

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	3872 / 1727 / 1414	3872 / 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	44	44
Engine oil	l	5.25	5.25
Transmission oil incl. drivetrain	l	lifetime filling	lifetime filling
Unladen weight according to DIN/EU ¹⁾	kg	1245 / 1320	1275 / 1350
Payload according to DIN	kg	440	435
Permitted gross vehicle weight	kg	1685	1710
Permitted axle loads, front/rear	kg	940 / 800	975 / 800
Permitted trailer load braked (12 %) / unbraked	kg	- / -	- / -
Permitted roof load/permitted 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	0.33 / 2.09 / 0.69	0.33 / 2.09 / 0.69
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-diver 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 (optional: electrically) 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 3.923	5.519
	II	:1 2.136	3.184
	III	:1 1.393	2.050
	IV	:1 1.088	1.492
	V	:1 0.892	1.235
	VI	:1 0.756	1.000
	VII	:1 -	0.801
	VIII	:1 -	0.673
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	7.5
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 (NEDC)	l/100 km	9.4 – 9.1	7.7 – 7.4
Extra-urban (NEDC)	l/100 km	5.8 – 5.6	5.4 – 5.2
Total (NEDC)	l/100 km	7.1 – 6.9	6.2 – 6.0
Total (WLTP)	l/100 km	7.1 – 6.8	6.9 – 6.6
CO ₂ (NEDC)	g/km	163 – 158	142 – 137
CO ₂ (WLTP)	g/km	161 – 155	157 – 150
Other			
Emission rating		Euro 6d	Euro 6d

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

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

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>.