	1840LS/36	2535LS/39	3335S/33	3340S/33
General Info					
Engine					
No. of cylinders	6 In-line	6 In-line	6 In-line	6 In-line	6 In-line
Total displacement	11, 967 litres	11, 967 litres	11, 967 litres	11, 967 litres	11, 967 litres
Output	260kW (354hp) @ 1900 r/min	295kW (401hp) @ 1900 r/min	260kW (354hp) @ 1900 r/min	260kW (354hp) @ 1900 r/min	295kW (401hp) @ 1900 r/min
Torque	1850 N.m @ 1100 r/min	2000 N.m @ 1100 r/min	1850N.m @ 1100 r/min	1850N.m @ 1100 r/min	2000 N.m @ 1100 r/min
Air cleaner					
Type	Snorkel air intake with paper element	Snorkel air intake with paper element	Snorkel air intake with paper element	Snorkel air intake with paper element	Snorkel air intake with paper element
Clutch					
Type	Single dry plate clutch,	Single dry plate clutch,	Single dry plate clutch,	Twinplate, dry 400 mm diameter	Twinplate, dry 400 mm diameter
Transmission					
Type	9-speed, Full synchromesh, with additional crawler gear	9-speed, Full synchromesh, with additional crawler gear	9-speed, Full synchromesh, with additional crawler gear	16-speed, Full synchromesh, with integrated splitter unit rear mounted planetary gearset	16-speed, Full synchromesh, with integrated splitter unit rear mounted planetary gearset
Ratios	1st gear: 10,19:1 9th gear: 1,00:1	1st gear: 10,19:1 9th gear: 1,00:1	1st gear: 10,19:1 9th gear: 1,00:1	1st gear: 10,19:1 16th gear: 0,69:1	1st gear: 10,19:1 16th gear: 0,69:1
PTO	MB NA 131-2c	–	MB NA 131-2c	MB NA 131-2c	–
Front axle					
Load capacity	7,5 ton	7,5 ton	7,5 ton	7,5 ton	7,5 ton
Rear axle					
Load capacity	11,5 ton	11,5 ton	18,6 ton	2 x 13,0 ton	2 x 13,0 ton
Axle ratio	3,077:1	3,077:1	3,077:1	4,571:1	4,571:1
Steering					
Type	Power assisted, recirculating ball	Power assisted, recirculating ball	Power assisted, recirculating ball	Power assisted, recirculating ball	Power assisted, recirculating ball
Suspension					
Front	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs
Rear	Air suspension	Air suspension	Air suspension	Parabolic springs	Parabolic springs
Shock absorbers	Front and rear	Front and rear	Front and rear	Front and rear	Front and rear
Stabilisers	Front and rear	Front and rear	Front and rear	Front and rear	Front and rear
Brakes					
Service	ABS brake system, dual circuit compressed-air with air drier, disc brakes all round	ABS brake system, dual circuit compressed-air with air drier, disc brakes all round	ABS brake system, dual circuit compressed-air with air drier, disc brakes all round	ABS brake system, dual circuit compressed-air with air drier, drum brakes all round	ABS brake system, dual circuit compressed-air with air drier, drum brakes all round
Parking	Spring-loaded brake cylinders on rear wheels	Spring-loaded brake cylinders on rear wheels	Spring-loaded brake cylinders on rear and front wheels	Spring-loaded brake cylinders on rear wheels	Spring-loaded brake cylinders on rear wheels
Auxiliary 1	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve
Auxiliary 2					
Model	Turbo brake	Voith retarder	Turbo brake	Turbo brake	Voith R115 HV
Type		Hydrodynamic			Hydrodynamic
Braking torque		3500 N.m			3500 N.m
Chassis					
Type	Ladder frame (side and cross members), riveted	Ladder frame (side and cross members), riveted	Ladder frame (side and cross members), riveted	Full-length mono frame with cross-members riveted to the longitudinal U-section main member	Full-length mono frame with cross-members riveted to the longitudinal U-section main member
Fuel Tank					
Capacity	Apprx. 400 l (Aluminum)	Apprx. 400 l (Aluminum)	Apprx. 450 l (Aluminum)	Apprx. 550l (Aluminum)	Apprx. 550l (Aluminum)
Electrical systems/Electronics					
System voltage	24V	24V	24V	24V	24V
Batteries - No. x capacity	2 x 12V/165 Ah	2 x 12V/165 Ah	2 x 12V/165 Ah	2 x 12V/165 Ah	2 x 12V/165 Ah
Wheels					
Tyres, front	315/80 R22,5 18PR Tubeless radials	315/80 R22,5 18PR Tubeless radials	315/80 R22,5 Tubeless radials	315/80 R22,5 18PR Tubeless radials	315/80 R22,5 18PR Tubeless radials
Tyres, rear	315/80 R22,5 18PR Tubeless radials	315/80 R22,5 18PR Tubeless radials	315/80 R22,5 Tubeless radials	315/80 R22,5 18PR Tubeless radials	315/80 R22,5 18PR Tubeless radials
Top speed	121 km/h	121 km/h	121 km/h	119 km/h	119 km/h

