

Technical specifications.

MINI Cooper S,

MINI Cooper S Automatic.



Body		MINI Cooper S	MINI Cooper S Automatic
Number of doors/seats		3 / 4	3 / 4
Length/width/height (empty)	mm	3850 / 1727 / 1414	3850 / 1727 / 1414
Wheelbase	mm	2495	2495
Track width, front/rear	mm	1485 / 1485	1485 / 1485
Turning circle	m	10.8	10.8
Fuel tank capacity	approx. l	44	44
Cooling system incl. heating	l	5.8	6.1
Engine oil	l	5.0	5.0
Transmission oil incl. drivetrain	l	lifetime filling	lifetime filling
Unladen weight according to DIN/EU ¹⁾	kg	1160 / 1235	1175 / 1250
Payload according to DIN	kg	450	450
Permitted gross vehicle weight	kg	1640	1655
Permitted axle loads, front/rear	kg	915 / 765	930 / 765
Permitted trailer load braked (12 %) / unbraked	kg	60 / –	60 / –
Permitted roof load/permited download	kg	211	211
Luggage compartment capacity	l	0.31 / 2.09 / 0.65	0.31 / 2.09 / 0.65
Aerodynamic drag c_x / A / $c_x \times A$	– / m ² / m ²		
Engine			
Type/no. of cylinders/valves		in-line / 4 / 4	in-line / 4 / 4
Engine control		MEVD 17.2.3	MEVD 17.2.3
Capacity	cc	1998	1998
Bore/stroke	mm	82.0 / 94.6	82.0 / 94.6
Compression	:1	11.0	11.0
Fuel	RON	91–98	91–98
Output	kW/bhp	141 / 192	141 / 192
at engine speed	rpm	4700 – 6000	4700 – 6000
Torque (with overboost)	Nm	280 (300)	280 (300)
at engine speed	rpm	1250 – 4750	1250 – 4750
Electrical system			
Battery/installation	Ah / –	80 / engine compartment	80 / engine compartment
Alternator	A	150	150
Suspension			
Front wheel suspension		Single-joint McPherson spring strut axle with aluminium swivel bearing and anti-dive 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	14.2	14.2
Tyres		195/55 R16 87W	195/55 R16 87W
Rims		6.5J × 16 light alloy	6.5J × 16 light alloy
Transmissions			
Transmission type		6-speed manual transmission	6-speed automatic transmission
Gear ratio	I	:1 3.923	4.459
	II	:1 2.136	2.508
	III	:1 1.393	1.555
	IV	:1 1.088	1.142
	V	:1 0.892	0.851
	VI	:1 0.756	0.672
Reverse gear	:1	3.538	3.185
Final drive ratio	:1	3.588	3.502
Driving performance figures			
Power-to-weight ratio according to DIN	kg/kW	8.2	8.3
Power output per litre	kW/l	70.6	70.6
Acceleration	0–100 km/h	s 6.8	6.7
	0–1000 m	s ²⁾	²⁾
in 4th/5th gear	80–120 km/h	s ²⁾ / 6.4	– / –
Top speed	km/h	235	233

Fuel consumption in EU cycle ³⁾			
Urban	l/100 km	7.6 – 7.7	6.8 – 6.9
Extra-urban	l/100 km	4.6 – 4.8	4.4 – 4.5
Total	l/100 km	5.7 – 5.8	5.2 – 5.4
CO ₂	g/km	133 – 136	122 – 125
Other			
Emission rating		EU6	EU6
Insurance rating in Germany	3rd party/fully	²⁾	²⁾
Ground clearance (empty)	mm	124	124

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

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

²⁾ Details not yet available

³⁾ Dependent on tyre format selec