

Axor - Specifications

Dealer



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Axor Cabs



Short Cabs

Features:

- Air conditioning
- MB radio with CD and Bluetooth® capabilities
- Cruise control
- Multi-function steering wheel with integrated control functions (for on-board computer, Bluetooth® radio and cellphone)
- New instrument cluster with chrome rings offering a more informative new graphics display and new automatic departure check system display
- Full complement of instruments and warning lights
- Electrically operated windows (driver and co-driver)
- Heated exterior rear-view mirrors on the co-driver's side, electronically adjustable outside mirror (driver and co-driver)
- Front aerodynamic (bumper view) mirror
- Shelf and holder for drinks, cans or thermos flasks
- Bottle holder in door trim
- Rubber floor mat
- Static footrest in footwell (co-driver)
- Interior sun visor
- Steel roof lid (air vent), manually operated
- Seat cover featuring "Brasao" design
- Clothes rail with adjustable clothes hooks in cab
- Tinted glass all round
- Stowage facility above windscreen, 2 compartments
- Storage facilities on the rear panel
- Twin compartment stowage above windshield
- Entrance grab handle for driver
- Steel bumper with swivel entry steps
- Swivel cab entry steps
- Headlamp protective grille
- Transparent glass headlights
- OBC communications interface
- Reverse warning device
- Safety standards to ECE 29
- 4-point cab suspension with longitudinally flexible rubber bearings at front (6 Hz) and two suspension struts at rear (1,8 Hz)
- Windows in rear panel (not all models)
- Keys designed with functionality in mind (opening and closing of doors, steering wheel and diesel tanks)
- Immobiliser

Short Cab (with 180 mm 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:

As per the Short Cab, with additional features below:

- Fold up bunk

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 the Short Cab, with additional features listed below:

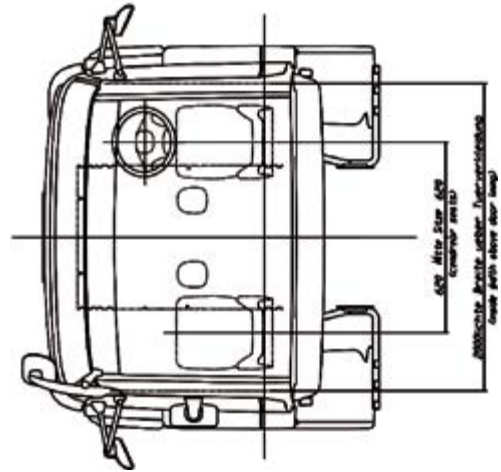
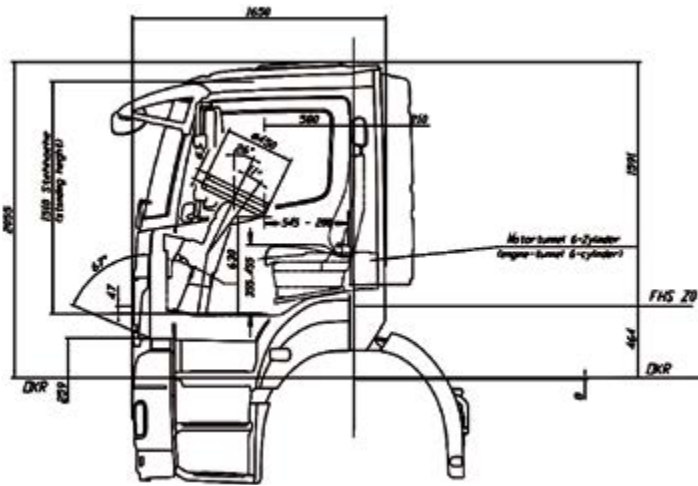
- 645 mm-wide standard bed, non-pull-out, with one-piece 110 mm-thick spring interior mattress and storage areas beneath
- Cab curtain all-round
- Step lighting
- Interior light and two spotlights, one for driver and one for passenger, reading lamp for bunk
- Three sun visors
- Tray/stowage compartment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

Features (Long Cab High Roof):

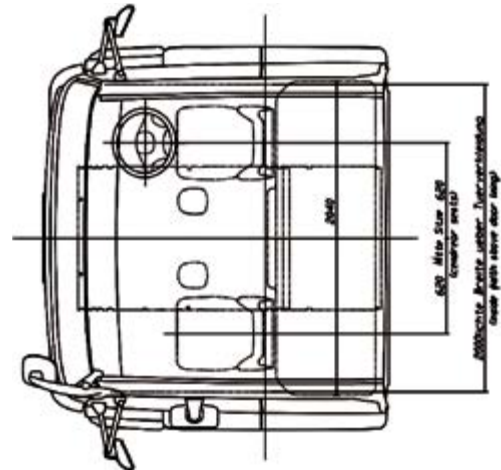
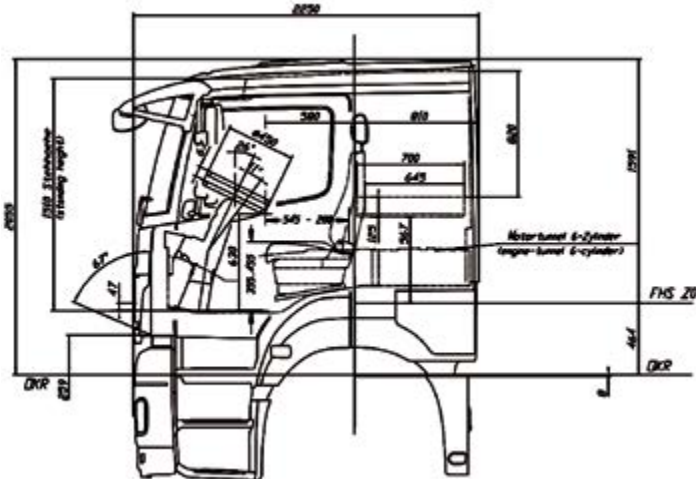
As per the Long Cab Low Roof, with additional features listed below:

