

Mercedes-Benz Arocs 5 4142 B 8x4

Model: Mercedes-Benz Arocs 5

Vehicle type: 4142 B

Drivetrain: 8x4/4

Baumuster: 96433112

Vehicle type: Truck mixer chassis

Driver cabin: S-cab

Engine power: 310 kW (421 PS)

Wheelbase: 4250 mm

Gross vehicle weight: 41000 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

C2K Wheelbase 4250 mm

Axle load distribution

W7X Weight variant 41.0 t (7.5/7.5/13.0/13.0)

M3J Eng. OM460, inline 6, 12.8 l, 310kW (421hp), 2100 Nm

Z5L OM 460

M5W Engine version, Euro III

M8B Air intake behind cab, mounted

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

N7P Engine PTO, rear, b, flange 100 mm, 600 Nm

N6E Coupling, flexible, for engine PTO (loose)

M0A Engine mounts, reinforced

Clutch & transmission

G5A Single-disc clutch

G1J Transmission G 260-16/11.7-0.69

N6Z Transmission oil cooling

G0R Transmission support arms, optimised for removal

G5H Gearshift, manual

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

A5Y Axle ratio $i = 4.333$

Q1V Front spring, 2 x 7.5 t, 3-leaf

Q3D Rear spring, 2 x 16.0 t

C6Q Stabiliser, front axle

C6Y Stabiliser, under frame, rear axle

Wheels & tyres

R1Q 15-degree tapered rims, 9.00 x 22.5

1.A.	308K17 75	2x	13 R 22,5	Highway	Bridgestone	R 187
2.A.	308K17 75	2x	13 R 22,5	Highway	Bridgestone	R 187
3.A.	308G29 75	4x	13 R 22,5	(S+G) Highway cross country	Bridgestone	M840 EVO
4.A.	308G29 75	4x	13 R 22,5	(S+G) Highway cross country	Bridgestone	M840 EVO

Frame and components attached to frame

>>>	Hole matrix on frame, continuous
C5K	Mounting parts, for concrete mixer
C0F	Frame overhang 1000 mm
C6C	Steering, single-circuit
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
K7T	Exhaust pipe, above wing, 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)
Q8D	Tow-away coupling, rear, Ringfeder
>>>	End cross member, neutral position

Brake system

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

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

F4I Cab rear wall, with window

F3A Cab mountings, standard, steel-sprung

F3W Cab tilting mechanism, mechanical-hydraulic

F6C Windscreen, tinted

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

F8E Locking system, with central locking

F9Y Vehicle key, without transponder

Cab interior

D1B Driver's suspension seat, standard

D1N Fold-up co-driver's seat

D2Y Seat belt monitor

D3X Seat cover, flat-weave fabric

D0E Steering wheel, diameter 500 mm

>>> Multifunction steering wheel

>>>	Power windows, all-round
J1A	Instrument cluster, 10.4 cm
J1Z	Speedometer, deletion, tachograph
>>>	On-Board Diagnosis
>>>	Travel computer
J6A	Classic Cockpit
>>>	Maintenance system
J5S	Radio, with USB connection and Bluetooth
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
L4Z	Protective grille, metal, for headlamps
>>>	Side marker lights
>>>	LED end-outline marker lamp
S5A	Speed limiter, 90 km/h (56 mph), ECE
S5Z	Cruise control

Additional scopes

M0C	Bottom shell to prevent swirling-up of dust
M0Z	Noise regulation acc. to UN-R 51.03, phase 1
S8C	Hazard warning triangle
S8D	Warning lamp

Y4A	Telescopic jack, 12 t/19 t
Y4Y	Tyre inflating hose
Y4Z	Compressed-air gun, with hose
Y4J	2 wheel chocks
D0L	Smoker package
V0T	Vehicle class N3G, off-road vehicle
V0U	Overhang angle, front, minimum 25 degrees
V0V	Overhang angle, rear, minimum 25 degrees
V0W	Breakover angle, minimum 25 degrees
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
X3Z	Powertrain warranty as per T and Cs 3yrs/250,000km
V8R	Model year 1
X2A	Model identification, acc. to weight variant
X2C	Model plate, Gulf States
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	B
Drivetrain	8x4/4
Wheelbase	4250 mm

Weights	
1. Front axle (empty)	3560 kg
2. Front axle (empty)	2983 kg
1. Rear axle (empty)	1819 kg
2. Rear axle (empty)	1819 kg
kerb weight (incl. SA)	10181 kg
Payload	30819 kg
Gross vehicle weight	41000 kg

Gross combination weight	Trailer operation not permitted for this vehicle. kg
--------------------------	--

Engine	
Engine	M3J
Displacement cm ³	12816
Engine output kW / PS	310 / 422
Power/engine torque in NM at 1240 rpm	2100

Tyres	
1st Axle:	2x 13 R 22,5
2nd Axle:	2x 13 R 22,5
3rd Axle:	4x 13 R 22,5
4th Axle:	4x 13 R 22,5
Spare wheel:	1x 13 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	G1J
Short text	Transmission G 260-16/11.7-0.69

Dimensions	
Frame height – FA – laden	1082 mm
Frame height – FA – unladen	1173 mm
Frame height – RA – laden	1088 mm

Frame height – RA – unladen	1148 mm
-----------------------------	---------

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

Technical Data

Technical illustration