Mercedes-Benz Axor: Freight Carrier

Model specifications:

	1828P/60	2528LP/51	2628P/45	3335P/45	3340P/45	3535K/51 (S/R)
General Info						
Engine						
No. of cylinders	6 In-line	6 In-line	6 In-line	6 In-line	6 In-line	6 In-line
Total displacement	6, 370 litres	6, 370 litres	6, 370 litres	11, 967 litres	11, 967 litres	11, 967 litres
Output	205kW (279hp) @ 2300 r/min	205kW (279hp) @ 2300 r/min	205kW (279hp) @ 2300 r/min	260kW (354hp) @ 1900 r/min	295kW (401hp) @ 1900 r/min	260kW (354hp) @ 1900 r/min
Torque	1100 N.m @ 1500 r/min	1100 N.m @ 1500 r/min	1100 N.m @ 1500 r/min	1850 N.m @ 1100 r/min	2000 N.m @ 1100 r/min	1850 N.m @ 1100 r/min
Air cleaner						
Type	Enlarged paper element air filter	Enlarged paper element air filter	Enlarged paper element air filter	Snorkel air intake with paper element	Snorkel air intake with paper element	Snorkel air intake with paper element
Clutch						
Type	Single dry plate clutch with reinforced diaphragm spring, hydraulically operated shift	Single dry plate clutch with reinforced diaphragm spring, hydraulically operated shift	Single dry plate clutch with reinforced diaphragm spring, hydraulically operated shift clutch booster	Twinplate, dry 400 mm diameter	Twinplate, dry 400 mm diameter	Twinplate, dry 400 mm diameter
Transmission						
Type	9-speed, Full synchromesh, with integrated splitter unit and rear mounted planetary gearset	9-speed, Full synchromesh, with integrated splitter unit and rear mounted planetary gearset	9-speed, Full synchromesh, with integrated splitter unit and rear mounted planetary gearset	16-speed, Full synchromesh, with integrated splitter unit and rear mounted planetary gearset	16-speed, Full synchromesh, with integrated splitter unit and rear mounted planetary gearset	All synchromesh direct drive, 9 forward gears with 1 crawler gear
Ratios	1st gear: 9,478:1 9th gear: 1:1	1st gear: 9,478:1 9th gear: 1:1	1st gear: 9,478:1 9th gear: 1:1	1st gear: 11,72:1 16th gear: 0,69:1	1st gear: 11,72:1 16th gear: 0,69:1	1st gear: 10,187:1 8th gear: 1,00:1
PTO	–	–	NA 131-2c (Standard), max power 68kW, torque 400N.m, ratio 1:0,95	Mercedes-Benz NA 131-2c, max power 92kW, torque 400N.m, ratio 1:1,07	Mercedes-Benz NA 131-2c, max power 92kW, torque 400N.m, ratio 1:1,07	Mercedes-Benz NA 131-2c, max power 71kW, torque 400N.m, ratio 1:1,00
Front axle						
Load capacity	7,5 ton	7,5 ton	7,5 ton	7,5 ton	7,5 ton	2 x 7,7 ton
Rear axle						
Load capacity	11,5 ton	11,5 ton + 7.5 ton (Tag axle)	2 x 10,0 ton	2 x 13,0 ton	2 x 13,0 ton	2 x 10,0 ton
Axle ratio	4,300:1	4,333:1	4,333:1	4,833:1	4,833:1	3,583:1
Steering						
Type	Power steering, recirculating ball	Power steering, recirculating ball	Power steering, recirculating ball	Power steering, recirculating ball	Power steering, recirculating ball	Power steering, recirculating ball