- Long distance cockpit
- Electrically operated sunroof
- External sun visor
- Double sleeper beds

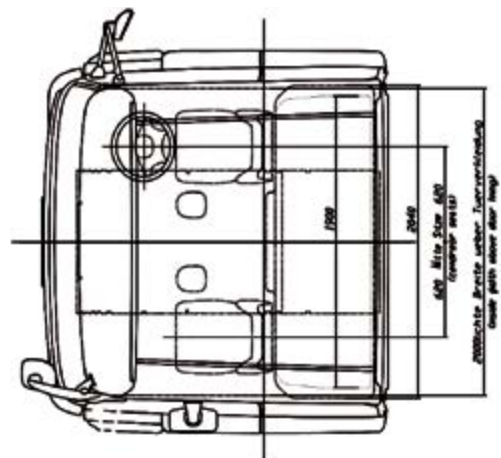
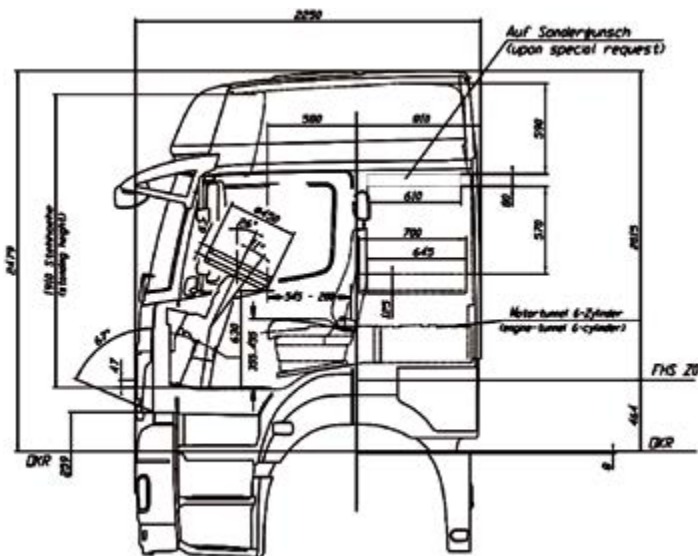
Cab drawings



Standard Day Cab



Low Roof Sleeper Cab



High Roof Sleeper Cab

Axor engines

The OM 906 LA and OM 457 LA engines are R6 engines for individual adaptation of the engine output to the relevant transport task.

