

Arocs

4140 8x4/4 BM 96403112

Rigid chassis

General information	
Vehicle identification number (VIN)	
Conversions/additional equipment, e.g. CTT code	
Model variant + Code	964031 W8Z F1C M3I M5W C3S V1Z V1B V2J
Production date	30.01.2023
Cab version	M-cab CompactSpace, 2.30 m, tunnel 170 mm
Wheelbase	Wheelbase 6350 mm
Rear overhang	Frame overhang 1900 mm

Dimensions [mm]		
	Laden	Unladen
Frame height at front	1.056	1.150
Frame height at rear	1.067	1.127
Total height incl. air intake	3.278	
Ground clearance at front	313	
Ground clearance at rear	188	
Turning circle [m]	26,90	
Maximum body length with recommended clearance with even load**	9.510	
Maximum body length at recommended clearance with max. vehicle overhang	10.570	
Recommended clearance	50	

** Theoretical value, not taking account of statutory requirements and other technical specifications.

Engine	
Engine: M3I	Eng. OM460, inline 6, 12.8 l, 290kW (394hp), 1900 Nm
Emissions standard: M5W	Engine version, Euro III

Power transmission	
Clutch	Double-disc clutch
Transmission	Transmission G 280-16/11.7-0.69
Final drive ratio	Axle ratio i = 5.333



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Chassis				
Front springs		Front spring, 2 x 9.0 t, 4-leaf		
Rear springs		Leaf suspension, rear axle		
	Axles	Wheels	Tyres	Wheel rims
Front axle	Front axle 9.0 t	2	385/65 R 22,5	15-degree tapered rims, 11.75 x 22.5, front axle
Front axle 2	Front axle 9.0 t	2	385/65 R 22,5	15-degree tapered rims, 11.75 x 22.5, front axle
Rear axle	Rear axle, crown wheel 300, planetary, 16.0 t	4	315/80 R 22,5	15-degree tapered rims, 9.00 x 22.5, reinforced
Rear axle 2	Rear axle, crown wheel 300, planetary, 16.0 t	4	315/80 R 22,5	15-degree tapered rims, 9.00 x 22.5, reinforced

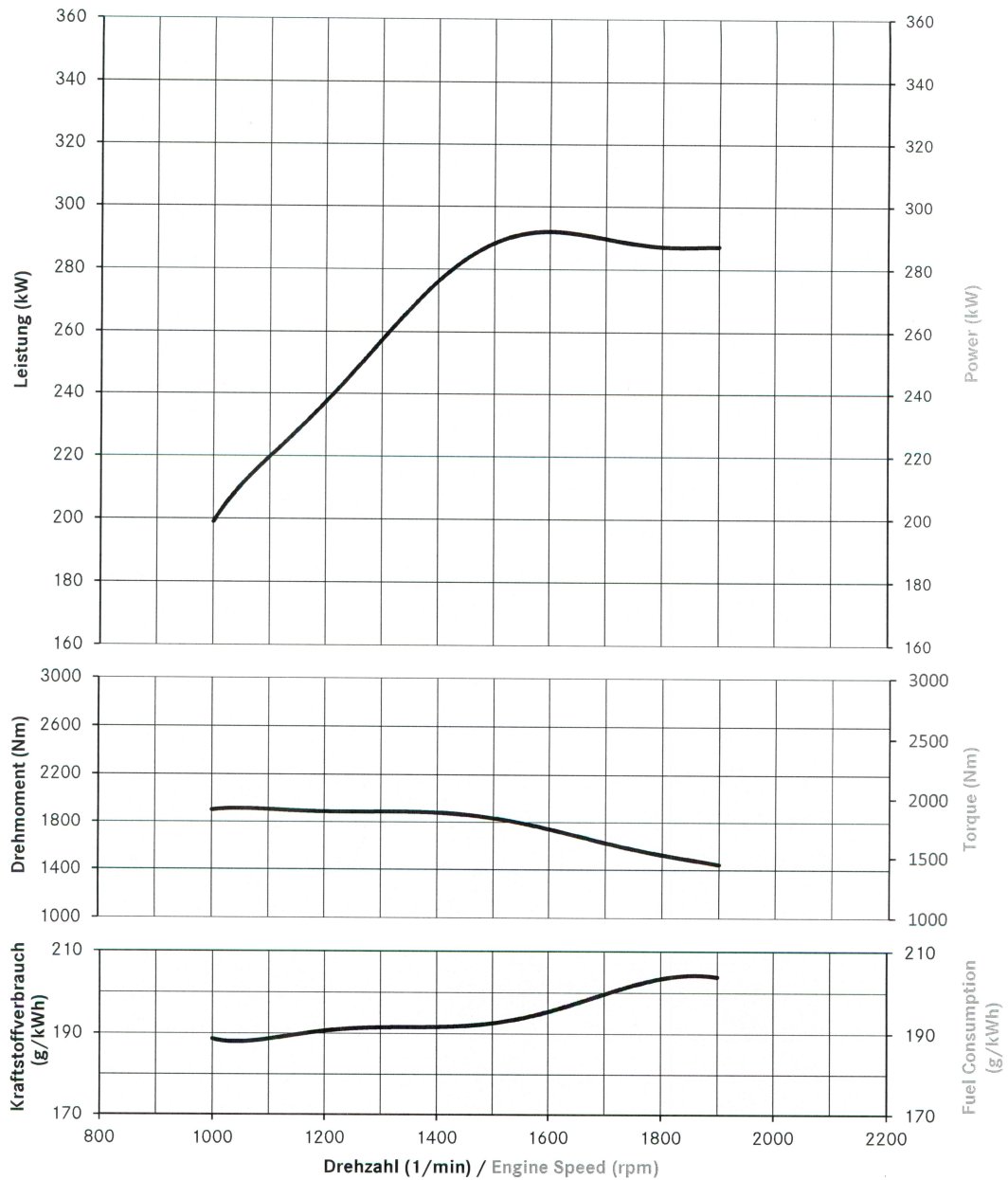
Equipment	
Brakes	Disc brakes on fr. axle, drum brakes on rear axle
Braking system	Electronic braking system with ABS and ASR
Engine brake	Exhaust brake, standard system
Battery for on-board electrical system	Batteries 2 x 12 V / 170 Ah, low-maintenance
Battery carrier	Battery carrier, batteries side by side
Main fuel tank	Tank, 390 l, left, 650 x 565 x 1250 mm, steel
Steering	Steering, Servotwin, 4-axle and 9t FA, air
Frame	High-strength with continuous U-section side members with constant web height, hole pattern 50x50 mm, frame track at rear 744 mm

