



Mercedes-Benz Actros 4046 S

Model:	Mercedes-Benz Actros
Vehicle type:	4046 S
Drivetrain:	6X4
Baumuster:	93416122
Chassis variant:	Semitrailer tractor
Cab:	S-Cab
Engine power:	335 kW (456 HP)
Wheelbase:	3300 mm
Gross vehicle weight:	40000 kg
Steering type:	right
Fifth wheel position:	975 mm



This image might differ from your individual vehicle configuration and is therefore non-committal. Subject to alteration!

Paint

LZ 1:	Cab	
	MB 9147	arctic white
LZ 2:	Chassis	
	MB 7350	grey nova
LZ 3:	Wheels	
	MB 9205	truck-silver





Vehicle equipment

Axle load distribution

TS3 Weight variant 40.0 t (9.0/16.0/16.0)

Engine

MX0 Engine, V6, LA, 335 kW (456 hp), 1800 rpm
MS3 Engine version, Euro 3
M49 Tandem air cleaner system
*>>> Fuel preheating system
*>>> Insect screen in front of radiator
>>> Radiator protection, bottom
ML3 High-speed fan, with belt drive
*>>> Engine brake with constantly open throttle valve
*>>> Single-cylinder air compressor, non-regulated
M78 Engine number, stamped-in
MA9 Engine mountings, for off-road use

Clutch & transmission

G81 Clutch, reinforced
GC2 Transmission G 240-16/11.7-0.69
N55 Transmission oil cooling
GS7 Telligent gearshift system II
NH2 PTO, layshaft MB 131-2c

Axles & suspension

A91 Front axle, straight version
AL5 Front axle 9.0 t
AM6 Rear axle H7, 16.0 t, crown wheel 300
*>>> Differential lock rear axle
AR5 Axle ratio $i = 6.000$ (HL7)
QD3 Front spring, 9.0 t, asymmetric
QF8 Rear spring, 18.0 t, for axle spacing 1450 mm
*>>> Stabilizer front axle

Wheels & tyres

R28 Tapered rims, 8.50-24, for 12.00-24
R60 Spare wheel carrier, provisional
R04 Wheel nut cap
R87 Spare wheel/spare wheel rim
1.A. 204G54 90 3x 12.00 R 24 Cross country Goodyear ORD
2.A. 204G54 90 4x 12.00 R 24 Cross country Goodyear ORD
3.A. 204G54 90 4x 12.00 R 24 Cross country Goodyear ORD

Frame and components attached to frame

CL9 Steering LS 6/LS 8
*>>> Implement carrier, left
KX6 Main tank, right, 550 l, alumin., large cross-section





K40	Tank-cap lock
K45	Screen, tank filler neck
KH3	Exhaust pipe raised, behind cab
KH9	Exhaust system, repositioned further back
P44	Mudguard, for chassis transit
C63	Bumper, steel version
YA8	Deletion, front apron
QJ7	5th-wheel coupling, Jost 38-C1, 3.5-inch,H=190 mm,
C69	Support bracket for fifth-wheel coupling, extended
QM8	Assembly plate, 40 mm, for 36t 5th-wheel coupling

Brake system

*>>>	Dual-circuit full air brakes
*>>>	Automatic brake adjusting
*>>>	Roll back prevention
BB6	Drum brakes on front and rear axle
BB8	Telligent braking system with ABS and ASR
*>>>	Compressed-air drier (single-chamber system)
B51	Independent trailer brake (export)
*>>>	Trailer brakes 2-lines
BD3	Brake and electrical connections, high
*>>>	Flexible electric- and brake connections

Cab exterior

F07	S cab
F24	Cab rear wall, straight
FL3	Cab mountings, rear, reinforced
FL4	Comfort cab mountings, steel-sprung
FC7	Windows, tinted, without sun filter
*>>>	Cab rear wall without window
D25	Roof hatch/vent, roof
FE6	Cab steps, movable
*>>>	Steps and standing space behind cab
FS2	Wide-angle mirror on driver's side, heated
*>>>	Wide-angle exterior mirror on front passenger side
*>>>	Electrical adjustable, heated rearview mirrors
*>>>	Ramp mirror on co-driver's side
J70	Air horn
FW2	Deletion, immobiliser (transponder)
*>>>	Central locking system

Cab interior

SG5	Driver's standard suspension seat, Isringhausen
SF0	Fold-up seat, co-driver
*>>>	Steering column-rake and height adj. w. pneum lock
*>>>	multi-function steering wheel
FN1	Distribution cockpit
FE5	Power windows for driver's/co-driver's door