OM 906 LA

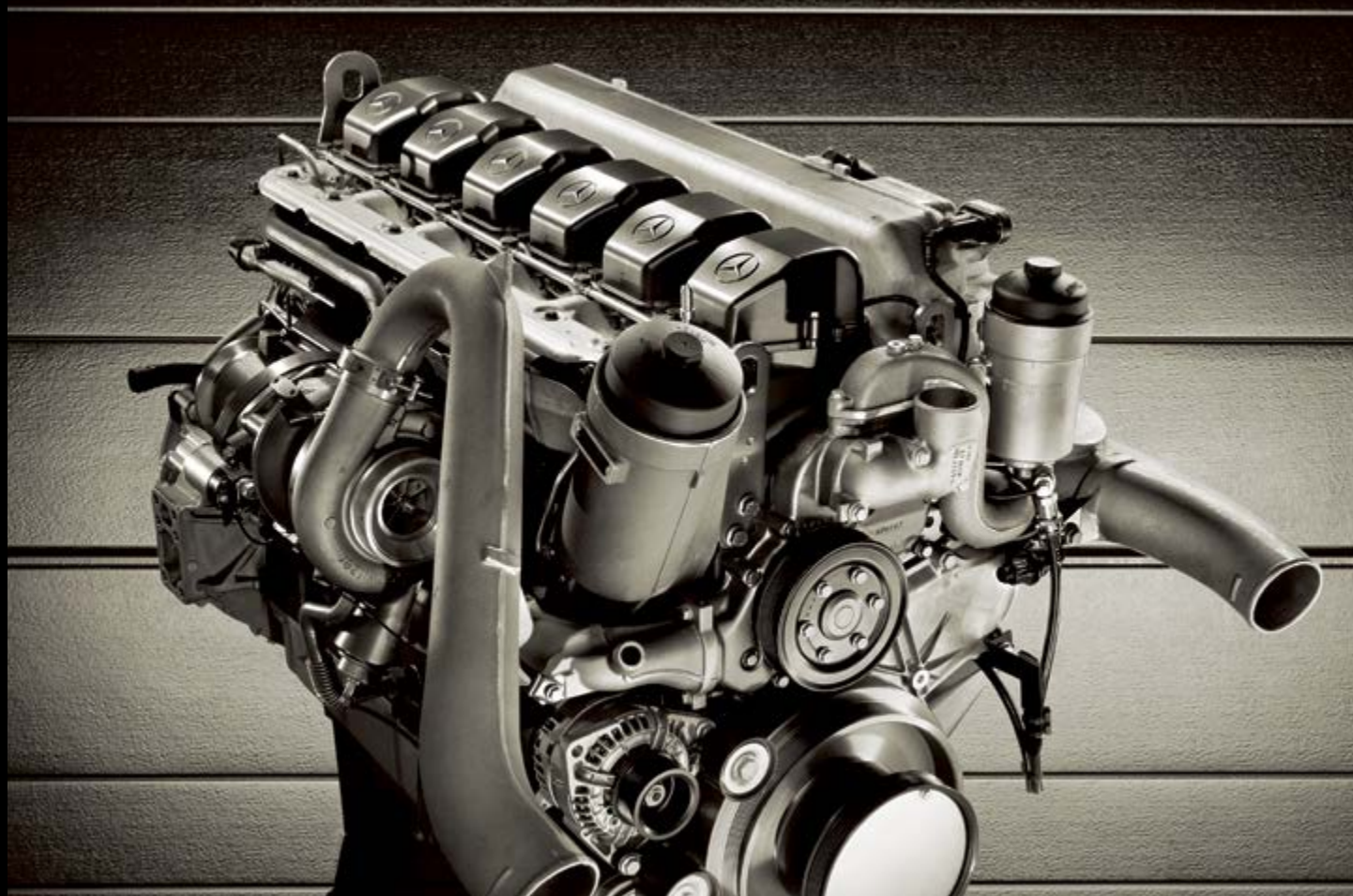
Technical data/features

- 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
- Injection pressure: up to 1 800 bar (Euro 3)
- Performance data for models xx23 – refer to model overview
 - Maximum output: 170 kW/231 hp at 2 300 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/279 hp at 2 300 rpm
 - Maximum torque: 1 100 Nm at 1 200 rpm to 1 600 rpm
- Euro 3 Emission Level

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 1 800 bar
- Compression ratio: 1:17,75
- Ignition pressure: 170 bar (Euro 3)
- 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
- Euro 3 Emission Level



Transmissions



G85-6

The G85-6 gearbox is an all-synchromesh gearbox with 6 forward gears and one reverse gear. It features a hydraulic gearshift.

G85-6 (Ratios)
<ul style="list-style-type: none"> 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 G221-9 and G131-9 gearboxes are direct-drive gearboxes with 8 synchromesh forward gears, one constant-mesh crawler gear and one reverse gear. They consist of a 4-speed basic gearbox with a pneumatic rear-mounted unit (range), shifted hydro-pneumatically.

G131-9 (Ratios)	G221-9 (Ratios)
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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. 210 kg	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

G330-12 & G211-12

The Mercedes Powershift G330-12 and G211-12 gearboxes are fully automated over-drive and direct-drive gearboxes respectively with 12 forward and 4 reverse gears. They consist of a 3-speed basic gearbox with front-mounted unit (splitter) and rear-mounted unit (range).

G330-12	G211-12
<ul style="list-style-type: none"> 1st gear = 11,64 2nd gear = 9,02 3rd gear = 7,03 4th gear = 5,45 5th gear = 4,40 6th gear = 3,41 7th gear = 2,65 8th gear = 2,05 9th gear = 1,60 10th gear = 1,24 11th gear = 1 12th gear = 0,78 1st reverse gear = 12,74 2nd reverse gear = 9,90 3rd reverse gear = 2,90 4th reverse gear = 2,25 	<ul style="list-style-type: none"> 1st gear = 14,93 2nd gear = 11,67 3rd gear = 9,93 4th gear = 7,06 5th gear = 5,63 6th gear = 5,37 7th gear = 3,39 8th gear = 2,65 9th gear = 2,05 10th gear = 1,60 11th gear = 1,28 12th gear = 1 1st reverse gear = 14,93 2nd reverse gear = 11,67 3rd reverse gear = 3,39 4th reverse gear = 2,65
Weight (not including oil): approx. 305 kg	Weight (not including oil): approx. 250 kg

G240-16 & G210-16

The G240-16 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 with Telligent® gearshift.

G240-16 (Ratios)	G210-16
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 1st gear = 14,9 2nd gear = 11,72 3rd gear = 9,58 4th gear = 7,916 5th gear = 6,496 6th gear = 5,368 7th gear = 4,400 8th gear = 3,636 9th gear = 3,224 10th gear = 2,664 11th gear = 2,177 12th gear = 1,799 13th gear = 1,476 14th gear = 1,219 15th gear = 1 16th gear = 0,826 1st reverse gear = 12,897 2nd reverse gear = 10,656
Weight (not including oil): approx. 310 kg	Weight (not including oil): approx. 306 kg

