ACTROS - Specifications



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Actros Cabs





Standard Day Cabs

The comfortable day cab with generous space concept is designed to meet the needs of the driver/passenger in local distribution and national long-distance operation. It is designed on the basis of state-of-the-art ergonomics and safety aspects and offers a great deal of space and storage facilities (side panels, roof, doors and rear panel).

Features

- · Air conditioner
- · Radio/CD with Bluetooth
- · Central locking
- · Adjustable steering
- · All-round tinted windows
- · Lateral sun visor
- · Electrical windows
- · Electrical adjustable rear-view mirrors
- · Front aerodynamic and ramp mirror
- \cdot A fold-up bunk fitted as standard equipment on selected models
- \cdot Seat covers made of hard-wearing woven fabric
- \cdot Storage compartments at left/right in front of the rear panel with cover
- $\boldsymbol{\cdot}$ Storage facilities above the windscreen, in the front section and the doors
- · Comfortable four-point cab suspension

Benefits

- · Facilitates work for driver due to the highly functional, generous and attractive space concept.
- · Very pleasant stopovers in the cab (waiting times and rest times etc.) due to the generous available space.
- · Driver can spend night in cab if fold-up bunk is fitted (day cab).
- · High rest and sleep comfort thanks to wide bed with foam mattress, integrated point-elastic mattress support, adjustable head section (long cab).
- \cdot Numerous storage facilities in the cab keep it tidy and provide convenience.
- \cdot Comfortable cab suspension with good suspension comfort relieves the strain on the driver on long journeys.
- Very high level of passive safety thanks to high-strength design in accordance with efficient safety facilities.
- Reduced fouling of the cab and the side windows thanks to enhanced aerodynamics.

Long Cabs

The comfortable long cab is designed entirely to meet the needs of the driver/passenger and to provide comfort during vehicle 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, rear wall).

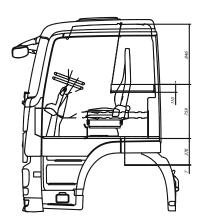
Features (low roof sleeper cab)

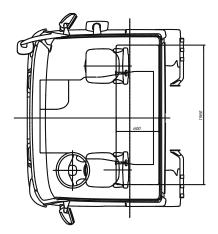
- · As per the day cab with additional features listed below
- · Sunblind, side window (driver's door)
- · Luxury bottom bed
- · All-round curtain

Features (premium sleeper cab)

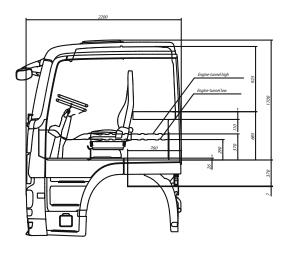
- · As per the low roof sleeper cab with additional features listed below
- · External sunvisor
- · Electrical tilting/sliding roof hatch
- · Stowage compartments above windscreen
- · High roof
- · Comfort top and bottom bed

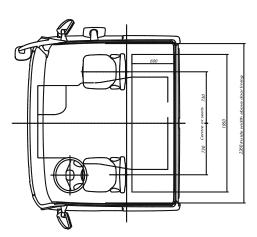
Cab Drawings



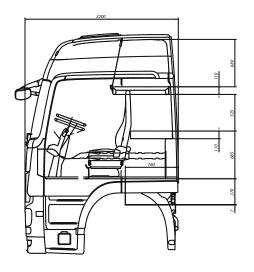


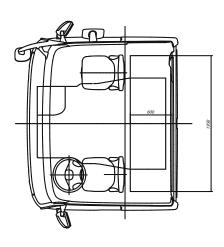
Standard day cab





Low roof sleeper cab





Premium sleeper cab

Actros Engines

Features

- \cdot Reinforced cylinder head due to high-strength materials.
- · Inductively hardened cylinder head lower face and enhanced cylinderhead gasket for reducing wear and for a higher thermal load rating.
- · Enhanced injection system with modified injection nozzles for reduced thermal loading in engine-brake operation.
- Enhanced piston cooling, piston rings and piston-pin bearing assemblies for reduced, constant oil consumption throughout the entire engine service life and a higher mechanical load rating.
- · Reduced gas-exchange losses by enhancement of the exhaust ports and the exhaust-gas stub to accommodate the engine-brake flap.
- New-generation turbochargers with high-strength impeller for maximum mechanical stability, increased air throughput and enhanced efficiency.
- · Extended valve-adjustment intervals due to wear-resistant materials.
- · Long-life alternator and enhanced countershaft starter.

