

Mercedes-Benz Arocs 5 **4148 AK 8x8**

Model:	Mercedes-Benz Arocs 5
Vehicle type:	4148 AK
Drivetrain:	8x8/4
Baumuster:	96423312
Vehicle type:	All-wheel tipper chassis
Driver cabin:	S-cab
Engine power:	350 kW (476 PS)
Wheelbase:	6300 mm
Gross vehicle weight:	44000 kg
Steering type:	left

Equipmentlist

Paint

Cab:	MB 9147	arctic white
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Equipment

National Version

>>>	Basetype
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Chassis version

V1B	Arocs
V1Z	Grounder
V2J	Arocs model generation 5
C2T	Wheelbase 4850 mm extended to 6300

Axle load distribution

W8M	Weight variant 44.0 t (9.0/9.0/13.0/13.0)
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Engine

M3L	Eng. OM460, inline 6, 12.8 l, 350kW (476hp), 2300 Nm
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Z5L	OM 460
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M5W	Engine version, Euro III
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M8B	Air intake behind cab, mounted
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M7V	Cooling output for very hot regions
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M7I	Insect screen in front of cooling system
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M5U	Exhaust brake, standard system
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M6L	Air compressor, 2-cylinder
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M0A	Engine mounts, reinforced
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Clutch & transmission

G5A	Single-disc clutch
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G2F	Transmission G 330-12/11.63-0.77
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N6Z	Transmission oil cooling
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G0B	Powertrain, 44 t to 80 t
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G0R	Transmission support arms, optimised for removal
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G4D	Transfer case VG 2800-3W/1.45-1.04, permanent
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G5G	Mercedes PowerShift 3
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G0W	Drive program offroad
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N2E	PTO MB 131-2c, pump
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Z5M	PTO, single
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Z5S	Power take-off, pump, under top edge of frame
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Axles & suspension

A1Y	Front axle, straight version
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A1E	Front axle 9.0 t
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A2G	Rear axle, crown wheel 300, planetary, 13.4 t
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>>>	Differential lock, rear axle
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A6C	Axle ratio i = 4.833
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Q1W	Front spring, 2 x 9.0 t, 4-leaf
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Q3B	Rear springs, 2 x 13.0 t, for axle spacing 1450 mm
C6Q	Stabiliser, front axle
C6Y	Stabiliser, under frame, rear axle

Wheels & tyres

R3P	Tapered rims, 8.50-24, multi-piece
R8F	Spare wheel carrier, provisional
R8P	Spare wheel/spare wheel rim
R0V	Vehicle adaptation, large tyres
1.A.	L94KP1 10 2x 325/95 R 24 Highway cross country all pos. Continental HSC1
2.A.	L94KP1 10 2x 325/95 R 24 Highway cross country all pos. Continental HSC1
3.A.	L94KP1 10 4x 325/95 R 24 Highway cross country all pos. Continental HSC1
4.A.	L94KP1 10 4x 325/95 R 24 Highway cross country all pos. Continental HSC1
	L94KP1 10 1x 325/95 R 24 Highway cross country all pos. Continental HSC1

Frame and components attached to frame

>>>	Hole matrix on frame, continuous
C5J	Mounting parts, for tipper
C0B	Frame overhang 800 mm
C6H	Steering, Servotwin, 4-axle
CLW	Steering oil cooling
C6J	Power steering pump, uncontrolled
C7K	Battery carrier, batteries stacked
K0T	Main tank, left
K1S	Tank 260 l, left, 735 x 565 x 750 mm, aluminium
Z4P	Tank cross-section, wide
Z4Q	Tank cross-section, low
K7D	Exhaust system, tailpipe to right and outwards
K7R	Exhaust pipe, straight, above second axle
C8F	Wing, for chassis transit
F7B	Bumper, with steel corners
F7D	Bumper centre section w. towing eyes, coupling jaw
M7J	Guard plate, bumper

C7A	Rear underride guard (ECE)
>>>	End cross member, neutral position

Brake system

B2B	Drum brakes on front and rear axle
B1A	Electronic braking system with ABS
B1Z	ABS, disengageable
B1H	Electr. compressed air supply and control, centre
>>>	Compressed air supply connection, front
B4M	Air reservoir, steel
>>>	Flashing brake lights during emergency braking
>>>	Parking brake, acoustic warning
B2X	Parking brake, electronic

