

# TECHNICAL SPECIFICATIONS.

## MINI JOHN COOPER WORKS CONVERTIBLE, MINI JOHN COOPER WORKS CONVERTIBLE AUTOMATIC.



Body	MINI John Cooper Works Convertible		MINI John Cooper Works Convertible Automatic	
Number of doors/seats		2 / 4		2 / 4
Length/width/height (empty)	mm	3874 / 1727 / 1415		3874 / 1727 / 1415
Wheelbase	mm	2495		2495
Track width, front/rear	mm	1485 / 1485		1485 / 1485
Turning circle	m	10.8		10.8
Ground clearance (empty)	mm	115		115
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 <sup>1)</sup>	kg	1325 / 1400		1360 / 1435
Payload according to DIN	kg	445		435
Permitted gross vehicle weight	kg	1770		1795
Permitted axle loads, front/rear	kg	965 / 820		995 / 820
Permitted trailer load braked (12 %) / unbraked	kg	- / -		- / -
Permitted roof load/permitted download	kg	- / -		- / -
Luggage compartment capacity	l	160 / 215		160 215
Aerodynamic drag $c_x / A / c_x \times A$	- / m <sup>2</sup> / m <sup>2</sup>	0.36 / 2.08 / 0.75		0.36 / 2.08 / 0.75
<b>Engine</b>				
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
<b>Electrical system</b>				
Battery/installation	Ah / -	70 / engine compartment		70 / engine compartment
Alternator	A	150		150
<b>Suspension</b>				
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 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	
<b>Transmission</b>				
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
<b>Driving performance figures</b>				
Power-to-weight ratio according to DIN	kg/kW	7.8		8.0
Power output per litre	kW/l	85.1		85.1
Acceleration	0-100 km/h	s		6.6
in 5th gear	80-120 km/h	s		6.1
Top speed	km/h	242		240

<b>Fuel consumption in EU cycle</b>			
Urban	l/100 km	9.4 - 9.2	7.8 - 7.7
Extra-urban	l/100 km	6.1 - 5.9	5.6 - 5.4
Total	l/100 km	7.3 - 7.1	6.4 - 6.2
CO <sub>2</sub>	g/km	166 - 161	146 - 142
<b>Other</b>			
Emission rating		Euro 6d-TEMP	Euro 6d-TEMP

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

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

The fuel consumption, CO<sub>2</sub> 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 CO<sub>2</sub> emissions, the CO<sub>2</sub> values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guideline for fuel consumption, CO<sub>2</sub> 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>.