OM 501 LA

The OM 501 LA engine is a V6 engine with enhanced efficiency for individual adaptation of the engine output to the relevant transport task.

Technical data

- \cdot V6 engine with one exhaust-gas turbocharger and charge-air intercooling.
- · Displacement: 11 946 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.
- · 6-hole injection nozzles.
- · Euro 3 version.

Key Performance Data for OM 501 LA Series Engines – refer to model overview.

- · Maximum output: 320 kW/435 hp at 1 800 rpm.
- · Maximum torque: 2100 N.m at 1 080 rpm.

Benefits

- · Assists in achieving fuel-saving, economical operation as a function of transport task and driving style.
- · Extended engine life.
- · Reduction in lifecycle costs.

OM 502 LA

The OM 502 LA engine is a V8 engine with enhanced efficiency for individual adaptation of the engine output to the relevant transport task.

Technical data

- · V8 engine with two exhaust-gas turbochargers and charge-air intercooling.
- · Displacement: 15 928 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.
- · 6-hole injection nozzles.
- · Euro 3 version.

Key Performance Data for OM 502 LA Series Engines – refer to model overview.

- · Maximum output: 450 kW/ 612 hp at 1 800 rpm.
- · Maximum torque: 2 700 N.m at 1 300 rpm.



Mercedes-Benz PowerShift Transmissions

Mercedes PowerShift adapts the rotational speeds of the main shaft and gear wheel by means of the electronic engine or gearbox control. This dispenses with the need for servo-lock synchronisation. A propellershaft brake on the countershaft decelerates the rotating gearbox masses when upshifting. When downshifting, the engine speed is boosted to ensure synchronism of the corresponding gear wheel with the countershaft.

G280-16

The Mercedes PowerShift G280-16 gearbox is a fully-automated overdrive gearbox with 16 forward gears and 4 reverse gears. It consists of a 4-speed basic gearbox with front-mounted unit (splitter) and rearmounted unit (range).

G280-16 Ratios

- $\cdot 1^{st}$ gear = 11.72
- $\cdot 2^{nd} \text{ gear} = 9.75$
- $\cdot 3^{rd} \text{ gear} = 7.92$
- $\cdot 4^{\text{th}} \text{ gear} = 6.58$
- \cdot 5th gear = 5.29
- $\cdot 6^{\text{th}} \text{ gear} = 4.40$
- · 7th gear = 3.64 $\cdot 8^{th} \text{ gear} = 3.02$
- \cdot 9th gear = 2.66 $\cdot 10^{\text{th}} \text{ gear} = 2.22$
- · 11th gear = 1.80
- · 12th gear = 1.50
- $\cdot 13^{\text{th}} \text{ gear} = 1.20$
- $\cdot 14^{\text{th}} \overline{\text{gear}} = 1.0$ $\cdot 15^{\text{th}} \text{ gear} = 0.83$
- $\cdot 16^{th} \text{ gear} = 0.69$
- \cdot 1st reverse gear = 16.39
- \cdot 2nd reverse gear = 12.74
- \cdot 3rd reverse gear = 2.42
- · 4th reverse gear = 2.01

Weight including oil: approx. 309 kg

G240-16 and G210-16

The G240-16 and G210-16 gearbox is an all-synchromesh overdrive gearbox with 16 forward gears and 2 reverse gears. It consists of a 4-speed basic gearbox with front-mounted unit (splitter) and rearmounted unit (range). The gears can be shifted either with Telligent manual gearshift as standard or the optional Telligent automated gearshift.