Suspension						
Front	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs
Rear	Parabolic springs	Air suspension with Telligent level control	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs
Rear parabolic springs	1 x 13,0 ton	2 x 9,5 ton (air)	2 x 13,0 ton	2 x 16,0 ton	2 x 16,0 ton	2 x 13,0 ton
Shock absorbers	Front and rear	Front and rear	Front and rear	Front and rear	Front and rear	Front and rear
Stabilisers	Front and rear	Front and rear	Front and rear	Front and rear	Front and rear	Front and rear
Brakes						
Service	Dual-circuit air brake with ABS/ALB and disc brakes all round	Dual-circuit air brake with ABS/ALB and disc brakes all round	Dual-circuit air brake with ABS/ALB and drum brakes all round	ABS brake system, dual circuit compressed-air with air drier, drum brakes all round	ABS brake system, dual circuit compressed-air with air drier, drum brakes all round	ABS brake system, dual circuit compressed-air with air drier, disc brakes all round
Parking	Spring brake cylinder acting on rear axle	Spring brake cylinder acting on both rear axles	Spring brake cylinder acting on both rear axles	Spring-loaded brake cylinders on rear wheels	Spring-loaded brake cylinders on rear wheels	Spring-loaded brake cylinders on rear wheels
Auxiliary 1	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve	Engine brake with decompression valve	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve
Auxiliary 2						
Model	–	–	–		Voith R115 HV	–
Type	–	–	–	Turbo brake	Hydrodynamic	–
Braking torque	–	–	–		3 500 N.m	–
Chassis						
Type	Two longitudinal members with riveted U-shaped transverse member	Two longitudinal members with riveted U-shaped transverse member	Two longitudinal members with riveted U-shaped transverse member	Full length mono frame with cross-members riveted to the longitudinal U-section main member	Full length mono frame with cross-members riveted to the longitudinal U-section main member	Ladder frame (side and cross members), riveted
Fuel Tank						
Capacity	1 x 210l plastic	1 x 210l plastic	1 x 210l plastic	Apprx. 400 l (Steel)	Apprx. 400 l (Steel)	Apprx. 300 l (Aluminium)
Electrical systems/Electronics						
System voltage	24V	24V	24V	24V	24V	24V
Batteries - No. x capacity	2 x 12V/165 Ah	2 x 12V/165 Ah	2 x 12V/165 Ah	2 x 12V/165 Ah	2 x 12V/165 Ah	2 x 12V/165 Ah
Wheels						
Tyres, front	315/80 R22.5	315/80 R22.5 18PR	315/80 R22.5 18PR	315/80 R22.5 18PR Tubeless radials	315/80 R22.5 18PR Tubeless radials	315/80 R22.5 Tubeless radials
Tyres, rear	315/80 R22.5	315/80 R22.5 18PR	315/80 R22.5 18PR	315/80 R22.5 18PR Tubeless radials	315/80 R22.5 18PR Tubeless radials	315/80 R22.5 Tubeless radials
Top speed	104 km/h	104 km/h	104 km/h	112 km/h	112 km/h	104 km/h

