

Specifications MINI Cooper SD Convertible, MINI Cooper SD Convertible Automatic. (02/2011)

Body		MINI Cooper SD Convertible	MINI Cooper SD Convertible Automatic
No of doors/seats		2 / 4	2 / 4
Length/width/height (unladen)	mm	3729 / 1683 / 1414	3729 / 1683 / 1414
Wheelbase	mm	2467	2467
Track, front/rear	mm	1459 / 1467	1459 / 1467
Turning circle	m	10.7	10.7
Tank capacity	approx. l	40	40
Cooling system incl. heater	l	5.4	5.4
Engine oil	l	5.2	5.2
Transmission oil incl. drive train	l	Lifetime	Lifetime
Weight, unladen to DINEU1	kg	1250 / 1325	1265 / 1340
Max load to DIN	kg	430	430
Max permissible load to DIN	kg	1680	1695
Max axle load, front/rear	kg	905 / 790	925 / 790
Max trailer load ² braked (12%) / unbraked	kg	- / -	- / -
Max roofload/max download	kg	- / -	- / -
Luggage comp to DIN	l	125 / 170 - 660	125 / 170 - 660
Air drag c_x / A / $c_x \times A$	- / m ² / m ²	0.37 / 2.02 / 0.75	0.37 / 2.02 / 0.75
Engine			
Config/No of cyls/valves		Inline / 4 / 4	Inline / 4 / 4
Engine management		MEVD 7.2.1	MEVD 7.2.1
Capacity	cm ³	1995	1995
Bore/stroke	mm	84 / 90	84 / 90
Compression ratio	:1	16,5	16,5
Fuel grade	RON	Diesel	Diesel
Max output	kW / hp	105 / 143	105 / 143
at	min ⁻¹	4000	4000
Max torque	Nm	305	305
at	min ⁻¹	1750 - 2700	1750 - 2700
Electrical system			
Battery/installation	Ah / -	70 / Engine compartment	70 / Engine compartment
Alternator	A	150	150
Chassis			
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	280 × 22	280 × 22
Rear brakes		Disc	Disc
Diameter	mm	259 × 10	259 × 10
Driving stability systems		Hydraulic two-circuit brake system with anti-lock brakes (ABS), Electronic Brake Force Distribution (EBD) and Cornering Brake Control (CBC), ASC+T traction control, Dynamic Stability Control (DSC) with Brake Assist and Hill Start Assistant, optional: 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		195/55 R16 87V	195/55 R16 87V
Wheels		6.5J × 16 LM	6.5J × 16 LM
Transmission			
Type of gearbox		6-gear manual transmission	6-speed automatic transmission
Gear ratios			
	I	:1	3.308
	II	:1	1,870
	III	:1	1,194
	IV	:1	0,872
	V	:1	0,721
	VI	:1	0,596
Reverse gear	:1	3,231	3.193
Final drive ratio	:1	3.706	3.683
Performance			
Power-to-weight ratio to DIN	kg/kW	11.9	12
Output per litre	kW/l	52.6	52.6
Acceleration	0-100 km/h	s	8,7
	0-1000 m	s	29,8
In 4 th /5 th gear	80-120 km/h	s	7.1 / 8.6
Top speed	km/h	210	203
Fuel Consumption in EU Cycle			
Urban	l/100 km	5.3	7.1
Extra-urban	l/100 km	4	4.4
Composite	l/100 km	4.5	5.4
CO ₂	g/km	118	143
Miscellaneous			
Emission rating		EU5	EU5
Ground clearance	mm	139	139

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