JK3	Inst. cluster, graphics-capable display, eco-meter
J10	Speedometer, km
JW0	Reversing warning device
*>>>	Outside temperature gauge
*>>>	Fuel consumption display
*>>>	Telligent Maintenance System
EH7	Interface, fleet management system, parts data
ET1	Voltage transformer, 24 V/12 V, 8 A
*>>>	Entrance step light
HF2	Pollen filter
*>>>	Air controlled heating/ventilation system
H03	Air conditioning system

Electrics / electronics

*>>>	Batteries 2x12V 165 AH
E84	Battery box, lockable
*>>>	Alternator 28 V / 80 A
EM8	PSM, body and trailer CAN, ISO 11992
EC6	Trailer socket, 15-pin
L10	Headlamps, left-side traffic
L30	Protective grilles, headlamps
*>>>	Headlights with transparent lenses (H7)
*>>>	6-part tail light cluster with reflector
L54	Rotating beacon, yellow, left+right, front
*>>>	Indicator transmitter for extra indicator lamps
MK6	Speed limiter, electronic, 85 km/h
MD9	Cruise control
XW9	Deletion, noise reduction measures
Y20	Tool kit, export
*>>>	Telescopic jack 12t
XK3	Powertrain warranty, Gen. Terms/Con., 3 yrs/250000 km
XV6	New Actros
X38	Model identification, acc. to weight variant
X42	Labels/publications, English
Z01	Country-specific version
ZZ4	Vehicle, for left-side traffic
*ZZ8	Feasibility request order, special control code

Additional equipment

*KK81	Water Separator
*KEAS	Main battery switch manual



Technical data

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Fifth wheel position:	975 mm

Major unit overview

	Code	Brief description
Engine	MX0	Engine, V6, LA, 335 kW (456 hp), 1800 rpm
Gearbox	GC2	Transmission G 240-16/11.7-0.69
Steering	CL9	Steering LS 6/LS 8
Battery		Batteries 2x12V 165 AH
Front rims	R28	Tapered rims, 8.50-24, for 12.00-24
Rear rims	R28	Tapered rims, 8.50-24, for 12.00-24
Front axle (s)	AL5	Front axle 9.0 t
Rear axle (s)	AM6	Rear axle H7, 16.0 t, crown wheel 300

Tyres

1st Axle:	204G54 90	3 x 12.00 R 24	Cross country	Goodyear
2nd Axle:	204G54 90	4 x 12.00 R 24	Cross country	Goodyear
3rd Axle:	204G54 90	4 x 12.00 R 24	Cross country	Goodyear

Dynamic tyre radius 595 mm

Engine data

max. power	335 kW	(456 HP)
max. torque	2200 Nm at	1080 rpm
Cubic capacity	11946 cm ³	
Theoretical maximum speed:	98 km/h	
	(without speed limiter)	



Performance Overview

Gearbox

Forward gear ratios							
1. Gear:	11.720	2. Gear:	9.750	3. Gear:	7.920	4. Gear:	6.580
5. Gear:	5.290	6. Gear:	4.400	7. Gear:	3.640	8. Gear:	3.020
9. Gear:	2.660	10. Gear:	2.220	11. Gear:	1.800	12. Gear:	1.500
13. Gear:	1.200	14. Gear:	1.000	15. Gear:	0.830	16. Gear:	0.690

Reverse gear ratios	
1. Gear:	10.660
2. Gear:	8.860

Performance

	Gross weight [kg]	Speed [km/h] on a given grade			
		0%	2%	3%	7%
Solo	40000	98	81	56	30
Train	40000	98	81	56	30

	Gross weight [kg]	Gradeability [%]				
		Maximum	Restart	60 km/h	80 km/h	85 km/h
Solo	40000	60.9	43.9	3.7	2.5	2.1
Train	40000	60.9	43.9	3.7	2.5	2.1

	Gross weight [kg]	Speed [km/h]		Engine RPM [/min]		
		in 1st gear	in top gear	in top gear		
		at 1000/min	at rated rpm	60 km/h	80 km/h	85 km/h
Solo	40000	3	98	1107	1476	1569
Train	40000	3	98	1107	1476	1569

Axle load distribution (kg)

	1. FA	2.FA	1.RA	2.RA	Total
Kerb weight	5316	0	2489	2489	10294
Payload / fifth wheel load	3684	0	13511	13511	29706
Gross vehicle weight	9000	0	16000	16000	40000
Gross combination weight					100000

Kerb weights with Driver (75kg), Tools (24kg), Add. equipment (0kg), Spare wheel (157kg), 100% of tankful (515kg).