Mercedes-Benz Axor: Tipper

Model specifications:

	1823K/36	1823AK/39	2628B/33	3335K/36	3535K/51
General Info					
Engine					
No. of cylinders	6 In-line	6 In-line	6 In-line	6 In-line	6 In-line
Total displacement	6,374 litres	6,374 litres	6,374 litres	11,967 litres	11,967 litres
Output	170kW/(231hp) @ 2300 r/min	170kW/(231hp) @ 2300 r/min	205kW/(279hp) @ 2300 r/min	260kW/(354hp) @ 1900 r/min	260kW/(354hp) @ 1900 r/min
Torque	810Nm @ 1200 to 1500	810Nm @ 1200 to 1500 r/min	1100Nm @ 1200 to 1500 r/min	1850Nm @ 1100 r/min	1850Nm @ 1100 r/min
Air cleaner					
Type	High capacity paper element	High capacity paper element	Enlarged paper element air cleaner	Snorkel air intake with paper element	Snorkel air intake with paper element
Clutch					
Type	Single-plate dry clutch with diaphragm spring, hydraulically actuated with clutch booster	Single-plate dry clutch with diaphragm spring, hydraulically actuated with clutch booster	Single-plate dry clutch with diaphragm spring, hydraulically actuated with clutch booster	Twinplate, dry 400mm diameter	Twinplate, dry 400mm diameter
Transmission					
Type	6-speed full synchromesh with hydro-pneumatic gearshift	6-speed full synchromesh with hydro-pneumatic gearshift	9-speed synchromesh gearbox, with hydraulically operated shift	16-speed full synchromesh, with integrated splitter unit and rear mounted planetary gearset, with Telligent gear shift	All synchromesh direct drive, 9 forward gears with 1 crawler gear
Ratios	1st gear: 6,70:1 6th gear: 0,73:1	1st gear: 6,70:1 6th gear: 0,73:1	1st gear: 9,478:1 9th gear: 1:1	1st gear: 11,72:1 16th gear: 0,69:1	1st gear: 14,19:1 16th gear: 0,826:1
PTO	NA 60-2c Power 120kW, torque 457N.m, ratio 1,09	NA 60-2c Power 120kW, torque 457N.m, ratio 1,09	NA 131-2c (tipper applications) Power 68kW, torque 400N.m, ratio 0,95	NA 131-2c Max power 92kW, torque 400N.m, ratio 1,07	NA 131-2c Max power 71kW, torque 400N.m, ratio 1:1
Front axle					
Load capacity	7,5 ton	9,0 ton	7,5 ton	7,5 ton	2 x 7,7 ton
Rear axle					
Load capacity	13,0 ton	9,0 ton	2 x 10,0 ton	2 x 13,0 ton	2 x 10,0 ton
Axle ratio	6,0:1	6,0:1	4,88:1	5,333:1	3,583:1
Differential lock	Yes	Yes	Yes	Yes	Yes
Steering					
Type	Power assisted, recirculating ball with variable steering gear ratio	Power assisted, recirculating ball with variable steering gear ratio	Power assisted, recirculating ball with variable steering gear ratio	Power assisted, recirculating ball with variable steering gear ratio	Power assisted, recirculating ball with variable steering gear ratio
Suspension					
Front	2-leaf parabolic springs	Asymmetrical 3-leaf parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs
Rear	Multi-leaf parabolic springs with support leaf springs	Multi-leaf parabolic springs with support leaf springs	Multi-leaf parabolic springs with support leaf springs	Multi-leaf parabolic springs with support leaf springs	Multi-leaf parabolic springs with support leaf springs
Shock absorbers	front and rear	front and rear	front and rear	front and rear	front and rear
Stabilisers	front and rear	front and rear	front and rear	front and rear	front and rear
Brakes					
Service	Dual-circuit air brake with ABS/ALB with disc brakes front and drums at rear	Dual-circuit air brake with ABS/ALB with drum brakes, front and rear	Dual-circuit air brake with ABS/ALB with drum brakes, front and rear	Dual-circuit air brake with ABS/ALB with drum brakes, front and rear	Dual-circuit air brake with ABS/ALB with disc brakes front and rear
Parking	Spring-brake cylinder acting on rear wheels	Spring-brake cylinder acting on rear wheels	Spring-brake cylinder acting on both rear axles	Spring-brake cylinder acting on rear wheels	Spring-brake cylinder acting on rear wheels
Auxiliary 1	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve
Auxiliary 2					
Model	-	-	-	-	-
Type	-	-	-	-	-
Braking torque	-	-	-	-	-
Chassis					
Type	Two longitudinal members with riveted U-shaped transverse member	Two longitudinal members with riveted U-shaped transverse member	Two longitudinal members with riveted U-shaped transverse member	Ladder frame (side and cross-member), riveted	Ladder frame (side and cross-member), riveted
Fuel Tank					
No. x capacity	1 x 210 litres plastic	1 x 210 litres plastic	1 x 210 litres plastic	400 litres (Steel)	300 litres (Aluminium)
Electrical systems/Electronics					
System voltage	24V	24V	24V	24V	24V
Batteries - No. x capacity	2x 12V/165Ah	2x 12V/165Ah	2x 12V/165Ah	2x 12V/165Ah	2x 12V/165Ah
Wheels					
Tyres, front	315/80 R22,5 tubeless radials	14,00 R20	315/80 R22,5 tubeless radials	315/80 R22,5 tubeless radials	315/80 R22,5 tubeless radials
Tyres, rear	315/80 R22,5 tubeless radials	14,00 R20	315/80 R22,5 tubeless radials	315/80 R22,5 tubeless radials	315/80 R22,5 tubeless radials
Top speed	99 km/h	114 km/h	94 km/h	102 km/h	104 km/h