G210-16 Ratios

 $\cdot 1^{st}$ gear = 14.19

 $\cdot 2^{nd} \text{ gear} = 11.72$

 $\cdot 3^{rd} \text{ gear} = 9.580$

 $\cdot 4^{\text{th}} \text{ gear} = 7.916$

 $\cdot 5^{\text{th}} \text{ gear} = 6.496$

 \cdot 6th gear = 5.368

 \cdot 7th gear = 4.400

 $\cdot 8^{th} \text{ gear} = 3.636$

 $\cdot 9^{\text{th}} \text{ gear} = 3.224$

 $\cdot 10^{\text{th}} \text{ gear} = 2.664$

 $\cdot 11^{th}$ gear = 2.177

 $\cdot 12^{th}$ gear = 1.799

 $\cdot 13^{\text{th}} \text{ gear} = 1.476$

· 14th gear = 1.219

 $\cdot 15^{th} \text{ gear} = 1.000$

 $\cdot 16^{th}$ gear = 0.826

· 1st reverse gear = 12.897

· 2nd reverse gear = 10.656

Weight including oil: approx. 306 kg

G240-16 Ratios

- $\cdot 1^{st} \text{ gear} = 11.72$
- $\cdot 2^{nd} \text{ gear} = 9.747$
- $\cdot 3^{rd} \text{ gear} = 7.918$
- $\cdot 4^{th} \text{ gear} = 6.583$
- $\cdot 5^{th} \text{ gear} = 5.291$
- \cdot 6th gear = 4.400
- \cdot 7th gear = 3.636
- $\cdot 8^{th} \text{ gear} = 3.023$
- $\cdot 9^{\text{th}} \text{ gear} = 2.654$
- $\cdot 10^{th} \text{ gear} = 2.215$
- $\cdot 11^{\text{th}} \text{ gear} = 1.799$
- $\cdot 12^{th}$ gear = 1.496
- $\cdot 13^{th}$ gear = 1.203
- $\cdot 14^{\text{th}} \text{ gear} = 1.00$
- $\cdot 15^{\text{th}} \, \text{gear} = 0.826$ $\cdot 16^{th}$ gear = 0.687
- · 1st reverse gear = 10.656
- · 2nd reverse gear = 8.861

Weight including oil: approx. 310 kg

Additional functions of Mercedes PowerShift

- · Power mode: permits short-term use of the full engine power.
- · Eco-Roll mode: assists in achieving fuel-saving operation in overrun
- · Manoeuvring mode: offers precisely controllable power selection up to 1 000 rpm using the accelerator pedal when manoeuvring.
- · Rock-free mode: simplifies driving off on difficult ground.
- · Extension of cruise control function I (speed range): offers an individually adjustable vehicle speed range from 2 to 15 km/h between propulsion and brake cut-in.
- · Extension of cruise control function II (separate vehicle speed memories): stores the settings for cruise control/proximity control and speed limiter separately, whereby the settings are preserved when switching between functions.
- · High-speed reverse gears: allow higher speeds when reversing.
- · Direct first-to-reverse shift: bypasses the intermediate step via neutral.

G330-12 and G211-12

The Mercedes PowerShift G330-12 and G211-12 gearbox is a fullyautomated drive gearbox with 12 forward gears and 4 reverse gears It consists of a 3-speed basic gearbox with front-mounted unit (splitter) and rear-mounted unit (range).

G330-12 Ratios

- $\cdot 1^{st}$ gear = 11.64
- $\cdot 2^{nd} \text{ gear} = 9.02$
- \cdot 3rd gear = 7.03
- \cdot 4th gear = 5.45
- $\cdot 5^{\text{th}} \text{ gear} = 4.40$
- $\cdot 6^{th} \text{ gear} = 3.41$
- $\cdot 7^{th} \text{ gear} = 2.65$
- $\cdot 8^{th}$ gear = 2.05
- 9th gear = 1.60
- $\cdot 10^{th} \text{ gear} = 1.24$ $\cdot 11^{\text{th}} \, \text{gear} = 1.00$
- $\cdot 12^{\text{th}} \text{ gear} = 0.78$
- · 1st reverse gear = 12.77
- $\cdot 2^{\text{nd}}$ reverse gear = 9.90
- $\cdot 3^{rd}$ reverse gear = 2.90
- \cdot 4th reverse gear = 2.25