Chassis frame

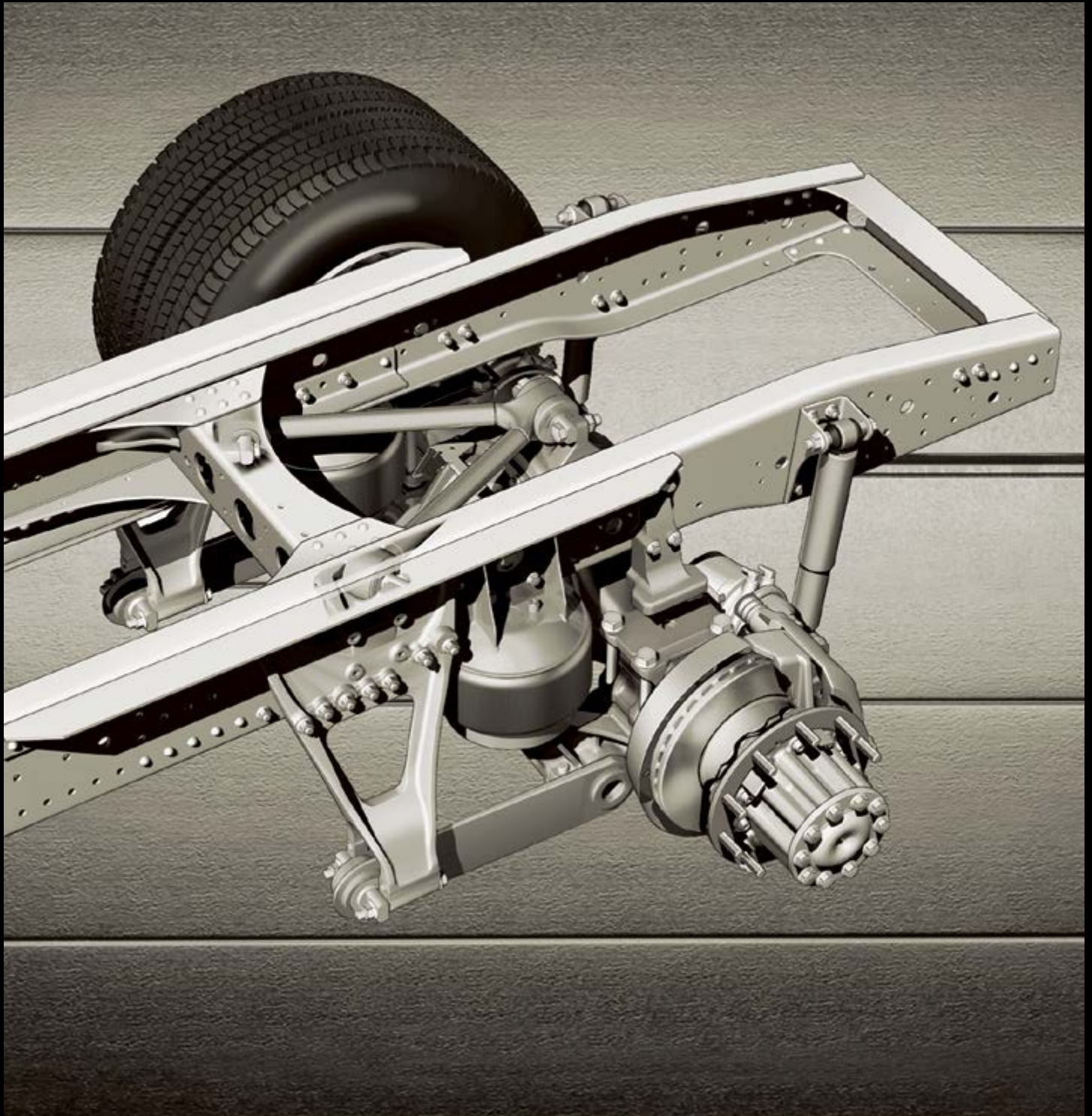
Convincing frame handling

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.





Axor

1829

AXOR

Truck Tractor

Model specifications:

Model	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 ℓ	11,967 ℓ	11,967 ℓ	11,967 ℓ	11,967 ℓ
Output	260 kW (354 hp) @ 1 900 r/min	295 kW (401 hp) @ 1 900 r/min	260 kW (354 hp) @ 1 900 r/min	260 kW (354 hp) @ 1 900 r/min	295 kW (401 hp) @ 1 900 r/min
Torque	1850 Nm @ 1 100 r/min	2000 Nm @ 1 100 r/min	1850 Nm @ 1 100 r/min	1850 Nm @ 1 100 r/min	2000 Nm @ 1 100 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	Twinplate, reinforced, dry 400 mm diameter	Twinplate, reinforced, dry 400 mm diameter	Twinplate, reinforced, dry 400 mm diameter	Twinplate, reinforced, dry 400 mm diameter	Twinplate, reinforced, dry 400 mm diameter
Transmission					
Type	12-speed, Powershift constant mesh automated manual gearbox with integrated engine, gearbox & clutch control for short shifting times and high shifting comfort	12-speed, Powershift constant mesh automated manual gearbox with integrated engine, gearbox & clutch control for short shifting times and high shifting comfort	12-speed, Powershift constant mesh automated manual gearbox with integrated engine, gearbox & clutch control for short shifting times and high shifting comfort	16-speed, full sychromesh, with integrated splitter unit, rear mounted planetary gear set	12-speed, Powershift constant mesh automated manual gearbox with integrated engine, gearbox & clutch control for short shifting times and high shifting comfort
Gearshift	Powershift	Powershift	Powershift	Telligent® Manual	Powershift
Ratios	1st gear: 14,93:1 12th gear: 1,00:1	1st gear: 14,93:1 12th gear: 1,00:1	1st gear: 14,93:1 12th gear: 1,00:1	1st gear: 11,72:1 16th gear: 0,69:1	1st gear: 11,64:1 12th gear: 0,78:1
Pto	MB NA 131-2c	Optional	MB NA 131-2c	MB NA 131-2c	MB NA 131-2c
Cab					
Type	Low Roof Sleeper Cab	High Roof Sleeper Cab	Low Roof Sleeper Cab	Short Cab + 180 mm extension	Low Roof Sleeper Cab
Front axle					
Load capacity	7,5 ton	7,5 ton	7,1 ton	7,5 ton	7,5 ton
Rear axle					
Load capacity	13,0 ton	13,0 ton	13,0 ton + 7,1 ton (pusher axle)	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
Load capacity	11,5 ton	11,5 ton	11,5 ton + 7,1 ton	2 x 13,0 ton	2 x 13,0 ton
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	Front
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 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	Voith Retarder R115 HV (optional)	Voith Retarder R115 HV	Voith Retarder R115 HV (optional)	Voith Retarder R115 HV (optional)	Voith Retarder R115 HV
Type	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic
Braking torque	3500 N.m	3500 N.m	3500 N.m	3500 N.m	3 500 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	Approx. 400 ℓ (aluminium)	Approx. 400 ℓ (aluminium)	Approx. 450 ℓ (aluminium)	Approx. 550 ℓ (aluminium)	Approx. 550 ℓ (aluminium)
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	122 km/h	122 km/h	122 km/h	119 km/h	100 km/h

