



Mercedes-Benz

Mercedes-Benz Arocs 5 1848 AK 4x4

BMEX006a1

Model:	Mercedes-Benz Arocs 5
Vehicle type:	1848 AK
Drivetrain:	4x4
Baumuster:	96420712
Vehicle type:	All-wheel tipper chassis
Driver cabin:	M-cab
Engine power:	350 kW (476 PS)
Wheelbase:	3900 mm
Gross vehicle weight:	18000 kg
Steering type:	left

Equipmentlist

Paint

Cab:	MB 3534 flame red
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Equipment

National Version

>>>	Basetype
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Chassis version

V1B	Arocs
V1W	Standard
V2J	Arocs model generation 5
C1Z	Wheelbase 3900 mm

Axle load distribution

W9S	Weight variant 18.0 t (9.0/9.0)
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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
M8L	Cyclone filter for coarse dust
M8Y	Fuel pre-filter, chassis-mounted, additional
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
G2D	Transmission G 280-16/11.7-0.69
N6Z	Transmission oil cooling
G0R	Transmission support arms, optimised for removal
G4E	Transfer case VG 3000-3W, 1.04, engageable
G4Z	Oil cooler, for transfer case
G5G	Mercedes PowerShift 3
G0W	Drive program offroad
N4X	Live PTO, partly clutch-dependent, MB, 1.65
N6U	Deletion, tipper drive
N9U	PTO flange with cross serrations, D=120 mm

Axles & suspension

A1Y	Front axle, straight version
A1E	Front axle 9.0 t
A1W	Differential lock, front axle
A2G	Rear axle, crown wheel 300, planetary, 13.4 t
A5Y	Axle ratio $i = 4.333$
Q1Y	Front spring, 9.0 t, 4-leaf
Q2S	Rear spring, 11.5 t, hard

C6Q	Stabiliser, front axle
C6Y	Stabiliser, under frame, rear axle

Wheels & tyres

R4Z	Wide-base rims, 10.00W-20, tube, single tyres
R8F	Spare wheel carrier, provisional
R8P	Spare wheel/spare wheel rim
1.A.	R02JV1 10 2x 365/85 R 20 Cross country all pos. Continental HCS (MIT SCHLAUCH)
2.A.	R02JV1 10 2x 365/85 R 20 Cross country all pos. Continental HCS (MIT SCHLAUCH)
	R02JV1 10 1x 365/85 R 20 Cross country all pos. Continental HCS (MIT SCHLAUCH)

Frame and components attached to frame

C5J	Mounting parts, for tipper
C0J	Frame overhang 1200 mm
C6C	Steering, single-circuit
CLW	Steering oil cooling
C6J	Power steering pump, uncontrolled
C7J	Battery carrier, batteries side by side
K0T	Main tank, left
K5A	Tank, 290 l, left, 650 x 565 x 950 mm, steel
K5M	Tanks, lockable
Z4O	Tank cross-section, narrow
Z4Q	Tank cross-section, low
K7D	Exhaust system, tailpipe to right and outwards
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)
Q8E	Tow-away coupling, rear, Rockinger
Q8M	End crossmember lower, reinforced

Brake system

B2B	Drum brakes on front and rear axle
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B1B	Electronic braking system with ABS and ASR
B1Z	ABS, disengageable
B1H	Electr. compressed air supply and control, centre
B4A	Condensation monitoring, for compressed air sys.
B4M	Air reservoir, steel
B5B	Trailer brake, 2-line
B2X	Parking brake, electronic

Cab exterior

F0E	M-cab, low roof, 2.30 m, tunnel 320 mm
F1Q	M-cab
F2C	Floor variant, tunnel 320 mm
F2G	Cab width 2.30 m
F2N	Cab, 600 mm attachment height
F2Y	ClassicSpace Low Roof
F4H	Cab rear wall, without window
F3A	Cab mountings, standard, steel-sprung
F3W	Cab tilting mechanism, mechanical-hydraulic
F6C	Windscreen, tinted
D8A	Roof hatch/vent, roof
F4X	Stowage compartment exterior flap, left
F7Y	Cab entrance, left/right, movable
F0Y	Mirror cover, construction vehicle
F6I	Front mirror, heated
F5L	Sun visor, exterior, transparent
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
J1A	Instrument cluster, 10.4 cm
J1K	Tachograph, 1 day + 2 drivers, modular
E6Z	Reversing buzzer
J6A	Classic Cockpit
J2I	Standard loudspeaker
E3L	Socket, 24 V/15 A, co-driver footwell
E2J	Automatic cutouts
D6Z	Construction-site filter
D6F	Air conditioning system
D7G	Stowage compartment lid, driver and co-driver side
D0S	Compressed-air connection, in cab

Electrics / electronics

E1C	Batteries 2 x 12 V/220 Ah, low-maintenance
E1M	Alternator, 28 V/150 A
E3W	PSM, 2nd generation
E6A	Trailer socket, 24 V, 15-pin
L4Z	Protective grille, metal, for headlamps
L1H	Foglamps, halogen
JSGL	Speed limiter, 112 km/h
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
Y4Y	Tyre inflating hose
Y4Z	Compressed-air gun, with hose
V0T	Vehicle class N3G, off-road vehicle
V5W	Fire-fighting vehicle
V8A	Chassis number FIN
X3Z	Powertrain warranty as per T and Cs 3yrs/250,000km
X2A	Model identification, acc. to weight variant
X2I	Model plate, export
X1A	Instrument/labels/documentation, English
X4K	Literature in English, additional
Y6A	Country-specific version
Z5X	Left-hand drive
Z5Y	Vehicle, for right-side traffic

Other facts

* I7X	Tyres 365/85 R 20 VA
* I7Y	Tyres 365/85 R 20 HA
* IZFE	Airfield vehicle

Technical data

Dimensions and weights

Type	
Execution	AK
Drivetrain	4x4
Wheelbase	3900 mm

Weights	
1. Front axle (empty)	5722 kg
2. Front axle (empty)	- kg
1. Rear axle (empty)	2483 kg
2. Rear axle (empty)	- kg
kerb weight (incl. SA)	8205 kg
Payload	9795 kg
Gross vehicle weight	18000 kg
Gross combination weight	40000 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 365/85 R 20
2nd Axle:	2x 365/85 R 20
Spare wheel:	1x 365/85 R 20

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	1188 mm
Frame height – FA – unladen	1284 mm
Frame height – RA – laden	1189 mm
Frame height – RA – unladen	1321 mm

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

Technical Data

Technical illustration