Weight including oil: approx. 305 kg

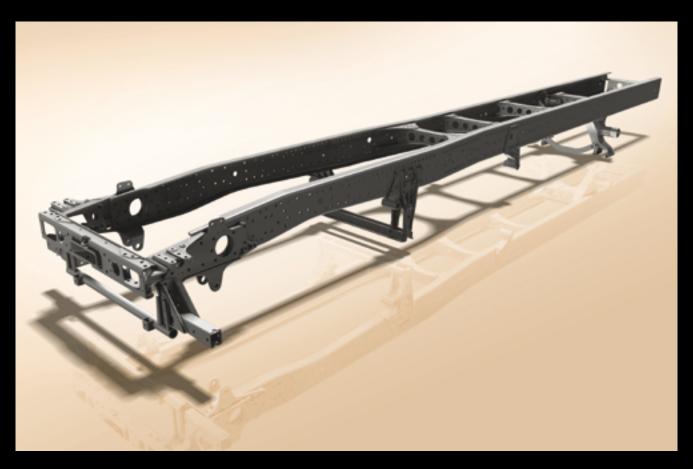
G211-12 Ratios

- $\cdot 1^{st}$ gear = 14.93
- $\cdot 2^{nd}$ gear = 11.67
- \cdot 3rd gear = 9.02
- \cdot 4th gear = 7.06
- \cdot 5th gear = 5.63
- $\cdot 6^{\text{th}} \text{ gear} = 4.40$ $\cdot 7^{\text{th}} \text{ gear} = 3.39$
- $\cdot 8^{th} \text{ gear} = 2.65$
- 9^{th} gear = 2.05 10^{th} gear = 1.60
- $\cdot 11^{\text{th}} \, \text{gear} = 1.28$
- $\cdot 12^{\text{th}} \text{ gear} = 1.00$
- \cdot 1st reverse gear = 14.93
- \cdot 2nd reverse gear = 11.67 $\cdot 3^{rd}$ reverse gear = 3,39
- \cdot 4th reverse gear = 2,65

Weight including oil: approx. 250 kg



Chassis Frame



Frame concept

The high-strength and yet elastic frame design of the Actros takes into account the requirements of day-to-day operation.

Important features

- Three frame side rail thicknesses of 7 mm, 8 mm or 9,5 mm, depending on the vehicle model.
- · Material: cold-worked, high-strength steel E 500 TM. Cross members and side rails are interconnected by means of riveted gusset plates.
- · Easy to install with the same frame profile throughout and straight upper edge with no projecting components.
- \cdot Universal 50 mm hole spacing for easy mounting of attachments.
- \cdot Good corrosion protection due to coating of all surfaces.
- \cdot The frame taper is located 1,350 mm behind the centre of the first front axle.
- \cdot Bolted and repair-friendly frame front section.

At a glance

The chassis equipment of the Actros offers time-proven and revised components which, overall, reflect a high level of compliance with practical and customer requirements:

- \cdot Exhaust systems with space-saving compact design.
- \cdot Reliable steel and aluminium fuel tanks for long-distance, distribution and construction operation.
- · Safe trailer couplings.
- · Reliable and convenient weight reduced fifth wheels.



Mercedes-Benz Actros: Truck Tractor

Model Specifications 2014:

Model Specification	15 2017.			
MODEL	1844LS/36	2644LS/33 (HYP)	2654LS/33 (HYP)	2658LS/33 (HYP)
General info				
ENGINE				
No. of cylinders	V6	V6	V8	V8
Total displacement	11 946 cm³	11 946 cm³	15 928 cm ³	15 928 cm³
Output	320 kW (435 hp) @ 1 800 r/min	320 kW (435 hp) @ 1 800 r/min	395 kW (537 hp) @ 1 800 r/min	425 kW (580 hp) @ 1 800 r/min
Torque	2 100 N.m @ 1 080 r/min	2 100 N.m @ 1 080 r/min	2 500 N.m @ 1 080 r/min	2 700 N.m @ 1 080 r/min
AIR CLEANER				
Туре	Snorkel air intake with air filter under cab	Snorkel air intake with round air filter behind cab	Snorkel air intake with round air filter behind cab	Snorkel air intake with round air filter behind cab
CLUTCH				
Туре	Single plate clutch, self-adjusting, diameter 430 mm			
TRANSMISSION				
Туре	Powershift constant mesh automated manual gearbox with integrated engine, gearbox and clutch control for short shifting times and high shift comfort	Powershift constant mesh automated manual gearbox with integrated engine, gearbox and clutch control for short shifting times and high shift comfort	Powershift constant mesh automated manual gearbox with integrated engine, gearbox and clutch control for short shifting times and high shift comfort	Powershift constant mesh automated manual gearbox with integrated engine, gearbox and clutch control for short shifting times and high shift comfort
Ratios	1 st gear: 14,93 : 1 12 th gear: 1,00 : 1	1 st gear: 11,64 : 1 12 th gear: 0,78 : 1	1st gear: 11,64 : 1 12th gear: 0,78 : 1	1 st gear: 11,64 : 1 12 th gear: 0,78 : 1
РТО	Optional	NA 131 - 2C	NA 131 - 2C	n/a
FRONT AXLE				
Load capacity	7,5 ton	7,5 ton	7,5 ton	8,0 ton
REAR AXLE				
Load capacity	13,0 ton	2 x 10,0 ton	2 x 10,0 ton	2 x 10,0 ton
Axle ratio	2,846 : 1	3,583 : 1	3,583 : 1	3,581 : 1
Steering				
Туре	Power assisted, recirculating ball			
Suspension				
Front	Parabolic springs, soft	Parabolic springs	Parabolic springs	Parabolic springs
Rear	Air suspension, with axle load measuring device			
Shock absorbers	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
BRAKES				
Service	Telligent brake system; dual circuit compressed-air with air drier; disc brakes all round	Telligent brake system; dual circuit compressed-air with air drier; disc brakes all round	Telligent brake system; dual circuit compressed-air with air drier; disc brakes all round	Telligent brake system; dual circuit compressed-air with air drier; disc brakes all round
Parking	Spring-loaded brake cylinders on rear wheels			
Auxiliary 1	Air actuated engine brake with decompression valve			
RETARDER				
Model	Voith R115 HV retarder			
Туре	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic
Braking torque	3 500 N.m	3 500 N.m	3 500 N.m	3 500 N.m
CHASSIS				
Туре	Ladder frame (side and cross members), riveted			
FUEL TANK				
Capacity	1 x approx. 650 l	1 x approx. 650 l + 1 x approx. 280 l	1 x approx. 650 l + 1 x approx. 280 l	1 x approx. 550 l + 1 x approx. 280 l
ELECTRICAL SYSTEMS/ ELECTRONICS				
System voltage	24V	24V	24V	24V
Batteries - No. x capacity	2 x 12V/160 Ah			
WHEELS				
Tyres, front	315/80 R22.5	315/80 R22.5	315/80 R22.5	385/80 R22.5
Tyres, rear	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5

