



Mercedes-Benz

Mercedes-Benz Arocs 5 4852 AK 8x8

DMEX045

Model:	Mercedes-Benz Arocs 5
Vehicle type:	4852 AK
Drivetrain:	8x8/4
Baumuster:	96423312
Vehicle type:	All-wheel tipper chassis
Driver cabin:	L-cab
Engine power:	380 kW (517 PS)
Wheelbase:	6550 mm
Gross vehicle weight:	48000 kg
Steering type:	left

Equipmentlist

Paint

Cab:	MB 3534 flame red
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Equipment

National Version

>>> Basetype

Chassis version

V1B Arocs

V1Z Grounder

V2J Arocs model generation 5

C3G Wheelbase 5450 mm

JCXL Wheelbase 6650 mm

JCXX Extension of wheelbase

Axle load distribution

W8Z	Weight variant 48.0 t (9.0/9.0/16.0/16.0)
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Engine

M3N	Eng. OM473, inline 6, 15.6 l, 380kW (517hp), 2600 Nm
Z5F	OM 473
M5W	Engine version, Euro III
M8B	Air intake behind cab, mounted
M8Y	Fuel pre-filter, chassis-mounted, additional
M7U	Cooling output for hot regions
M7I	Insect screen in front of cooling system
M5U	Exhaust brake, standard system
M6L	Air compressor, 2-cylinder
M0A	Engine mounts, reinforced
M5T	Turbocompound

Clutch & transmission

G5A	Single-disc clutch
G2D	Transmission G 280-16/11.7-0.69
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
G4Z	Oil cooler, for transfer case
G5G	Mercedes PowerShift 3
G0W	Drive program offroad
N4D	Double PTO MB 125-11b/2c, flange + MPA, low-speed
N4X	Live PTO, partly clutch-dependent, MB, 1.65
Z5N	PTO, double
Z5S	Power take-off, pump, under top edge of frame
Z5T	PTO, with 4 shafts
N9U	PTO flange with cross serrations, D=120 mm

Axles & suspension

A1Y	Front axle, straight version
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A1E	Front axle 9.0 t
A1W	Differential lock, front axle
A2H	Rear axle, crown wheel 300, planetary, 16.0 t
>>>	Differential lock, rear axle
A6A	Axle ratio i = 4.571
Q1W	Front spring, 2 x 9.0 t, 4-leaf
Q2Z	Rear springs, 2 x 18.0 t, hard, axle spac. 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.	204K24 50 2x 12.00 R 24 (S+G) Highway cross country Pirelli FG 85
2.A.	204K24 50 2x 12.00 R 24 (S+G) Highway cross country Pirelli FG 85
3.A.	204K24 50 4x 12.00 R 24 (S+G) Highway cross country Pirelli FG 85
4.A.	204K24 50 4x 12.00 R 24 (S+G) Highway cross country Pirelli FG 85
	204K24 50 1x 12.00 R 24 (S+G) Highway cross country Pirelli FG 85

Frame and components attached to frame

>>>	Hole matrix on frame, continuous
C5J	Mounting parts, for tipper
C5P	Bolted frame
C4R	Frame overhang 2800 mm
C6H	Steering, Servotwin, 4-axle and 9t FA, air
CLW	Steering oil cooling
C6J	Power steering pump, uncontrolled
C7J	Battery carrier, batteries side by side
K0T	Main tank, left
K1C	Tank, 290 l, left, 650 x 565 x 950 mm, aluminium
Z4O	Tank cross-section, narrow
Z4Q	Tank cross-section, low

K7D	Exhaust system, tailpipe to right and outwards
K7R	Exhaust pipe, straight, above second axle
C8T	Deletion, wings for chassis transit
C9U	Deletion, wings at 2nd front axle
F7B	Bumper, with steel corners
F7D	Bumper centre section w. towing eyes, coupling jaw
M7J	Guard plate, bumper
C7A	Rear underride guard (ECE)
Q8N	End crossmember, 300 mm indented

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
B4A	Condensation monitoring, for compressed air sys.
>>>	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

F1R	L-cab
F1T	L-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
F4X	Stowage compartment exterior flap, left
F4Y	Stowage compartment exterior flap, right
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
D2N	Driver's seat backrest, release mechanism
D2Y	Seat belt monitor
D3Q	Seat cover, velour, driver's seat
D3T	Seat cover, velour, co-driver's seat, centre seat
D3C	Bed, bottom
>>>	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
E6Z	Reversing buzzer
J6A	Classic Cockpit
>>>	Maintenance system
J2E	Radio with USB connector
J2I	Standard loudspeaker

E3L	Socket, 24 V/15 A, co-driver footwell
E2J	Automatic cutouts
>>>	Entrance lamps, in door panel
>>>	Ambient lighting
D6Z	Construction-site filter
D6M	Auxiliary hot water heater, cab
D6I	Residual engine heat utilisation
D6F	Air conditioning system
>>>	Bottle holder
>>>	Document stowage space, A4 size
D0S	Compressed-air connection, in cab

Electrics / electronics

E1C	Batteries 2 x 12 V/220 Ah, low-maintenance
E1N	Alternator 28 V/100 A
E3W	PSM, 2nd generation
>>>	Side marker lights
>>>	LED end-outline marker lamp
S5M	Speed limiter, 110 km/h , 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
Y4Z	Compressed-air gun, with hose
JUUN	Weigh vehicle

JV0R	No check for N3G conformity
V0T	Vehicle class N3G, off-road vehicle
V8A	Chassis number FIN
X2V	Inner/outer turn. circle not as per ECE dir.
X3Z	Powertrain warranty as per T and Cs 3yrs/250,000km
X2A	Model identification, acc. to weight variant
X2I	Model plate, export
Y6A	Country-specific version
Z5X	Left-hand drive
Z5Y	Vehicle, for right-side traffic

Internal Codes

JZYN	No CoC, national individual registration needed
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Technical data

Dimensions and weights

Type	
Execution	AK
Drivetrain	8x8/4
Wheelbase	5450 mm

Weights	
1. Front axle (empty)	4307 kg
2. Front axle (empty)	4307 kg
1. Rear axle (empty)	2563 kg
2. Rear axle (empty)	2563 kg
kerb weight (incl. SA)	13740 kg
Payload	34260 kg
Gross vehicle weight	48000 kg
Gross combination weight	80000 kg

Engine	M3N
Displacement cm ³	15569
Engine output kW / PS	380 / 517
Power/engine torque in NM at 1100 rpm	2600

Tyres	
1st Axle:	2x 12.00 R 24
2nd Axle:	2x 12.00 R 24
3rd Axle:	4x 12.00 R 24
4th Axle:	4x 12.00 R 24
Spare wheel:	1x 12.00 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	G2D
Short text	Transmission G 280-16/11.7-0.69

Dimensions	
Frame height – FA – laden	1232 mm
Frame height – FA – unladen	1315 mm
Frame height – RA – laden	1238 mm
Frame height – RA – unladen	1301 mm

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

Technical Data

Technical illustration