Mercedes-Benz Axor: Mixer

Model specifications:

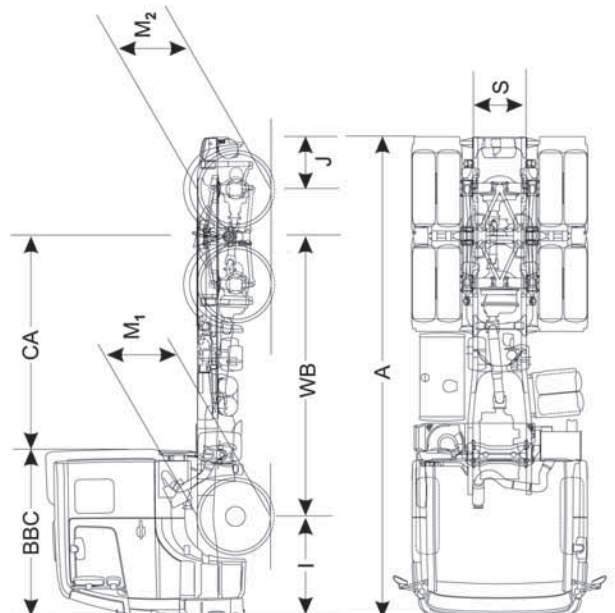
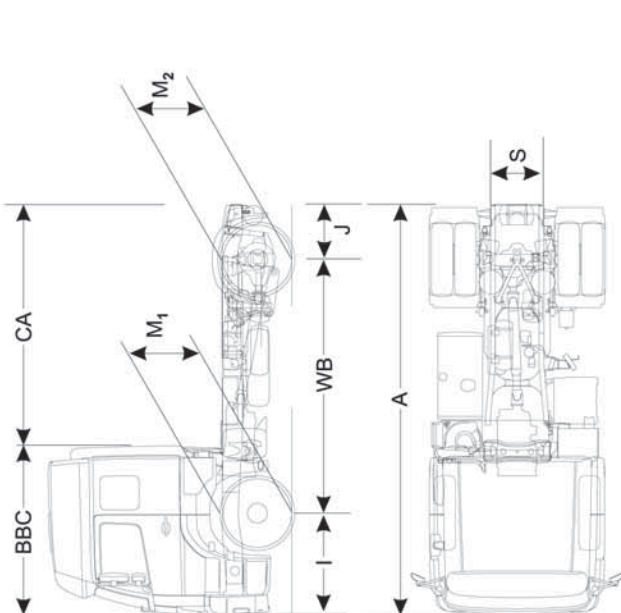
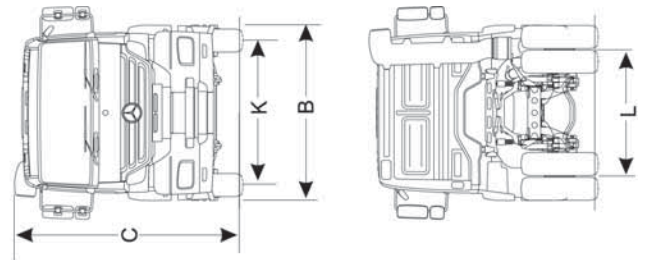
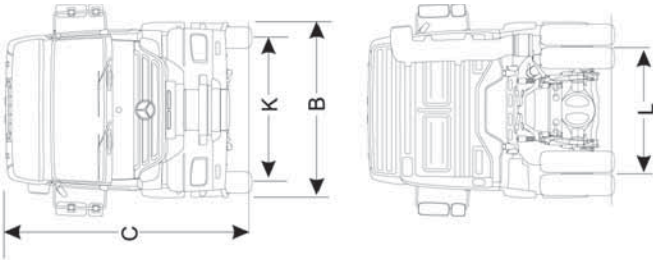
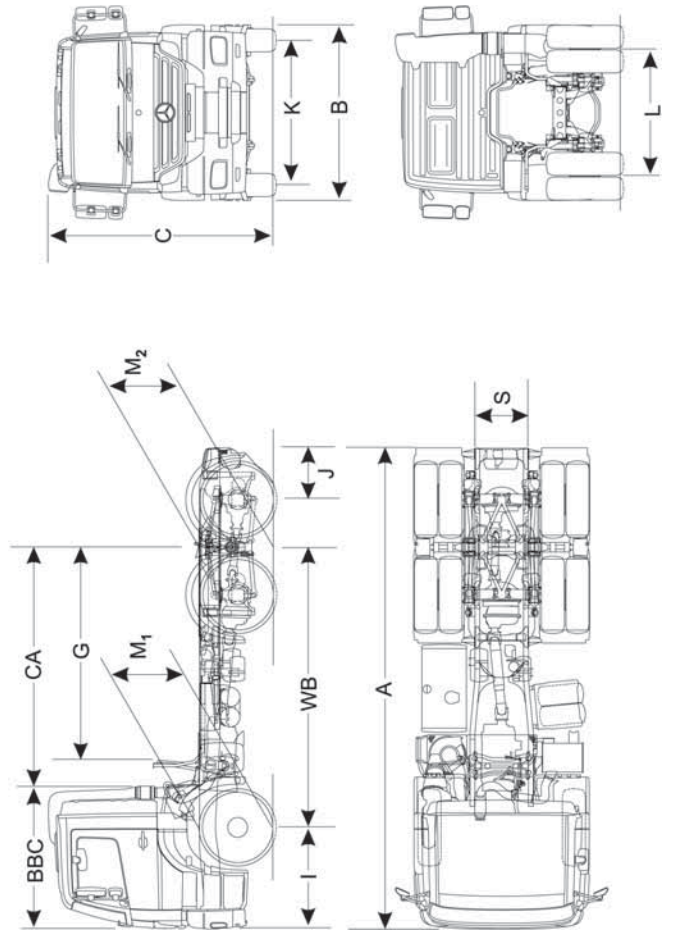
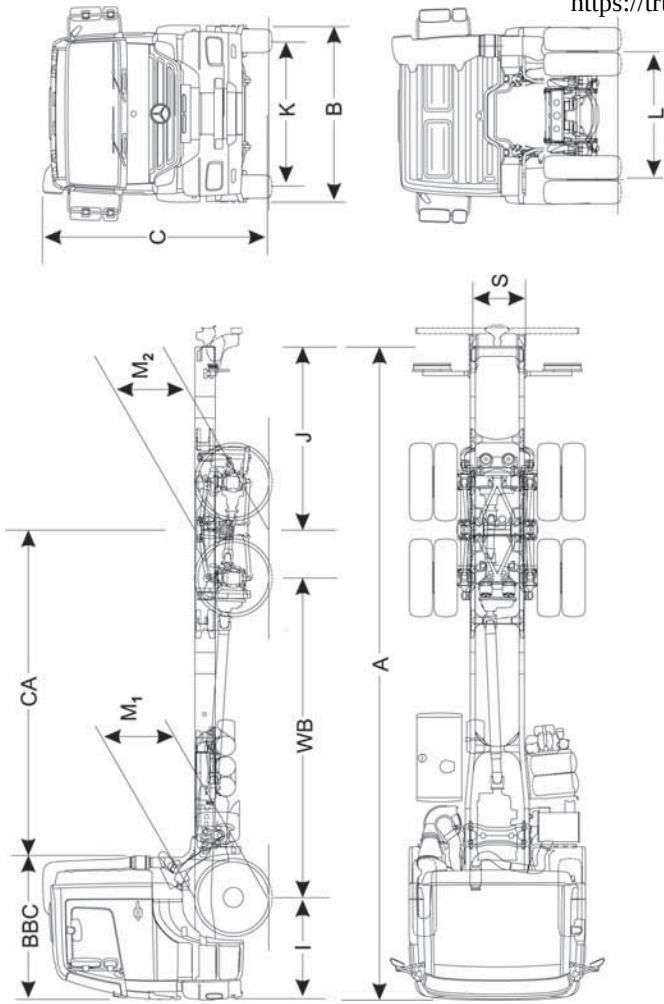
	2628B/33	3535K/51
General Info		
Engine		
No. of cylinders	6 In-line	6 In-line
Total displacement	6,374 litres	11,967 litres
Output	205kW/(279hp) @ 2300 r/min	260kW/(354hp) @ 1900 r/min
Torque	1100Nm @ 1200 to 1500 r/min	1850Nm @ 1100 r/min
Air cleaner		
Type	Enlarged paper element air cleaner	Snorkel air intake with paper element
Clutch		
Type	Single-plate dry clutch with diaphragm spring, hydraulically actuated with clutch booster	Twinplate, dry 400mm diameter
Transmission		
Type	9-speed synchromesh gearbox, with hydraulically operated shift	All synchromesh direct drive, 9 forward gears with 1 crawler gear
Ratios	1st gear: 9,478:1 9th gear: 1:1	1st gear: 14,19:1 16th gear: 0,826:1
PTO	NA 131-2c (tipper applications) Power 68kW, torque 400N.m, ratio 0,95	NA 131-2c Max power 71kW, torque 400N.m, ratio 1:1
Front axle		
Load capacity	7,5 ton	2 x 7,7 ton
Rear axle		
Load capacity	2 x 10,0 ton	2 x 10,0 ton
Axle ratio	4,833:1	3,583:1
Steering diff lock	Yes	Yes