Weights [kg]					
	1st axle	2nd axle	3rd axle	4th axle	Total
Technically permissible weights	9.000	9.000	16.000	16.000	48.000
Kerb weight**	3.294	3.630	2.067	2.067	11.058
Payload/fifth-wheel load	5.706	5.370	13.933	13.933	36.942
Gross combination weight	-	-	-	-	44.000
Body and payload centre of gravity ahead of rearmost axle [from – to]	2.185 – 2.525				

** Ready-to-drive condition as specified by European Directive 97/27/EC



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Leistung, Drehmoment

OM 460, 290 kW bei 1600/min, Euro III
1900Nm bei 1100/min

Stationäre Volllastkurven

Power, Torque

OM 460, 290 kW at 1600/min, Euro III
1900Nm at 1100/min

Stationary full load curves



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Alphabetic code	
A1E	Front axle 9.0 t
A1Y	Front axle, straight version
A2H	Rear axle, crown wheel 300, planetary, 16.0 t
A6J	Axle ratio $i = 5.333$
B1B	Electronic braking system with ABS and ASR
B1F	Heating, electronic air-processing unit
B1H	Electr. compressed air supply and control, centre
B1Z	ABS, disengageable
B2C	Disc brakes on fr. axle, drum brakes on rear axle
B2D	Cover plate for brake discs
B2X	Parking brake, electronic
B4A	Condensation monitoring, for compressed air sys.
B4M	Air reservoir, steel
C0Y	Frame overhang 1900 mm
C3S	Wheelbase 6350 mm
C5P	Bolted frame
C6H	Steering, Servotwin, 4-axle and 9t FA, air
C6J	Power steering pump, uncontrolled
C6K	Standard steering column
C6Q	Stabiliser, front axle
C6V	Stabiliser, 1st rear axle
C6W	Stabiliser, reinforced, 2nd rear axle
C7I	Battery carrier cover, lockable
C7J	Battery carrier, batteries side by side
C8F	Wing, for chassis transit
C9S	Deletion mounting parts, on frame
C9Y	Deletion, rear underride guard (ECE)
CLW	Steering oil cooling
D0S	Compressed-air connection, in cab
D1B	Driver's suspension seat, standard
D1N	Fold-up co-driver's seat
D2N	Driver's seat backrest, release mechanism
D2Y	Seat belt monitor
D3E	Stowage facility, padded
D3X	Seat cover, flat-weave fabric
D6F	Air conditioning system
D6Z	Construction-site filter
D7G	Stowage compartment lid, driver and co-driver side
D8A	Roof hatch/vent, roof
E0D	Battery sensor, Hella
E0F	Batteries from company Exide
E1B	Batteries 2 x 12 V/170 Ah, low-maintenance
E1M	Alternator, 28 V/150 A
E2J	Automatic cutouts
E3L	Socket, 24 V/15 A, co-driver footwell
E3W	PSM, 2nd generation
E6Z	Reversing buzzer
F0G	Side module, N3G vehicle