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Power assisted, recirculating ball Parabolic springs Parabolic	13,0 ton	2 x 13,0 ton	2 x 13,0 ton	2 x 13,0 ton
Parabolic springs Parabolic sp	4,143 : 1	4,143 : 1	4,143 : 1	4,833 : 1
Parabolic springs Parabolic sp	Power assisted, recirculating ball	Power assisted, recirculating ball	Power assisted, recirculating ball	Power assisted, recirculating ball
Parabolic springs Parabolic sp				
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Front only Front	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs
Telligent brake system; dual circuit compressed- air with air drier; drum brakes all round Spring-loaded brake cylinders on rear wheels Air actuated engine brake with decompression valve Optional Voith R115 HV retarder - Hydrodynamic - 3 500 N.m 3 500 N.m 3 500 N.m 3 500 N.m Ladder frame (side and cross members), riveted 1 x approx. 400 I 1 x approx. 550 + 280 I 2 x 12V/160 Ah	Front and rear	Front and rear	Front and rear	Front and rear
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air with air drier, drum brakes all round Spring-loaded brake cylinders on rear wheels				
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Valve Valve valve valve Valve valve valve Optional Voith R115 HV retarder Voith R115 HV retarder Hydrodynamic Hydrodynamic Hydrodynamic - 3 500 N.m 3 500 N.m 3 500 N.m Ladder frame (side and cross members), riveted Ladder frame (side and cross members), riveted <td< td=""><td>Spring-loaded brake cylinders on rear wheels</td><td>Spring-loaded brake cylinders on rear wheels</td><td>Spring-loaded brake cylinders on rear wheels</td><td>Spring-loaded brake cylinders on rear wheels</td></td<>	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
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315/80 R22.5 315/80 R22.5 315/80 R22.5 385/65 R22.5	24V	24V	24V	24V
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315/80 R22.5 315/80 R22.5 315/80 R22.5 315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5	385/65 R22.5
	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5

Mercedes-Benz Actros: Freight Carrier

Model Specifications 2014:

MODEL	2654L/45 (HYP)	3332/45	3344/45	3350/45
General info				
Engine				
No. of cylinders	V8	V6	V6	V8
Total displacement	15 928 cm ³	11 946 cm ³	11 946 cm ³	15 928 cm ³
Output	395 kW (537 hp) @ 1 800 r/min	235 kW (320 hp) @ 1 800 r/min	320 kW (435 hp) @ 1 800 r/min	370 kW (503 hp) @ 1 800 r/min
Torque	2 500 N.m @ 1 080 r/min	1 650 N.m @ 1 080 r/min	2 100 N.m @ 1 080 r/min	2 400 N.m @ 1 080 r/min
Air cleaner				
Туре	Snorkel air intake, with round air filter behind cab	Snorkel air intake, paper element and cyclonic prefilter	Snorkel air intake, paper element and cyclonic prefilter	Snorkel air intake, paper element and cyclonic prefilter
Clutch				
Туре	Single plate clutch, self-adjusting, 430 mm diameter	Double plate clutch, reinforced, 400 mm diameter	Double plate clutch, reinforced, 400 mm diameter	Double plate clutch, reinforced, 400 mm diameter
Transmission				
Туре	Powershift constant mesh automated manual gearbox with integrated engine, gearbox and clutch control for short shifting times and high shift comfort	Powershift constant mesh automated manual gearbox with integrated engine, gearbox and clutch control for short shifting times and high shift comfort	Powershift constant mesh automated manual gearbox with integrated engine, gearbox and clutch control for short shifting times and high shift comfort	Powershift constant mesh automated manual gearbox with integrated engine, gearbox and clutch control for short shifting times and high shift comfort
Ratios	1st gear: 11,64 : 1 12th gear: 0,78 : 1	1 st gear: 11,64 : 1 12 th gear: 0,78 : 1	1 st gear: 11,64 : 1 12 th gear: 0,78 : 1	1 st gear: 11,64 : 1 12 th gear: 0,78 : 1
PTO	NA 131-2c	NA 131-2c	NA 131-2c	NA 131-2c
Front axle				
Load capacity	7,5 ton	7,5 ton	7,5 ton	7,5 ton
Rear axle				
Load capacity	2 x 10,0 ton	2 x 13 ton	2 x 13,0 ton	2 x 13,0 ton
Axle ratio	3,583 : 1	4,333 : 1	4,333 : 1	4,333 : 1
Steering				
Туре	Power assisted, recirculating ball			
Suspension				
Front	Parabolic springs	Parabolic springs	Parabolic springs	Parabolic springs
Rear	Air suspension with axle load measuring device	Air suspension with axle load measuring device	Parabolic springs	Parabolic springs
Rear parabolic springs		2 x 16,0 ton	2 x 16,0 ton	2 x 16,0 ton
Shock absorbers	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
Brakes				
Service	Telligent brake system; dual circuit compressed-air with air drier; disc brakes all round	Telligent brake system; dual circuit compressed-air with air drier; drum brakes all round	Telligent brake system; dual circuit compressed-air with air drier; drum brakes all round	Telligent 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
Auxiliary 1	Air actuated engine brake with decompression valve			
Retarder				
Model	Voith R115 HV retarder			
Туре	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic
Braking torque	3 500 N.m	3 500 N.m	3 500 N.m	3 500 N.m
Chassis				
Туре	Ladder frame (side and cross- members), riveted			
Fuel Tank				
Capacity	1 x approx. 400 l	1 x approx. 400 l	1 x approx. 400 I	1 x approx. 400 I
Electrical systems/Electronics				
System voltage	24V	24V	24V	24V
Batteries - No. x capacity	2 x 12V/160 Ah			
Wheels				
Tyres, front	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5
Tyres, rear	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5

Mercedes-Benz Actros: Tipper and All-Wheel Drive

Model Specifications 2014:

Model Specifications 2014:	3344A/45	4144K/51
General info	3344A/43	4144N/31
Engine		
No. of cylinders	V6	V6
Total displacement	11 946 cm ³	
Output	320 KW (435 hp) @ 1 800 r/min	320 kW (435 hp) @ 1 800 r/min
Torque	2 100 N.m @ 1 080 r/min	2 100 N.m @ 1 080 r/min
Air cleaner	· · · · · · · · · · · · · · · · · · ·	
Туре	Tandem air filter behind cab with cyclonic pre-filter	Tandem air filter behind cab with cyclonic pre-filter
Clutch	·	
Туре	Double plate clutch, reinforced, 400 mm diameter	Double plate clutch, reinforced, 400 mm diameter
Transmission		
Туре	Full synchromesh with integrated splitter unit and rear-mounted planetary gearset	Full synchromesh with integrated splitter unit and rear-mounted planetary gearset
Ratios	1st gear: 11,72 : 1 16 th gear: 0,69 : 1	1st gear: 11,72 : 1 16 st gear: 0,69 : 1
РТО	NA 131-2c	NA 131-2c
Front axle		
Load capacity	9,0 ton	2x 7,5 ton
Rear axle		
Load capacity	2 x 13,0 ton	2 x 16,0 ton
Axle ratio	5,333 : 1	5,333 : 1
Differential lock	Yes	Yes
Steering		
Type Suspension	Power assisted, recirculating ball	Power assisted, recirculating ball
Front	Parabolic springs (asymetric)	Parabolic springs
Rear	Parabolic springs	Parabolic springs
Shock absorbers	Front and rear	Front and rear
Stabilisers	Front and rear	Front and rear
Brakes		
Service	Telligent brake system; dual circuit compressed-air with air drier; drum brakes all round	Telligent 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
Auxiliary 1	Air actuated engine brake with decompression valve	Air actuated engine brake with decompression valve
Retarder		Optional
Model		
Туре		
Braking torque	-	-
Chassis		
Туре	Full-length mono-frame	Ladder frame (side and cross-members), riveted
Fuel tank		
No. x capacity	1 x approx. 400 l	1 x approx. 400 l
Electrical systems/Electronics		
System voltage	24V	24V
Batteries - No. x capacity Wheels	2 x 12V/165 Ah	2x 12V/165 Ah
Tyres, front	14.00 R20 with advanced rims	315/80 R22.5
Tyres, rear		
tyres, rear	14.00 R20 with advanced rims	315/80 R22.5