Type	Power assisted, recirculating ball with variable steering gear ratio	Power assisted, recirculating ball with variable steering gear ratio
Suspension		
Front	Parabolic springs	Parabolic springs
Rear	Multi-leaf parabolic springs with support leaf springs	Multi-leaf parabolic springs with support leaf springs
Shock absorbers	front and rear	front and rear
Stabilisers	front and rear	front and rear
Brakes		
Service	Dual-circuit air brake with ABS/ALB with drum brakes, front and rear	Dual-circuit air brake with ABS/ALB with disc brakes front and rear
Parking	Spring-brake cylinder acting on both rear axles	Spring-brake cylinder acting on rear wheels
Auxiliary 1	Engine brake with constantly open throttle valve	Engine brake with constantly open throttle valve
Auxiliary 2		
Model	-	-
Type	-	-
Braking torque	-	-
Chassis		
Type	Two longitudinal members with riveted U-shaped transverse member	Ladder frame (side and cross-member), riveted
Fuel tank		
No. x capacity	1 x 210 litres plastic	1 x 300 litres (Aluminium)
Electrical systems/Electronics		
System voltage	24V	24V
Batteries - No. x capacity	2x 12V/ 165Ah	2x 12V/ 165Ah
Wheels		
Tyres, front	315/80 R22,5 tubeless radials	315/80 R22,5 tubeless radials
Tyres, rear	315/80 R22,5 tubeless radials	315/80 R22,5 tubeless radials
Top speed	94 km/h	104 km/h