Cab exterior

F1P	S-cab
F1S	S-cab ClassicSpace, 2.30 m, tunnel 320 mm
F2C	Floor variant, tunnel 320 mm
F2G	Cab width 2.30 m
F2N	Cab, 600 mm attachment height
>>>	Cab, reinforced
F2U	ClassicSpace
F4I	Cab rear wall, with window
F3A	Cab mountings, standard, steel-sprung
F3W	Cab tilting mechanism, mechanical-hydraulic
F6C	Windscreen, tinted
F8V	Light sensor
D8A	Roof hatch/vent, roof
F7Y	Cab entrance, left/right, movable
>>>	Kerb mirror
F0Y	Mirror cover, construction vehicle
F5L	Sun visor, exterior, transparent
>>>	Air deflectors, corner panels

F5Y	A-pillar trim
F0G	Side module, N3G vehicle
F8B	2 remote control keys
F8E	Locking system, with central locking

Cab interior

D1C	Driver's suspension seat, comfort
D1N	Fold-up co-driver's seat
D2Y	Seat belt monitor
D3Q	Seat cover, velour, driver's seat
D3T	Seat cover, velour, co-driver's seat, centre seat
>>>	Multifunction steering wheel
>>>	Power windows, all-round
J1A	Instrument cluster, 10.4 cm
J1K	Tachograph, 1 day + 2 drivers, modular
>>>	On-Board Diagnosis
>>>	Travel computer
J6A	Classic Cockpit
>>>	Maintenance system
J2I	Standard loudspeaker
>>>	FleetBoard Eco Support
E3L	Socket, 24 V/15 A, co-driver footwell
>>>	Entrance lamps, in door panel
>>>	Ambient lighting
D6Z	Construction-site filter
D6F	Air conditioning system
>>>	Bottle holder
>>>	Document stowage space, A4 size
D0S	Compressed-air connection, in cab

Electrics / electronics

E1B	Batteries 2 x 12 V/170 Ah, low-maintenance
E1M	Alternator, 28 V/150 A

E3W	PSM, 2nd generation
>>>	Side marker lights
>>>	LED end-outline marker lamp
L2R	2 LED rotating beacons
S5A	Speed limiter, 90 km/h (56 mph), ECE
S5Z	Cruise control

Superstructure

P0S	Space f.control unit betw. driv.seat & door pocket
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Additional scopes

M0C	Bottom shell to prevent swirling-up of dust
M0Z	Noise regulation acc. to UN-R 51.03, phase 1
S8A	First aid kit
S8C	Hazard warning triangle
S8D	Warning lamp
S8E	Reflective safety jacket
Y4A	Telescopic jack, 12 t/19 t
Y4W	Tool kit, extended
Y4Z	Compressed-air gun, with hose
V0T	Vehicle class N3G, off-road vehicle
V8A	Chassis number FIN
X3Z	Powertrain warranty as per T and Cs 3yrs/250,000km
X2I	Model plate, export
X1J	Instrument/labels/documentation, Arabic
X4K	Literature in English, additional
Y6A	Country-specific version
Z5X	Left-hand drive
Z5Y	Vehicle, for right-side traffic

Technical data

Dimensions and weights

Type	
Execution	AK
Drivetrain	8x8/4
Wheelbase	6300 mm

Weights	
1. Front axle (empty)	4124 kg
2. Front axle (empty)	4124 kg
1. Rear axle (empty)	2180 kg
2. Rear axle (empty)	2180 kg
kerb weight (incl. SA)	12608 kg
Payload	31392 kg
Gross vehicle weight	44000 kg
Gross combination weight	80000 kg

Engine	M3L
Displacement cm ³	12816
Engine output kW / PS	350 / 476
Power/engine torque in NM at 1240 rpm	2300

Tyres	
1st Axle:	2x 325/95 R 24
2nd Axle:	2x 325/95 R 24
3rd Axle:	4x 325/95 R 24
4th Axle:	4x 325/95 R 24
Spare wheel:	1x 325/95 R 24

Body length	
With max. frame overhang	0 mm
Min. centre of gravity – last axle	./ . mm
Max. centre of gravity – last axle	./ . mm

Gearbox	
Code	G2F
Short text	Transmission G 330-12/11.63-0.77

Dimensions	
Frame height – FA – laden	1232 mm
Frame height – FA – unladen	1315 mm
Frame height – RA –laden	1238 mm
Frame height – RA – unladen	1316 mm

Kerb weights with driver, Tools, Underride protection (front/rear), spare wheel, 90% of tankful