Freight Carrier

Model specifications:

Model	1828/60	2528L/51	2628L/57	2628/45	3335/45	3340/45	3535K/51 (HYP)
General info							
Engine							
No. Of cylinders	6 In-line	6 In-line	6 In-line	6 In-line	6 In-line	6 In-line	6 In-line
Total displacement	6 374 ℓ	6 374 ℓ	6 374 ℓ	6 374 ℓ	11 967 ℓ	11 967 ℓ	11 967 ℓ
Output	205 kW (279 hp) @ 2 200 r/min	205 kW (279 hp) @ 2 200 r/min	205 kW (279 hp) @ 2 200 r/min	205 kW (279 hp) @ 2 200 r/min	260 kW (354 hp) @ 1 900 r/min	295 kW (401 hp) @ 1 900 r/min	260 kW (354 hp) @ 1 900 r/min
Torque	1 100 Nm @ 1 200 r/min	1 100 Nm @ 1 200 r/min	1 100 Nm @ 1 200 r/min	1 100 Nm @ 1 200 r/min	1 850 Nm @ 1 100 r/min	2 000 Nm @ 1 100 r/min	1 850 Nm @ 1 100 r/min
Air cleaner							
Type	Enlarged paper element air filter	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, 395 mm diameter	Single dry plate clutch with reinforced diaphragm spring, 395mm diameter		Single dry plate clutch with reinforced diaphragm spring, 395mm diameter	Twinplate, reinforced, dry 400mm diameter	Twinplate, reinforced, dry 400mm diameter	Twinplate, reinforced, dry 400mm diameter
Transmission							
Type	8-speed, full synchromesh, with integrated splitter unit and rear mounted planetary gear set, with additional crawler gear	8-speed, full synchromesh, with integrated splitter unit and rear mounted planetary gear set, with additional crawler gear	Allison Automatic gearbox 3000P, 6-speed, multi-speed planetary gearbox with 6 forward gears and 1 reverse gear	8-speed, full synchromesh, with integrated splitter unit and rear mounted planetary gearset, with additional crawler gear	16-speed, full synchromesh, with integrated splitter unit and rear mounted planetary gearset	12-speed, Powershift constant mesh automated manual gearbox with integrated engine, gearbox & clutch control for short shifting times and high shifting comfort	All synchromesh, direct drive, 8 forward gears with 1 crawler gear
Gearshift	Hydraulic Operation	Hydraulic Operation	Automatic	Hydraulic Operation	Telligent® Manual	Powershift	Hydraulic Operation
Ratios	1st gear: 9,478:1 9th gear: 1:1	1st gear: 9,478:1 9th gear: 1:1	1st gear: 3,49:1 6th gear: 0,65:1	1st gear: 9,478:1 9th gear: 1:1	1st gear: 11,72:1 16th gear: 0,69:1	1st gear: 11,64:1 12th gear: 0,78:1	1st gear: 10,187:1 8th gear: 1,00:1
Pto	-	-	-	MB NA 131-2c	MB NA 131-2c	MB NA 131-2c	MB NA 131-2c
Cab							
Type	Short Cab with 180 mm extension	Short Cab with 180 mm extension	Long Cab with low roof	Short Cab with 180 mm extension	Short Cab with 180 mm extension	Short Cab with 180 mm extension	Short Cab
Front axle							
Load capacity	7,5 ton	7,5 ton	7,5 ton	7,5 ton	7,5 ton	7,5 ton	2 x 7,5 ton
Rear axle							
Load capacity	11,5 ton	11,5 ton + 7,5 ton (Tag axle)	13 ton + 10 ton (Tag axle)	2 x 13 ton	2 x 13,0 ton	2 x 13,0 ton	2 x 10,0 ton
Axle ratio	4,300:1	4,333:1	5,222:1	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 assisted, recirculating ball	Power assisted, recirculating ball	Power assisted, recirculating ball
Suspension							
Front	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs
Rear	Parabolic springs	Air suspension with Telligent level control	Air suspension non-liftable	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs
Load capacity	13 ton	11,5 ton + 7,5 ton (Tag axle)	9,5 ton + 9,5 ton (Tag axle) (in-line, Load capacity)	2 x 9,5 ton	2 x 16,0 ton	2 x 16,0 ton	2 x 9,5 ton
Shock absorbers	Front and rear	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	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 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, drum brakes all round
Parking	Spring brake cylinder acting on rear axle	Spring brake cylinder acting on both rear axles	Spring brake cylinder	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	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 Retarder R115 HV (optional)	Voith Retarder R115 HV	-
Type	-	-	-	-	Hydrodynamic	Hydrodynamic	-
Braking torque	-	-	-	-	3 500 N.m	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	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 400 ℓ (steel)	1 x 400 ℓ (steel)	Approx. 400 ℓ (steel)	1 x 210ℓ (plastic)	Approx. 400 ℓ (steel)	Approx. 400 ℓ (steel)	Approx. 300 ℓ (aluminium)
Electrical systems/electronics							
System voltage	24V	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	2 x 12V/165 Ah
Wheels							
Tyres, front	315/80 R22.5 18PR	315/80 R22.5 18PR	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 18PR	315/80 R22.5 18PR	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	101 km/h	100 km/h	128 km/h	100 km/h	112 km/h	100 km/h	104 km/h