Optional equipment is not considered in the weight calculation.





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Fluid capacities

Engine oil	29.00	to	35.00	1. front axle	0.00	+	0.00		
Engine coolant	40.00		40.00	2. front axle	0.00	+	0.00	+	0.00
Gearbox/PTO	10.00	+	0.00	1. rear axle	12.00	+	6.50	+	3.50
Transfer box	0.00			2. rear axle	12.00	+	6.50		
Steering	permanent								

(Figures refer to standard specification and are quoted in litres)

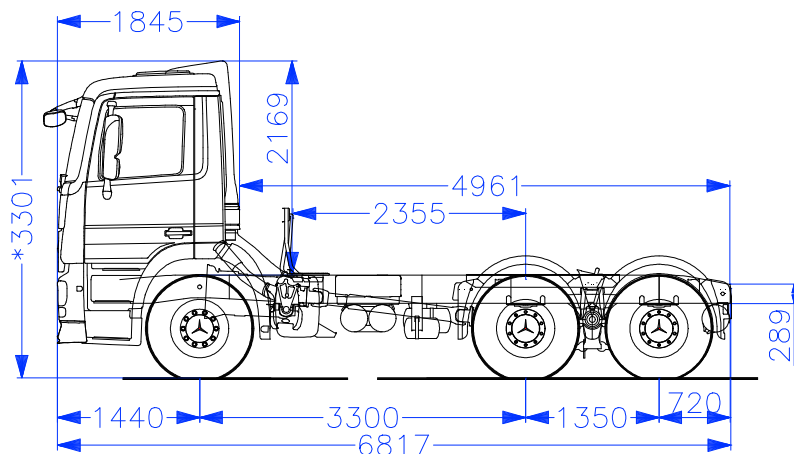
All data without engagement!



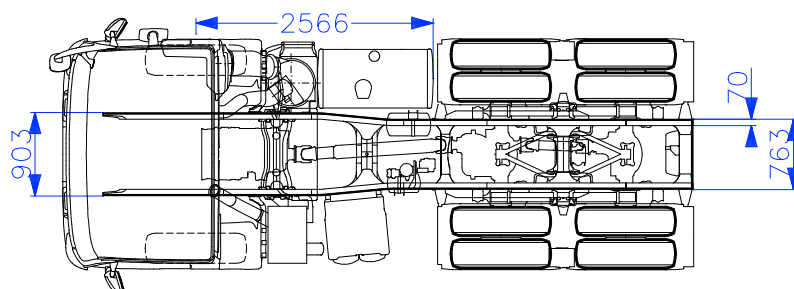
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Side view*

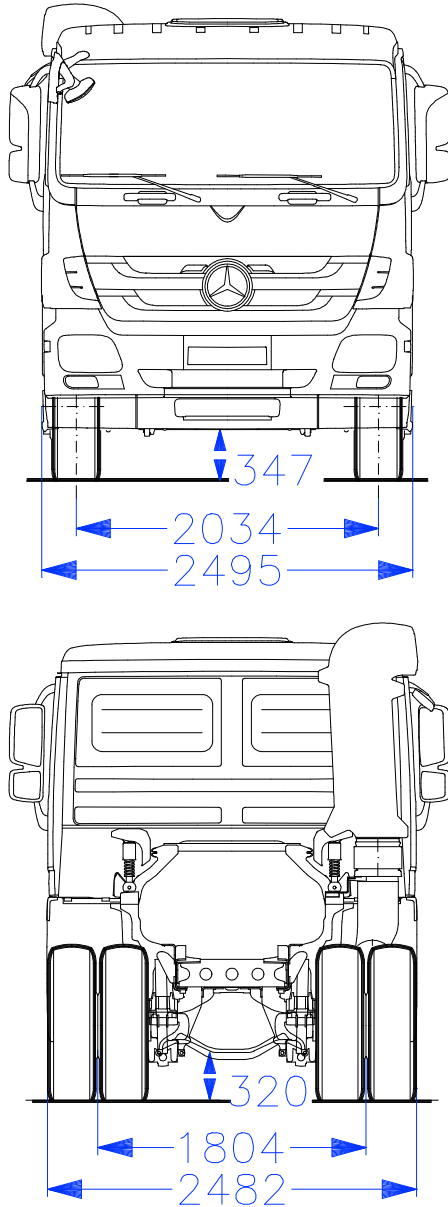


Plan view*





Front / rear view*



All data without engagement!

* All dimensions refer to the standard vehicle