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F0Y	Mirror cover, construction vehicle
F1C	M-cab CompactSpace, 2.30 m, tunnel 170 mm
F1Q	M-cab
F2B	Floor variant, tunnel 170 mm
F2G	Cab width 2.30 m
F2N	Cab, 600 mm attachment height
F2T	CompactSpace
F3A	Cab mountings, standard, steel-sprung
F3W	Cab tilting mechanism, mechanical-hydraulic
F4H	Cab rear wall, without window
F4X	Stowage compartment exterior flap, left
F5Y	A-pillar trim
F6C	Windscreen, tinted
F6I	Front mirror, heated
F6Q	Air horn
F7B	Bumper, with steel corners
F7D	Bumper centre section w. towing eyes, coupling jaw
F7Y	Cab entrance, left/right, movable
F8B	2 remote control keys
F8E	Locking system, with central locking
F8V	Light sensor
G0R	Transmission support arms, optimised for removal
G0W	Drive program offroad
G2D	Transmission G 280-16/11.7-0.69
G5B	Double-disc clutch
G5G	Mercedes PowerShift 3
J1H	Instrument cluster, 12.7 cm
J1Z	Speedometer, deletion, tachograph
J2E	Radio with USB connector
J2I	Standard loudspeaker
J6A	Classic Cockpit
K0T	Main tank, left
K5B	Tank, 390 l, left, 650 x 565 x 1250 mm, steel
K5M	Tanks, lockable
K5Q	Fuel screen, tank filler neck
K5R	Protective plate for tank
K7D	Exhaust system, tailpipe to right and outwards
K7R	Exhaust pipe, straight, above second axle
L1C	LED daytime running lamps
L1W	LED turn signals in light signature
L4Z	Protective grille, metal, for headlamps
M0A	Engine mounts, reinforced
M0C	Bottom shell to prevent swirling-up of dust
M0Z	Noise regulation acc. to UN-R 51.03, phase 1
M3I	Eng. OM460, inline 6, 12.8 l, 290kW (394hp), 1900 Nm
M5U	Exhaust brake, standard system
M5W	Engine version, Euro III
M6L	Air compressor, 2-cylinder
M7I	Insect screen in front of cooling system





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M7J	Guard plate, bumper
M7V	Cooling output for very hot regions
M8B	Air intake behind cab, mounted
M8Y	Fuel pre-filter, chassis-mounted, additional
N6P	Prov.for PTO, via external transfer case
N6Z	Transmission oil cooling
O0A	Coolant service interval, long for non-SWR
O0P	Additional price adjustment
O1A	Fuel pre-filter, 1st position
O1N	Detachable parts for offline cab
O1T	Interior colour greige/anthracite
O1Z	Steering, indirect
O2X	Optimised cab separation point, supply
Q1W	Front spring, 2 x 9.0 t, 4-leaf
Q3D	Rear spring, 2 x 16.0 t
R0Z	Wheel-nut cap
R1I	15-degree tapered rims, 9.00 x 22.5, reinforced
R1T	15-degree tapered rims, 11.75 x 22.5, front axle
R8F	Spare wheel carrier, provisional
R8P	Spare wheel/spare wheel rim
S5A	Speed limiter, 90 km/h (56 mph), ECE
S5Z	Cruise control
S8A	First aid kit
S8B	Fire extinguisher, 2 kg
S8C	Hazard warning triangle
S8E	Reflective safety jacket
S8F	Hazard warning triangle, additional
U2I	Control code EBS, 4th generation
U3D	Control code, CAN star points, classic
U3W	ICUC hardware Gen6.
V0T	Vehicle class N3G, off-road vehicle
V0U	Overhang angle, front, 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
V1B	Arocs
V1Z	Grounder
V2J	Arocs model generation 5
V8N	VIN encoded vehicle data, Mercedes-Benz
V8T	Model year 3
V9G	Technical changes model year October
W8Z	Weight variant 48.0 t (9.0/9.0/16.0/16.0)
X1J	Instrument/labels/documentation, Arabic
X2C	Model plate, Gulf States
X2T	Digital Service Booklet





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X2V	Inner/outer turn. circle not as per ECE dir.
X3Z	Powertrain warranty as per T and Cs 3yrs/250,000km
X4K	Literature in English, additional
Y1B	Control of colours, high-runner colours
Y1H	Allocation OPP top coat line 3
Y4D	Telescopic jack, 16 t/25 t
Y4J	2 wheel chocks
Y4P	Tyre pressure gauge, digital
Y4Y	Tyre inflating hose
Y4Z	Compressed-air gun, with hose
Y6A	Country-specific version
Z1H	EBS, Wabco
Z1X	EAPU equipment, item 1
Z3F	Switch module 7
Z3H	Side marker lights, 1st pair
Z3J	Side marker lights, 3rd pair
Z3K	Side marker lights, 4th pair
Z3Z	Export code
Z4O	Tank cross-section, narrow
Z4Q	Tank cross-section, low
Z5G	Fan position, on crankshaft
Z5I	Fan ratio, 1:1.0
Z5L	OM 460
Z5P	Clutch supplier F&S
Z5X	Left-hand drive
Z5Y	Vehicle, for right-side traffic
Z8M	CTT vehicle, conversion at Molsheim plant
Z8P	CTT vehicle, conversion on assembly line
Z8U	CTT vehicle
Z9A	Constructability request order, special control

