

Specifications.

MINI Cooper Roadster, MINI Cooper Roadster Automatic.



(Status: October 2011)

Body		MINI Cooper Roadster	MINI Cooper Roadster Automatic
No of doors/seats		2 / 2	2 / 2
Length/width/height (unladen)	mm	3728 / 1683 / 1384	3728 / 1683 / 1384
Wheelbase	mm	2467	2467
Track, front/rear	mm	1459 / 1467	1459 / 1467
Turning circle	m	10.7	10.7
Tank capacity	approx. l	40	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	1120 / 1195	1160 / 1235
Max load to DIN	kg	290	290
Max permissible load	kg	1410	1450
Max axle load, front/rear	kg	820 / 610	855 / 610
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	0.35 / 1.97 / 0.69	0.35 / 1.97 / 0.69
Engine			
Config/No of cyls/valves		Inline / 4 / 4	Inline / 4 / 4
Engine management		MEV 17.2.2	MEV 17.2.2
Capacity	cm ³	1598	1598
Bore/stroke	mm	77.0 / 85.8	77.0 / 85.8
Compression ratio	:1	11.0	11.0
Fuel grade	RON	91-98	91-98
Max output	kW / hp	90 / 122	90 / 122
at	min ⁻¹	6000	6000
Max torque	Nm	160	160
at	min ⁻¹	4250	4250
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	280 x 22	280 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		175/65 R15 84H	175/65 R15 84H
Wheels		5.5J x 15 light-alloy	5.5J x 15 light-alloy
Transmission			
Type of gearbox		6-gear manual transmission	6-speed automatic transmission
Gear ratios	I	:1	3.214
	II	:1	1.792
	III	:1	1.194
	IV	:1	0.914
	V	:1	0.784
	VI	:1	0.683
Reverse gear	:1	3.143	3.394
Final drive ratio	:1	4.353	4.103
Performance			
Power-to-weight ratio to DIN	kg/kW	12.4	12.9
Output per litre	kW/l	56.3	56.3
Acceleration	0-100 km/h	s	9.2
	0-1000 m	s	30.4
in 4th/5th gear	80-120 km/h	s	9.8 / 12.4
Top speed	km/h	199	192

Fuel consumption in EU cycle			
Urban	l/100 km	7.2	8.9
Extra-urban	l/100 km	4.9	5.3
Composite	l/100 km	5.7	6.6
CO ₂	g/km	133	154
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.