

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

Equipment

National Version

>>> Basetype

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)

Engine

M3L Eng. OM460, inline 6, 12.8 l, 350kW (476hp), 2300 Nm

Z5L OM 460

M5W Engine version, Euro III

M8B Air intake behind cab, mounted

M7V Cooling output for very hot regions

M7I Insect screen in front of cooling system

M5U Exhaust brake, standard system

M6L Air compressor, 2-cylinder

M0A Engine mounts, reinforced

Clutch & transmission

G5A Single-disc clutch

G2F Transmission G 330-12/11.63-0.77

N6Z Transmission oil cooling

G0B Powertrain, 44 t to 80 t

G0R Transmission support arms, optimised for removal

G4D Transfer case VG 2800-3W/1.45-1.04, permanent

G5G Mercedes PowerShift 3

G0W Drive program offroad

N2E PTO MB 131-2c, pump

Z5M PTO, single

Z5S Power take-off, pump, under top edge of frame

Axles & suspension

A1Y Front axle, straight version

A1E Front axle 9.0 t

A2G Rear axle, crown wheel 300, planetary, 13.4 t

>>> Differential lock, rear axle

A6C Axle ratio $i = 4.833$

Q1W Front spring, 2 x 9.0 t, 4-leaf

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

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	
Displacement cm ³	M3L 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 Transmission G 330-12/11.63-0.77
Short text	

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