



Specifications.

MINI Cooper S Roadster, MINI Cooper S Roadster Automatic.

(Status: October 2011)

Body		MINI Cooper S Roadster	MINI Cooper S Roadster Automatic
No of doors/seats		2 / 2	2 / 2
Length/width/height (unladen)	mm	3734 / 1683 / 1390	3734 / 1683 / 1390
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 ¹	kg	1185 / 1260	1205 / 1280
Max load to DIN	kg	290	290
Max permissible load	kg	1475	1495
Max axle load, front/rear	kg	870 / 620	895 / 620
Max trailer load			
braked (12%) / unbraked	kg	- / -	- / -
Max roofload/max download	kg	- / -	- / -
Luggage compartment	l	240	240
Air drag c_x / A / $c_x \times A$	- / m ² / m ²	0.37 / 1.97 / 0.73	0.37 / 1.97 / 0.73
Engine			
Config/No of cyls/valves		Inline / 4 / 4	Inline / 4 / 4
Engine management		MEVD 17.2.2	MEVD 17.2.2
Capacity	cm ³	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	135 / 184	135 / 184
at	min ⁻¹	5500	5500
Max torque	Nm	240 (260)	240 (260)
at	min ⁻¹	1600-5000 (1730-4500)	1600-5000 (1730-4500)
Electrical system			
Battery/installation	Ah / -	55 / Engine compartment	55 / Engine compartment
Alternator	A	120	120
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	294 x 22	294 x 22
Rear brakes		Disc	Disc
Diameter	mm	259 x 10	259 x 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 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 x 16 light-alloy	6.5J x 16 light-alloy
Transmission			
Type of gearbox		6-gear manual transmission	6-speed automatic transmission
Gear ratios	I	3.308	4.044
	II	2.130	2.371
	III	1.483	1.556
	IV	1.139	1.159
	V	0.949	0.852
	VI	0.816	0.672
Reverse gear	:1	3.231	3.193
Final drive ratio	:1	3.706	3.683
Performance			
Power-to-weight ratio to DIN	kg/kW	8.8	8.9
Output per litre	kW/l	84.5	84.5
Acceleration	0-100 km/h	s	7.2
	0-1000 m	s	27.5
in 4th/5th gear	80-120 km/h	s	- / -
Top speed	km/h	227	222

Fuel consumption in EU cycle			
Urban	l/100 km	7.5	9.1
Extra-urban	l/100 km	5.1	5.1
Composite	l/100 km	6.0	6.6
CO ₂	g/km	139	153
Miscellaneous			
Emission rating		EU5	EU5
Insurance ratings Germany	HPF/VK/TK	²	²
Ground clearance (empty)	mm	134	134

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

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

² Data not yet available.