Tipper & Mixer

Model specifications:

Model	1823K/36	1823AK/39	2628B/33	3335K/36	3535K/51 (HYP)	3535K/51 (HUB)
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	6 374 ℓ	6 374 ℓ	6 374 ℓ	11 967 ℓ	11 967 ℓ	11 967 ℓ
Output	170 kW/(231 hp) @ 2 200 r/min	170 kW/(231 hp) @ 2 200 r/min	205 kW/(279 hp) @ 2 200 r/min	260 kW/(354 hp) @ 1 900 r/min	260 kW/(354 hp) @ 1 900 r/min	260 kW/(354 hp) @ 1 900 r/min
Torque	810 Nm @ 1 200 to 1600 r/min	810 Nm @ 1 200 to 1 600 r/min	1100 Nm @ 1 200 to 1 600 r/min	1 850 Nm @ 1 100 r/min	1 850 Nm @ 1 100 r/min	1 850 Nm @ 1 100 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	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, reinforced, dry 400 mm diameter	Twinplate, reinforced, dry 400 mm diameter	Twinplate, reinforced, dry 400 mm diameter
Transmission						
Type	6-speed full synchromesh	6-speed full synchromesh	9-speed synchromesh gearbox	16-speed full synchromesh, with integrated splitter unit and rear mounted planetary gearset	All synchromesh direct drive, 9 forward gears with 1 crawler gear	16-speed full synchromesh, with front mounted splitter and a rear mounted unit (range)
Gearshift	Hydraulic Operation	Hydraulic Operation	Hydraulic Operation	Telligent® Manual	Hydraulic Operation	Telligent® Manual
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: 10,19:1 9th gear: 1:1	1st gear: 14,19:1 16th gear: 0,826:1
Pto	NA 60-2c	NA 60-2c	NA 131-2c and engine take off (600 N.m)	NA 131-2c	NA 131-2c and engine take off (600 N.m)	NA 131-2c
Cab						
Type	Short Cab	Short Cab	Short Cab	Short Cab	Short Cab	Short Cab
Front axle						
Load capacity	7,5 ton	9,0 ton	7,5 ton	7,5 ton	2 x 7,5 ton	2 x 7,5 ton
Rear axle						
Load capacity	13,0 ton	13,0 ton	2 x 13,0 ton	2 x 13,0 ton	2 x 10,0 ton	2 x 13,0 ton
Axle ratio	6,0:1	6,0:1	4,833:1	5,333:1	3,583:1	4,333:1
Steering differential lock	Yes	Yes	Yes	Yes	Yes	Yes
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	Power assisted, recirculating ball with variable steering gear ratio
Suspension						
Front	3-leaf parabolic springs	Asymmetrical 3-leaf parabolic springs	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	Multi-leaf parabolic springs with support leaf springs
Load capacity	13,0 ton	13,0 ton	2 x 13,0 ton	2 x 16,0 ton	2 x 9,5 ton	2 x 13 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 with disc brakes front and drums at rear	Dual-circuit air brake with ABS/ALB with disc brakes front and drums at rear	Dual-circuit air brake with ABS/ALB with disc brakes front and drums at rear	Dual-circuit air brake with ABS with disc brakes front and drums at rear	Dual-circuit air brake with ABS with disc brakes front and drums at rear	Dual-circuit air brake with ABS with disc brakes front and drums at 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	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	Engine brake with constantly open throttle valve
Auxiliary 2						
Model	-	-	-	-	-	-
Type	-	-	-	-	-	-
Braking torque	-	-	-	-	-	-
Chassis						
Type	Full-length mono frame	Full-length mono frame	Two longitudinal members with riveted U-shaped transverse members	Ladder frame (side and cross-member), riveted	Ladder frame (side and cross-member), riveted	Ladder frame (side and cross-member), riveted
Fuel tank						
No. X capacity	1 x 210 ℓ (plastic)	1 x 210 ℓ (plastic)	1 x 210 ℓ (plastic)	1 x 400 ℓ (steel)	1 x 300 ℓ (aluminium)	1 x 400 ℓ (steel)
Electrical systems/electronics						
System voltage	24V	24V	24V	24V	24V	24V
Batteries - no. X capacity	2x 12V/165Ah	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	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	315/80 R22.5 tubeless radials
Top speed	99 km/h	114 km/h	94 km/h	102 km/h	104 km/h	104 km/h

