



Mercedes-Benz

Mercedes-Benz Arocs 5

1842 4x2

BMEX120a

Model: Mercedes-Benz Arocs 5

Vehicle type: 1842

Drivetrain: 4x2

Baumuster: 96400012

Vehicle type: Chassis

Driver cabin: S-cab

Engine power: 310 kW (421 PS)

Wheelbase: 4800 mm

Gross vehicle weight: 18000 kg

Steering type: left

Equipmentlist

Paint

Cab: MB 3534 flame red

Equipment

National Version

>>> Basetype

Chassis version

V1B Arocs

V1W Standard

V2J Arocs model generation 5

C2R Wheelbase 4800 mm

Axle load distribution

W9Z Weight variant 18.0 t (7.5/11.5)

Engine

M3A	Eng. OM471, inline 6, 12.8 l, 310kW (421hp), 2100 Nm
M5B	2. Engine generation OM471
Z5E	OM 471
M5C	Engine version Euro VI, D
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
M6M	Air compressor, 2-stage, for optimised consumption
M0A	Engine mounts, reinforced

Clutch & transmission

G5B	Double-disc clutch
G2D	Transmission G 280-16/11.7-0.69
N6Z	Transmission oil cooling
G0R	Transmission support arms, optimised for removal
G5G	Mercedes PowerShift 3
G0K	Drive program, economy/power
N1M	PTO MB, 124-10b, flange, low-speed
N4Y	Live power take-off, clutch-dependent, MB 1.2
Z5M	PTO, single
Z5U	Power take-off, propshaft, under top edge of frame
N6L	Transmission lock, live power take-off
N9U	PTO flange with cross serrations, D=120 mm

Axles & suspension

A1Y	Front axle, straight version
A1C	Front axle 7.5 t
A2G	Rear axle, crown wheel 300, planetary, 13.4 t
>>>	Differential lock, rear axle
A5W	Axle ratio $i = 4.143$
Q1S	Front spring, 7.5 t, 2-leaf
Q2R	Rear spring, 11.5 t

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

Wheels & tyres

R1Q	15-degree tapered rims, 9.00 x 22.5
R8B	Spare wheel jack, under frame end
R8P	Spare wheel/spare wheel rim
1.A.	F38LKA 50 2x 315/70 R 22,5 Regio steer Pirelli FR:01 Triathlon
2.A.	F38LLA 50 4x 315/70 R 22,5 Regio drive Pirelli TR:01 Triathlon
	F38LKA 50 1x 315/70 R 22,5 Regio steer Pirelli FR:01 Triathlon

Frame and components attached to frame

>>>	Hole matrix on frame, continuous
C5I	Mounting parts, for platform
C4I	Frame overhang 2400 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
K3V	AdBlue tank, 60 l, left
K5A	Tank, 290 l, left, 650 x 565 x 950 mm, steel
Z4O	Tank cross-section, narrow
Z4Q	Tank cross-section, low
K7D	Exhaust system, tailpipe to right and outwards
U2G	Exhaust box
C8F	Wing, for chassis transit
C7F	Front underride guard (ECE), aluminium
F7B	Bumper, with steel corners
F7D	Bumper centre section w. towing eyes, coupling jaw
M9V	Deletion, guard plate, bumper
C7A	Rear underride guard (ECE)
>>>	End cross member, neutral position

Brake system

B2A	Disc brakes on front and rear axle
B1B	Electronic braking system with ABS and ASR
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

F1A	S-cab ClassicSpace, 2.30 m, tunnel 170 mm
F1P	S-cab
F2B	Floor variant, tunnel 170 mm
F2G	Cab width 2.30 m
F2N	Cab, 600 mm attachment height
>>>	Cab, reinforced
F2U	ClassicSpace
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
F7X	Cab entrance, left/right, rigid
>>>	Kerb mirror
F0Y	Mirror cover, construction vehicle
F6I	Front mirror, heated
F5L	Sun visor, exterior, transparent
>>>	Air deflectors, corner panels
F5Y	A-pillar trim
F0F	Side module, N3 vehicle
F8B	2 remote control keys
F8E	Locking system, with central locking

Cab interior

D1B	Driver's suspension seat, standard
D1N	Fold-up co-driver's seat
D3X	Seat cover, flat-weave fabric
>>>	Multifunction steering wheel
>>>	Power windows, all-round
J1A	Instrument cluster, 10.4 cm
J1V	Tachograph, digital, China
>>>	On-Board Diagnosis
>>>	Travel computer
J6A	Classic Cockpit
>>>	Maintenance system
J2I	Standard loudspeaker
E3L	Socket, 24 V/15 A, co-driver footwell
>>>	Entrance lamps, in door panel
>>>	Ambient lighting
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
E1M	Alternator, 28 V/150 A
E3W	PSM, 2nd generation
L1H	Fog lamps, halogen
>>>	Side marker lights
>>>	LED end-outline marker lamp
S5G	Speed limiter, 120 km/h
S5Z	Cruise control

Additional scopes

M0C	Bottom shell to prevent swirling-up of dust
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M0Q	Noise regulation acc. to UN-R 51.03, phase 2
S8A	First aid kit
S8C	Hazard warning triangle
S8D	Warning lamp
S8E	Reflective safety jacket
Y4A	Telescopic jack, 12 t/19 t
Y4Y	Tyre inflating hose
Y4Z	Compressed-air gun, with hose
>>>	Omission Special vehicles acc. to CCC label
V0S	Vehicle class N3
V0X	Ground clearance under front axle, minimum 250 mm
V0Y	Ground clearance under rear axle, minimum 250 mm
V0Z	Ground clearance between axles, minimum 300 mm
V8N	VIN encoded vehicle data, Mercedes-Benz
X3W	Powertrain warranty as per T and Cs 3yrs/450,000km
V8S	Model year 2
X2A	Model identification, acc. to weight variant
X2D	Model plate, China
Y6A	Country-specific version
Z5X	Left-hand drive
Z5Y	Vehicle, for right-side traffic

Technical data

Dimensions and weights

Type	
Execution	
Drivetrain	4x2
Wheelbase	4800 mm

Weights	
1. Front axle (empty)	5228 kg
2. Front axle (empty)	- kg
1. Rear axle (empty)	2420 kg
2. Rear axle (empty)	- kg
kerb weight (incl. SA)	7648 kg
Payload	10352 kg
Gross vehicle weight	18000 kg
Gross combination weight	40000 kg

Engine	M3A
Displacement cm ³	12809
Engine output kW / PS	310 / 421
Power/engine torque in NM at 1100 rpm	2100

Tyres	
1st Axle:	2x 315/70 R 22,5
2nd Axle:	4x 315/70 R 22,5
Spare wheel:	1x 315/70 R 22,5

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	984 mm
Frame height – FA – unladen	1057 mm
Frame height – RA – laden	983 mm
Frame height – RA – unladen	1119 mm

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

Technical Data

Technical illustration