Vehicle masses		1823K/36	1823AK/39	1828P/60	2528LP 51	2628P/45	2628B/33
Front axle tare (with cab, tools and spare wheel)		* 3 580	* 4 210	2 850	***3 710	***3 980	***3 665
Rear axle tare (with cab, tools and spare wheel)		* 2 080	* 2 320	2 200	***3 145	***3 670	***3 635
Total tare (with cab, tools and spare wheel)		* 5 660	* 6 530	6 050	*** 6 855	***7 650	***7 300
Manufacturer's front axle mass (GA, front)		7 500	9 000	7 500	7 500	7 500	7 500
Manufacturer's rear axle mass (GU)		13 000	9 000	11 500	19 000	20 000	20 000
Manufacturer's gross vehicle mass (GVM)		18 000	18 000	18 000	26 000	27 500	27 500
Manufacturer's gross combination mass (GCM)		28 000	28 000	36 000	36 000	36 000	–
Permissible front axle mass (A, front)		7 500	7 700	7 500	7 500	7 500	7 500
Permissible rear axle mass (AU)		9 000	8 000	9 000	16 000	18 000	18 000
Permissible maximum vehicle mass (V)		16 500	15 700	16 500	23 500	25 500	25 500
Permissible drawing vehicle mass (D/T)		28 000	28 000	36 000	36 000	36 000	–
* Figures stated are estimates and include tools and spare wheel and a full fuel tank							
** Figures stated are estimates and include 300 l of fuel, but excludes driver, tools and spare wheel							