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Vehicle masses (kg)	1823K/36	1823AK/39	2628B/33	3335K/36	3535K/51 (HYP)	3535K/51 (HUB)	1835 LS/36	1840 LS/36	2535LS/39	3335S/33	3340S/33	1828/60	2528L/51	2628L/57	2628/45	3335/45	3340/45
Front axle tare (with cab, tools and spare wheel)	*3 856	*4 536	***3 879	**4 789	*6 682	*6 780	*4 694	*4 820	**4 317	***4 670	***4 840	3 879	***3 951	3 920	***3 943	***4 485	***4 550
Rear axle tare (with cab, tools and spare wheel)	*1 945	*2 306	***3 990	**4 342	*3 000	*3 376	*1 997	*2 026	**3 390	***3 960	***4 004	2 232	***2 203	3 500	***4 178	***4 530	***4 560
Total tare (with cab, tools and spare wheel)	*5 801	*6 842	***7 710	**9 130	*9 681	*10 155	*6 691	*6 846	**7 707	***8 630	***8 844	6 111	***7 278	7 460	***8 121	9 015	9 110
Manufacturer's front axle mass (GA, front)	7 500	9 000	7 500	7 500	15 400	15 000	7 500	7 500	7 100	7 500	7 500	7 500	7 500	7 500	7 500	7 500	7 500
Manufacturer's rear axle mass (GU)	13 000	9 000	20 000	26 000	20 000	20 000	11 500	11 500	18 600	26 000	26 000	11 500	19 000	19 000	20 000	26 000	26 000
Manufacturer's gross vehicle mass (GVM)	18 000	18 000	27 500	33 000	35 000	35 000	18 000	18 000	25 000	33 000	33 000	18 000	26 000	26 000	27 500	33 000	33 000
Manufacturer's gross combination mass (GCM)	28 000	28 000	-	65 000	40 000	65 000	44 000	44 000	50 000	65 000	65 000	36 000	36 000	36 000	36 000	65 000	65 000
Permissible front axle mass (A, front)	7 500	7 700	7 500	7 500	15 400	15 000	7 500	7 500	7 100	7 500	7 500	7 500	7 500	7 500	7 500	7 500	7 500
Permissible rear axle mass (AU)	9 000	8 000	18 000	18 000	18 000	18 000	9 000	9 000	16 000	18 000	18 000	9 000	16 000	18 000	18 000	18 000	18 000
Permissible maximum vehicle mass (V)	16 500	15 700	25 500	25 500	33 400	33 000	16 500	16 500	23 100	25 500	25 500	16 500	23 500	25 500	25 500	25 500	25 500
Permissible drawing vehicle mass (D/T)	28 000	28 000	-	62 400	40 000	62 400	44 000	44 000	45 000	62 400	65 000	36 000	36 000	36 000	36 000	65 000	65 000

* Figures stated are estimates and include tools, spare wheel and a full fuel tank

** Figures stated are estimates and include 300 l of fuel, but exclude driver, tools and spare wheel

*** Figures stated are estimates and include tools and a spare wheel, but exclude fuel

**** Figures stated are estimates and include chassis, cab, tools, driver and 300 l fuel

Vehicle dimensions (mm)	1823K/36	1823AK/39	2628B/33	3335K/36	3535K/51 (HYP)	3535K/51 (HUB)	1835 LS/36	1840 LS/36	2535LS/39	3335S/33	3340S/33	1828/60	2528L/51	2628L/57	2628/45	3335/45	3340/45
A Overall length	6 555	6 855	7 705	7 405	9 055	8 790	5 815	5 815	6 415	6 815	6 815	11 005	10 405	10 890	9 445	9 455	9 190
B Overall width	2 500	2 500	2 485	2 500	2 500	2 507	2 500	2 500	2 500	2 500	2 500	2 494	2 494	2 500	2 494	2 500	2 507
C Cab height	2 999	3 173	3 047	3 270	3 318	3 338	3 109	3 523	3 209	3 279	3 291	2 951	2 940	2 943	3 006	3 279	3 279
W/B Wheelbase	3 600	3 900	3 975	4 275	4 925	4 925	3 600	3 600	3 275	3 975	3 975	6 000	5 775	6 375	5 175	5 175	5 175
E 1st to 2nd rear axle	-	-	1 350	1 350	1 350	1 350	-	-	1 350	1 350	1 350	-	1 350	1 350	1 350	1 350	1 350
F Chassis length from rear of cab	4 540	4 393	5 595	5 291	6 499	4 924	2 660	2 660	2 168	3 391	3 035	8 910	8 114	8 656	7 164	7 162	7 162
CA Back of cab to centre of rear axle	3 390	3 243	3 570	3 866	4 924	6 499	-	-	-	3 030	-	5 610	5 189	5 878	4 979	4 587	4 587
I Front overhang	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440
J Rear overhang	1 150	1 150	1 350	750	900	900	770	770	1 050	720	720	3 300	2 250	2 400	1 900	1 900	1 900
K Track width, front	2 052	2 027	2 053	2 034	2 054	2 054	2 053	2 053	2 053	2 053	2 053	2 053	2 053	2 053	2 053	2 053	2 053
L Track width, rear	1 802	1 802	1 802	1 804	1 823	1 804	1 802	1 802	1 802	1 804	1 804	1 802	1 802	1 802	1 802	1 804	1 804
M ₁ Frame height, front	1 123	1 297	1 121	1 124	1 157	1 157	1 054	1 054	1 052	1 133	1 133	1 061	1 014	1 014	1 081	1 133	1 133
M ₁ Frame height, front	1 045	1 231	1 030	1 055	1 074	1 074	1 000	1 000	985	1 041	1 041	971	1 001	1 001	985	1 041	1 041
M ₂ Frame height, rear	1 179	1 369	1 082	1 168	1 139	1 139	1 041	1 041	1 040	1 146	1 146	1 112	1 005	1 005	1 087	1 132	1 132
M ₂ Frame height, rear	1 050	1 243	1 022	1 106	1 072	1 072	1 009	1 009	1 008	1 056	1 056	973	982	982	978	1 042	1 042
BBC Bumper to back of cab	1 647	2 094	1 842	1 845	1 827	1 827	2 396	2 396	2 461	2 024	2 393	1 827	2 023	2 234	2 023	2 024	2 024
S Chassis at rear	760	763	763	763	763	763	758	758	758	763	763	758	758	758	763	763	763
Turning circle	14,9 m	16,2 m	16,0 m	16,9 m	21,5 m	21,5	14,9 m	14,9m	15,5m	16,1 m	16,1m	21,0 m	21,0 m	22,4 m	16,9 m	21,5 m	21,0 m