Vehicle masses	1844LS/36	2644LS/33 (HYP)	2644LS/33(HYP) 2654LS/33(HYP) 2658LS/33(HYP)	2658LS/33(HYP)	2036S/36	33448/33	33508/33	35508/33	2654L/45 (HYP)	3344/45	3350/45	3332/45	4144K/51	3344A/45
*Front axle tare (with cab, tools and spare wheel)	4 885	4 879	5 085	5 485	4 770	4 980	5 187	5 350	4 865	4 685	4 926	4 800	6 7 3 0	5 510
*Rear axle tare (with cab, tools and spare wheel)	1 745	3 442	3 540	3 448	2 070	3 795	3 808	3 860	3 645	4 240	4 183	4 074	3 470	4 380
*Total tare (with cab, tools and spare wheel)	9 630	8 321	8 625	8 933	6 840	8 775	8 995	9 210	8 5 1 0	8 925	9 064	8 874	10 200	068 6
Manufacturer's front axle mass (GA, front)	7 500	7 500	7 500	8 000	7 500	7 500	7 500	0006	7 500	7 500	7 500	7 500	15 000	000 6
Manufacturer's rear axle mass (GU)	11 500	20 000	20 000	20 000	13 000	26 000	26 000	26 000	20 000	26 000	26 000	26 000	26 000	18 000
Manufacturer's gross vehicle mass (GVM)	18 000	27 500	27 500	27 500	20 000	33 000	33 000	35 000	27 500	33 000	33 000	33 000	41 000	27 000
Manufacturer's gross combination mass (GCM)	44 000	65 000	92 000	92 000	44 000	75 000	75 000	128 000	92 000	92 000	92 000	92 000	92 000	92 000
Permissible front axle mass (A, front)	7 500	7 500	7 500	7 700	7 500	7 500	7 500	7 7 00	7 500	7 500	7 500	7 500	15 000	7 700
Permissible rear axle mass (AU)	0006	18 000	18 000	18 000	000 6	18 000	18 000	18 000	18 000	18 000	18 000	18 000	18 000	16 000
Permissible maximum vehicle mass (V)	16 500	25 500	25 500	25 700	16 500	25 500	25 500	25 700	25 500	25 500	25 500	25 500	33 000	23 7 00
Permissible drawing vehicle mass (D/T)	44 000	65 000	92 000	92 000	44 000	75 000	75 000	88 800	92 000	92 000	92 000	56 400	92 000	92 000
* Figures stated are estimates and exclude fuel and driver														