		1835 LS/36	1840 LS/36	2535LS/26	3335S/33	3340S/33	3335P/45	3340P/45	3335K/36	3535K/51
		* 4 650	* 4 710	* 4 975	*** 4 670	*** 4 840	*** 4 485	*** 4 550	*** 4 465	*** 6 260
		* 1 810	* 1 810	* 2 890	*** 3 960	*** 4 004	*** 4 530	*** 4 560	*** 3 990	*** 3 220
		* 6 460	* 6 520	* 7 865	*** 8 630	*** 8 844	9 015	9 110	** 8 455	** 9 480
		7 500	7 500	7 500	7 500	7 500	7 500	7 500	7 500	15 400
		11 500	11 500	18 600	26 000	26 000	26 000	26 000	26 000	20 000
		18 000	18 000	25 000	33 000	33 000	33 000	33 000	33 000	35 000
		44 000	44 000	50 000	65 000	75 000	65 000	65 000	65 000	50 000
		7 500	7 500	7 500	7 500	7 500	7 500	7 500	7 500	15 000
		9 000	9 000	16 000	18 000	18 000	18 000	18 000	18 000	18 000
		16 500	16 500	23 100	25 500	25 500	25 500	25 500	25 500	33 000
		44 000	44 000	45 000	62 400	70 800	62 400	65 000	62 400	50 000
		*** Figures stated are estimates and include tools, spare wheel, but excludes fuel								
		**** Figures stated are estimates and include chassis, cab, tools, driver and 300 l fuel								

Vehicle dimensions		1823K/36	1823AK/39	1828P/60	2528LP 51	2628P/45	2628B/33
A Overall length		6 555	6 855	10 740	10 140	9 190	7 705
B Overall width		2 500	2 500	2 500	2 490	2 490	2 485
C Vehicle height		2 999	3 099	2 937	2 936	2 936	2 983
W/B Wheelbase		3 600	3 900	6 000	5 775	5 175	3 975
Technical wheelbase		3 600	3 900	6 000	–	5 175	3 975
E 1st to 2nd rear axle		–	–	–	1 350	1 350	1 350
F Chassis length from rear of cab		4 540	4 840	8 910	8 310	7 360	5 610
CA Back of cab to centre of rear axle		3 390	3 690	5 610	5 385	4 785	3 585
I Front overhang		1 440	1 440	1 440	1 440	1 440	1 440
J Rear overhang		1 150	1 150	3 300	2 250	1 900	1 350
K Track width, front		2 052	2 027	2 053	2 053	2 035	2 053
L Track width, rear		1 802	1 952	1 802	1 802	1 802	1 802
M ₁ Frame height, front		1 123	1 223	1 061	1 080	1 061	1 107
M ₁ Frame height, front		1 045	1 157	971	981	971	1 016
M ₂ Frame height, rear		1 179	1 295	1 112	1 057	1 061	1 068
M ₂ Frame height, rear		1 050	1 169	973	997	1 001	1 008
BBC Bumper to back of cab		1 647	1 647	1 827	1 830	1 830	1 827
S Chassis at rear		760	763	758	758	763	763
Turning circle		14,9 m	16,2 m	22,4 m	21,1 m	19,5 m	16,0 m

		1835 LS/36	1840 LS/36	2535LS/26	3335S/33	3340S/33	3335P/45	3340P/45	3335K/36	3535K/51
		5 818	5 818	6 415	6 815	6 815	9 190	9 190	7 140	8 790
		2 500	2 500	2 500	2 507	2 507	2 507	2 507	2 500	2 507
		3 096	3 619	3 093	3 279	3 291	3 279	3 279	3 285	3 338
		3 600	3 600	2 600	3 300	3 300	5 175	5 175	4 275	4 925
		3 600	3 600	3 375	3 975	3 975	5 175	5 175	4 275	4 925
		–	–	1 350	1 350	1 350	1 350	1 350	1 350	1 350
		2 660	2 660	2 073	3 391	3 035	7 162	7 162	5 111	6 499
		–	–	–	3 030	–	4 587	4 587	3 686	4 924
		1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440
		770	770	1 050	720	720	1 900	1 900	750	900
		2 053	2 035	2 053	2 053	2 053	2 053	2 053	2 034	2 054
		1 802	1 802	1 802	1 804	1 804	1 804	1 804	1 804	1 804
		1 039	1 039	1 038	1 133	1 133	1 133	1 133	1 140	1 157
		985	985	971	1 041	1 041	1 041	1 041	1 071	1 074
		1 018	1 018	1 026	1 146	1 146	1 132	1 132	1 184	1 139
		993	993	994	1 056	1 056	1 042	1 042	1 122	1 072
		2 393	2 393	2 592	2 024	2 393	2 024	2 024	2 025	1 827
		758	758	758	763	763	763	763	763	763
		14,9 m	14,9m	15,5m	16,1 m	16,1m	21,0 m	21,0 m	16,9 m	21,5 m



Dealer

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