Model Overview

Model	1823K/36	1823AK/39	2628B/33	3335K/36	3535K/51 (HUB)	3535K/51 (HVP)	1835 LS/36	1840 LS/36	2535LS/39	3335S/33	3340S/33	1828/60	2528L/51	2628L/57	2628/45	3335/45	3940/45	
	Tipper / Mixer						Truck Tractor						Freight Carrier					
Cab	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Short Cab																		
Short Cab + 180 mm extension																		
Low Roof Steeper Cab																		
High Roof Steeper Cab																		
Engine	OM906LA	OM906LA	OM906LA	OM457LA	OM457LA	OM457LA	OM457LA	OM457LA	OM457LA	OM457LA	OM457LA	OM906LA	OM906LA	OM906LA	OM906LA	OM457LA	OM457LA	
Number of cylinders	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	6 in-line	
Output kW/hp	170/231	170/231	205/279	260/354	260/354	260/354	260/354	295/401	260/354	260/354	295/401	205/279	205/279	205/279	260/354	260/354	295/401	
@ r/min	2 200	2 200	2 200	1 900	1 900	1 900	1 900	1 900	1 900	1 900	1 900	2 200	2 200	2 200	1 900	1 900	1 900	
Torque N.m	810	810	1 100	1 850	1 850	1 850	1 850	2 000	1 850	1 850	2 000	1 100	1 100	1 100	1 850	2 000	2 000	
@ r/min	1 200-1 600	1 200-1 600	1 200-1 600	1 100	1 100	1 100	1 100	1 100	1 100	1 100	1 100	1 200-1 600	1 200-1 600	1 200-1 600	1 100	1 100	1 100	
Transmission	G85-6	G85-6	G131-9	G240-16	G210-16	G221-9	G211-12	G211-12	G211-12	G240-16	G330-12	G131-9	G131-9	Allison Auto 3000P	G131-9	G240-16	G330-12	
PTO - transmission	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
PTO - Engine-driven												•	•	•				
Rear axle																		
Final ratio	6.0:1	6.0:1	4.833:1	5.333:1	4.333:1	3.583:1	3.077:1	3.077:1	3.077:1	4.571:1	4.571:1	4.300:1	4.333:1	4.333:1	4.333:1	4.833:1	4.833:1	
Brakes																		
Disc brakes all round	Front	Front	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Drum brakes all round	Rear	Rear	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Retarder																		
Suspension																		
Front parabolic spring (ton)	7.5	9.0	7.5	9.0	2 x 7.5	2 x 7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	9.0	9.0	
Rear air suspension (ton)																		
Rear parabolic springs (ton)	13.0	13.0	2 x 13.0	2 x 16.0	2 x 13.0	2 x 9.5	11.5	11.5	11.5 + 7.1	2 x 13.0	2 x 13.0	13.0	11.5 + 7.5	2 x 9.5	2 x 9.5	2 x 16.0	2 x 16.0	
Fuel tank																		
Capacity approx. (l)	210	210	210	400	400	300	400	400	450	550	550	400	400	400	210	400	400	
Wheelbase (mm)	3 600	3 900	3 975	4 275	4 925	4925	3 600	3 600	3 225	3 975	3 975	6 000	5 775	6 375	5 175	5 175	5 175	
Manufacturer's GVM (kg)	18 000	18 000	27 500	33 000	35 000	35 000	18 000	18 000	25 000	33 000	33 000	18 000	26 000	26 000	27 500	33 000	33 000	
Manufacturer's GCM (kg)	28 000	28 000	36 000	65 000	65 000	40 000	44 000	44 000	50 000	65 000	65 000	36 000	36 000	36 000	36 000	65 000	65 000	

• = Standard equipment; ◦ = Optional equipment. Wheelbase measured from centre of front axle to centre of rear axle/unit (or technical wheelbase).

