

Technical specifications.

MINI John Cooper Works,

MINI John Cooper Works Automatic.



Body		MINI John Cooper Works	MINI John Cooper Works Automatic
Number of doors/seats		3 / 4	3 / 4
Length/width/height (empty)	mm	3874 / 1727 / 1414	3874 / 1727 / 1414
Wheelbase	mm	2495	2495
Track width, front/rear	mm	1485 / 1485	1485 / 1485
Turning circle	m	10.8	10.8
Fuel tank capacity	approx. l	44	44
Cooling system incl. heating	l	5.8	5.8
Engine oil	l	5.25	5.25
Transmission oil incl. drivetrain	l	lifetime filling	lifetime filling
Unladen weight according to DIN/EU ¹⁾	kg	1205 / 1280	1220 / 1295
Payload according to DIN	kg	480	480
Permitted gross vehicle weight	kg	1685	1700
Permitted axle loads, front/rear	kg	935 / 775	955 / 775
Permitted trailer load			
braked (12 %) / unbraked	kg	- / -	- / -
Permitted roof load/permitted download	kg	60 / -	60 / -
Luggage compartment capacity	l	211	211
Aerodynamic drag c / A / c _x × A	- / m ² / m ²	0.34 / 2.09 / 0.71	0.34 / 2.09 / 0.71
Engine			
Type/no. of cylinders/valves		in-line / 4 / 4	in-line / 4 / 4
Engine control		MEVD 17.2.3	MEVD 17.2.3
Capacity	cc	1998	1998
Bore/stroke	mm	82.0 / 94.6	82.0 / 94.6
Compression	:1	10.2	10.2
Fuel	RON	91-98	91-98
Output	kW/bhp	170 / 231	170 / 231
at engine speed	rpm	5200 – 6000	5200 – 6000
Torque	Nm	320	320
at engine speed	rpm	1250 – 4800	1250 – 4800
Electrical system			
Battery/installation	Ah / –	80 / engine compartment	80 / engine compartment
Alternator	A	150	150
Suspension			
Front wheel suspension		Single-joint McPherson spring strut axle with aluminium swivel bearing and anti-dive control	
Rear wheel suspension		Multilink axle with weight-optimised trailing arms	
Brakes, front		disc, vented	disc, vented
Rear brakes		disc	disc
Driving stability systems		Hydraulic 2-circuit brake system with anti-lock brakes (ABS), electronic brake force distribution (EBD) and Cornering Brake Control (CBC), Dynamic Stability Control (DSC) with brake assistant, hill start assistant, brake dry function, Fading Brake Support, Dynamic Traction Control (DTC), Electronic Differential Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels	
Steering		Electrically assisted EPS unit with Servotronic function	
Overall steering ratio	:1	14.2	14.2
Tyres		205/45 R17 88Y XL	205/45 R17 88Y XL
Rims		7J × 17 light alloy	7J × 17 light alloy
Transmission			
Transmission type		6-speed manual transmission	6-speed Steptronic sports transmission
Gear ratio	I	:1 3.923	4.459
	II	:1 2.136	2.508
	III	:1 1.276	1.555
	IV	:1 0.921	1.142
	V	:1 0.756	0.851
	VI	:1 0.628	0.672
Reverse gear	:1	3.538	3.185
Final drive ratio	:1	3.824	3.502
Driving performance figures			
Power-to-weight ratio according to DIN	kg/kW	7.1	7.2
Power output per litre	kW/l	85.1	85.1
Acceleration	0–100 km/h	s 6.3	6.1
In 5th gear	80–120 km/h	s 5.6	–
Top speed	km/h	246	246

Fuel consumption in EU cycle ³⁾			
Urban	l/100 km	8.3	7.2
Extra-urban	l/100 km	5.2	4.9
Total	l/100 km	6.3	5.7
CO ₂	g/km	147	133
Other			
Emission rating		EU6	EU6
Insurance rating	3rd party/fully comprehensive/3rd party fire + theft	16 / 19 / 23	16 / 19 / 23
Ground clearance (empty)	mm	143	143

Technical specifications valid for ACEA markets / authorisation data only relevant to Germany in some cases (weights)

¹⁾ Weight of road-ready automobile (DIN) plus 75 kg for driver and luggage

²⁾ Details not yet available

³⁾ Dependent on tyre format selected