

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
Ground clearance (empty)	mm 143	143
Fuel tank capacity	approx. l 40	40
Engine oil	l 5.25	5.25
Transmission oil incl. drivetrain	l lifetime filling	lifetime filling
Unladen weight according to DIN/EU ⁰	kg 1235 / 1310	1265 / 1340
Payload according to DIN	kg 450	445
Permitted gross vehicle weight	kg 1685	1710
Permitted axle loads, front/rear	kg 935 / 775	965 / 775
Permitted trailer load braked (12 %) / unbraked	kg - / -	- / -
Permitted roof load/permited download	kg 60 / -	60 / -
Luggage compartment capacity	l 211 - 731	211 - 731
Aerodynamic drag c_x / A / $c_x \times A$	- / 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	DME 8.xT	DME 8.xT
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 - 6200	5200 - 6200
Torque	Nm 320	320
at engine speed	rpm 1450 - 4800	1450 - 4800
Electrical system		
Battery/installation	Ah / - 70 / engine compartment	70 / 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 14.0	14.0
Tyres	205/45 R17 88Y XL	205/45 R17 88Y XL
Rims	7J x 17 light alloy	7J x 17 light alloy
Transmission		
Transmission type	6-speed manual transmission	8-speed steptronic transmission
Gear ratio	I :1 II :1 III :1 IV :1 V :1 VI :1 VII :1 VIII :1	3.923 2.136 1.393 1.088 0.892 0.756 - -
Reverse gear	:1 3.538	4.221
Final drive ratio	:1 3.824	2.955
Driving performance figures		
Power-to-weight ratio according to DIN	kg/kW 7.3	7.4
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 5.7	-
Top speed	km/h 246	246

Fuel consumption in EU cycle			
Urban	l/100 km	9.2 – 9.0	7.7 – 7.6
Extra-urban	l/100 km	5.9 – 5.7	5.4 – 5.1
Total	l/100 km	7.1 – 6.9	6.2 – 6.0
CO ₂	g/km	162 – 157	142 – 137
Other			
Emission rating		Euro 6d-TEMP	Euro 6d-TEMP

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

The fuel consumption, CO₂ emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are already based on the new WLTP test cycle and have been translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guideline for fuel consumption, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships and at <https://www.dat.de/co2>.