Vehi	Vehicle dimensions 1844LS/36	2644LS/33(HYP)	2654LS/33 (HYP)	2658LS/33 (HYP)	2036S/36	33448/33	3350S/33	35508/33	2654L/45(HYP)	3344/45	3350/45	3332/45	4144K/51	3344A/45
		707	370 7	2707	70.7	2007	3007	3007	0	0010	00	9	0	0.455
4	Overall length 5 815	6 865	6 865	6 8 6 5	6 015	6 825	6 825	6 825	9 190	9 190	9 190	9 455	9 0 2 5	9 455
В	Overall width 2 500	2 500	2 500	2 500	2 490	2 490	2 490	2 495	2 489	2 489	2 489	2 500	2 506	2 522
ပ	Vehicle height (unladen) 3 448	3 483	3 483	3 7 5 3	3 245	3 302	3 302	3 587	3 215	3 302	3 3 0 2	3 302	3319	3 3 6 4
W/B	Wheelbase 3 600	3 975	3 975	3 975	3 600	3 975	3 975	3 975	5 175	5 175	5 175	5 175	4 925	5 105
ш	1st to 2nd rear axle	1350	1 350	1 350		1 350	1 350	1 350	1 350	1 350	1350	1 350	1350	1 450
ш	Chassis length from rear of cab	4 550	4 550	4 476	3 9 1 5	4 500	4 500	4 430	7 095	7 095	7 095	7 095	6 3 6 6	6 876
CA	Back of cab to centre of rear axle 2 730	3 105	3 105	3 035	2 945	3 105	3 105	3 035	4 520	4 520	4 520	4 520	4 824	4 301
ŋ	Trailer connection frame to centre	3 030	3 030	3 030	2 655	3 030	3 030	3 030						,
-	Front overhang 1440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1 440	1510
	Rear overhang 770	770	770	770	026	720	770	720	1 900	1 900	1 900	1 900	006	1 850
¥	Track width, front	2 036	2 036	2 036	2 053	2 036	2 036	2 034	2 036	2 036	2 036	2 034	2 054	2 089
_	Track width, rear	1 804	1 804	1 804	1 802	1 804	1 804	1 804	1 804	1 804	1 804	1 804	1 804	2 039
M 1	Frame height, front	1 029	1 029	1 029	1 076	1 133	1 133	1 133	1 046	1 133	1 133	1 135	1 137	1 294
M 1	Frame height, front (laden)	952	952	952	984	1 041	1 041	1 041	964	1 041	1 041	1 041	1 049	1 205
M2	Frame height, rear	1 025	1 025	1 025	1 144	1 134	1 134	1 137	1 043	1 130	1 130	1 130	1 154	1315
M2	Frame height, rear (laden)	1 000	1 000	1 000	266	1 044	1 044	1 047	1 018	1 040	1 040	1 040	1 083	1 240
BBC	Bumper to back of cab 2 310	2 3 10	2 310	2 3 10	2 095	2 310	2 310	2 310	2 095	2 0 9 5	2 0 9 5	2 0 9 5	2 389	2 3 1 4
S	Chassis width at rear 758	260	760	760	758	760	760	763	760	763	763	763	763	763
	Turning circle 15,2	16,0	16,0	16,0	14,9	16,0	16,0	16,0	19,8	19,8	19,8	19,8	21,5	23,5

Cab														
Standard day cab		•			0	0			•	•	•	•	•	•
Long cab (low roof)	0	0	o	o	•	·			o		o	o		
Premium sleeper cab	•	0	•	•	0	0	•		0		0	0		
Megaspace cab								•						
Engine Ol	OM 501 LA OM 501 LA	OM 501 LA	OM 501 LA	OM 502 LA	OM 501 LA OM	OM 502 LA	OM 502 LA	OM 502 LA	OM 502 LA	OM 501 LA	OM 501 LA	OM 502 LA	OM 501 LA	OM 501 LA
Number of cylinders	9/	7,6	9/	٧8	9/	۸8	V8	8/	۸8	9/	9/	۸8	9/	9/
Output kW/hp	320 kW (435 hp)	265 kW (360 hp)	320 kW (435 hp)	395 kW (537 hp)	320 kW (435 hp)	370 kW (503 hp)	370 kW (503 hp)	425 kW (580 hp)	395 kW (537 hp)	235 KW (320 hp)	320 kW (435 hp)	370 kW (503 hp)	320 kW (435 hp)	320 kW (435 hp)
@ r/min	1 800	1 800	1 800	1 800	1 800	1 800	1 800	1 800	1 800	1 800	1 800	1 800	1 800	1 800
Torque N.m	2 100	1 850	2 100	2 500	2 100	2 400	2 400	2 700	2 500	1 650	2 100	2 400	2 100	2 100
@ r/min	1 080	1 080	1 080	1 080	1 080	1 080	1 080	1 080	1 080	1 080	1 080	1 080	1 080	1 080
Transmission (G211-12	G330-12	G330-12	G330-12	G330-12	G330-12	G280-16	G330-12	G330-12	G330-12	G330-12	G330-12	G240-16	G240-16
PTO - transmission	0	•	ŀ	•	•	ŀ	٠	o		•	•	٠	·	•
Rear axle														

suspension														
ront parabolic spring (ton)	7,5	7,5	7,5	7,5	7,5	7,5	0,6	7,5	7,5	0,6	0,6	0,6	2 × 7,5	0,6
Rear parabolic spring (ton)		13,0			2 x 13,0	2 x 13,0	2 x 13,0			2 × 16,0	2 × 16,0 2 × 16,0	2 × 16,0	2 × 16,0	2 × 13,0
Rear air suspension (ton)	11,5		2 × 10,0	2 × 10,0				2 × 10,0	2 × 10,0					

	400	4 500
	400	5 100
	400	4 500
	400	4 500
	400	4 500
	400	4 500
	550 + 280	3 300
	550 + 280	3 300
	550 + 280	3 300
	550 + 280	3 300
	650 + 280	3 300
	650 + 280	3 300
	550 + 280	3 600
	929	3 600
Fuel tank	Capacity approx. (ℓ)	Wheelbase mm



