



# 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
No of doors/seats		2 / 4	2 / 4
Length/width/height (unladen)	mm	3758 / 1683 / 1414	3758 / 1683 / 1414
Wheelbase	mm	2467	2467
Track, front/rear	mm	1453 / 1461	1453 / 1461
Turning circle	m	10.7	10.7
Tank capacity	approx l	50	50
Cooling system incl heater	l	7.5	7.5
Engine oil	l	4.2	4.2
Transmission oil incl drive train	l	Lifetime	Lifetime
Weight, unladen to DIN/EU <sup>1</sup>	kg	1240 / 1315	1265 / 1340
Max load to DIN	kg	430	430
Max permissible weight	kg	1670	1695
Max axle load, front/rear	kg	885 / 800	910 / 800
Max trailer load braked (12%) / unbraked	kg	- / -	- / -
Max roofload/max download	kg	- / -	- / -
Luggage compartment	l	125 - 660	125 - 660
Air drag $c_d$ / $A$ / $c_d \times A$	- / m <sup>2</sup> / m <sup>2</sup>	0.37 / 2.00 / 0.74	0.37 / 2.00 / 0.74
<b>Engine</b>			
Config/No of cyls/valves		In-line / 4 / 4	In-line / 4 / 4
Engine management		MEVD 1727	MEVD 1727
Capacity	cm <sup>3</sup>	1598	1598
Bore/stroke	mm	77.0 / 85.8	77.0 / 85.8
Compression ratio	:1	10.5	10.5
Fuel grade	RON	91-98	91-98
Max output	kW / hp	155 / 211	155 / 211
at	rpm	6000	6000
Max torque (with overboost)	Nm	260 (280)	260 (280)
at	rpm	1850-5600 (2000-5200)	1850-5600 (2000-5200)
<b>Electrical system</b>			
Battery/installation	Ah / -	70 / Engine compartment	70 / Engine compartment
Alternator	A	120	120
<b>Chassis</b>			
Suspension, front		Single-joint MacPherson spring strut axle with anti-dive control	
Suspension, rear		Multi-link axle with aluminium longitudinal struts and centrally-pivoted control arms	
Front brakes		Vented disc	Vented disc
Diameter	mm	316 × 22	316 × 22
Rear brakes		Disc	Disc
Diameter	mm	280 × 10	280 × 10
Driving stability systems		Hydraulic two-circuit brake system with anti-lock brakes (ABS), Electronic Brake Force Distribution (EBD) and Cornering Brake Control (CBC), Dynamic Stability Control (DSC) with Brake Assist, Hill Start Assistant, Dynamic Traction Control (DTC) and Electronic Differential Lock Control (EDLC). Parking brake acts mechanically on rear wheels	
Steering		Electric power steering (EPS); 2.4 rotations in total	
Steering transmission, overall	:1	14.1	14.1
Tyres		205/45 R17 84W RSC	205/45 R17 84W RSC
Wheels		7J × 17 light-alloy	7J × 17 light-alloy
<b>Transmission</b>			
Type of gearbox		6-gear manual transmission	6-speed automatic transmission
Gear ratios	I	:1	3.308
	II	:1	2.130
	III	:1	1.483
	IV	:1	1.139
	V	:1	0.949
	VI	:1	0.816
Reverse gear	:1	3.231	3.193
Final drive ratio	:1	3.706	3.683
<b>Performance</b>			
Power-to-weight ratio to DIN	kg/kW	8.0	8.2
Output per litre	kW/l	97.0	97.0
Acceleration	0-100 km/h	s	6.9
	0-1000 m	s	26.8
in 4th/5th gear	80-120 km/h	s	5.7 / 6.8
Top speed	km/h	235	233
<b>Fuel consumption in EU cycle</b>			
Urban	l/100 km	9.0	10.4
Extra-urban	l/100 km	5.5	5.5
Composite	l/100 km	6.8	7.3
CO <sub>2</sub>	g/km	157	169
<b>Miscellaneous</b>			
Emission rating		EU5	EU5
Ground clearance (empty)	mm	130	130

Specifications apply to ACEA markets / data relevant to homologation applicable in part only to Germany (weight)

<sup>1</sup> Weight of the car in road trim (DIN) plus 75 kg for driver and luggage