

Technical specifications.

MINI Cooper,

MINI Cooper Automatic.



Body		MINI Cooper	MINI Cooper Automatic
Number of doors/seats		3 / 4	3 / 4
Length/width/height (empty)	mm	3821 / 1727 / 1414	3821 / 1727 / 1414
Wheelbase	mm	2495	2495
Track width, front/rear	mm	1501 / 1501	1501 / 1501
Turning circle	m	10.8	10.8
Fuel tank capacity	approx. l	40	40
Cooling system incl. heating	l	5.3	5.7
Engine oil	l	4.25	4.25
Transmission oil incl. drivetrain	l	lifetime filling	lifetime filling
Unladen weight according to DIN/EU ¹⁾	kg	1085 / 1160	1115 / 1190
Payload according to DIN	kg	450	450
Permitted gross vehicle weight	kg	1565	1595
Permitted axle loads, front/rear	kg	870 / 755	900 / 755
Permitted trailer load braked (12 %) / unbraked			
Permitted roof load/permitted download	kg	60 / –	60 / –
Luggage compartment capacity	l	211	211
Aerodynamic drag c_x / A / $c_x \times A$	– / m ² / m ²	0.28 / 2.07 / 0.58	0.28 / 2.07 / 0.58
Engine			
Type/no. of cylinders/valves		in-line / 3 / 4	in-line / 3 / 4
Engine control		MEVD 17.2.3	MEVD 17.2.3
Capacity	cc	1499	1499
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	100 / 136	100 / 136
at engine speed	rpm	4500 – 6000	4500 – 6000
Torque (with overboost)	Nm	220 (230)	220 (230)
at engine speed	rpm	1250 – 4000	1250 – 4000
Electrical system			
Battery/installation	Ah / –	70 / engine compartment	70 / engine compartment
Alternator	A	150	150
Suspension			
Front wheel suspension		Single-joint McPherson spring strut axle with aluminium swivel bearing and anti-diver 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) and Electronic Differential Lock Control (EDLC). Handbrake impacts mechanically on rear wheels	
Steering		Electrically assisted EPS unit with Servotronic function	
Overall steering ratio	:1	14.2	14.2
Tyres		175/65 R15 84H	175/65 R15 84H
Rims		5.5J × 15 light alloy	5.5J × 15 light alloy
Transmissions			
Transmission type		6-speed manual transmission	6-speed automatic transmission
Gear ratio	I	:1	3.615
	II	:1	1.952
	III	:1	1.241
	IV	:1	0.969
	V	:1	0.806
	VI	:1	0.683
Reverse gear	:1	3.538	3.185
Final drive ratio	:1	3.421	3.683
Driving performance figures			
Power-to-weight ratio according to DIN	kg/kW	10.9	11.2
Power output per litre	kW/l	66.7	66.7
Acceleration	0–100 km/h	s	7.9
	0–1000 m	s	²⁾
in 4th/5th gear	80–120 km/h	s	²⁾ / 9.3
Top speed	km/h	210	210

Fuel consumption in EU cycle ³⁾			
Urban	l/100 km	5.7 – 5.8	5.9 – 6.0
Extra-urban	l/100 km	3.8 – 3.9	4.0 – 4.1
Total	l/100 km	4.5 – 4.6	4.7 – 4.8
CO ₂	g/km	105 – 107	109 – 112
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 selected

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	2595
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			
Permitted roof load/permitted download	kg	60 / –	60 / –
Luggage compartment capacity	l	211	211
Aerodynamic drag c_x / A / $c_x \times A$	– / m ² / m ²	0.31 / 2.09 / 0.65	0.31 / 2.09 / 0.65
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
	II	:1	2.136
	III	:1	1.393
	IV	:1	1.088
	V	:1	0.892
	VI	:1	0.756
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
	0–1000 m	s	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

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²⁾ Details not yet available

³⁾ Dependent on tyre format selected

MINI Cooper D, MINI Cooper D Automatic.

Body		MINI Cooper D	MINI Cooper D Automatic
Number of doors/seats		3 / 4	3 / 4
Length/width/height (empty)	mm	3821 / 1727 / 1414	3821 / 1727 / 1414
Wheelbase	mm	2495	2495
Track width, front/rear	mm	1501 / 1501	1501 / 1501
Turning circle	m	10.8	10.8
Fuel tank capacity	approx. l	44	44
Cooling system incl. heating	l	3.3	3.3
Engine oil	l	4.4	4.4
Transmission oil incl. drivetrain	l	lifetime filling	lifetime filling
Unladen weight according to DIN/EU ¹⁾	kg	1135 / 1210	1150 / 1225
Payload according to DIN	kg	450	450
Permitted gross vehicle weight	kg	1615	1630
Permitted axle loads, front/rear	kg	910 / 755	925 / 755
Permitted trailer load braked (12 %) / unbraked	kg	60 / –	60 / –
Permitted roof load/permitted download	kg	211	211
Luggage compartment capacity	l	211	211
Aerodynamic drag c_x / A / $c_x \times A$	– / m ² / m ²	0.28 / 2.07 / 0.58	0.28 / 2.07 / 0.58
Engine			
Type/no. of cylinders/valves		in-line / 3 / 4	in-line / 3 / 4
Engine control		DDE 7.01	DDE 7.01
Capacity	cc	1496	1496
Bore/stroke	mm	84.0 / 90.0	84.0 / 90.0
Compression	:1	16.5	16.5
Fuel	RON	Diesel	Diesel
Output	kW/bhp	85 / 116	85 / 116
at engine speed	rpm	4000	4000
Torque	Nm	270	270
at engine speed	rpm	1750	1750
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) and Electronic Differential Lock Control (EDLC). Handbrake impacts mechanically on rear wheels	
Steering		Electrically assisted EPS unit with Servotronic function	
Overall steering ratio	:1	14.2	14.2
Tyres		175/65 R15 84H	175/65 R15 84H
Rims		5.5J × 15 light alloy	5.5J × 15 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	3.389	3.234
Driving performance figures			
Power-to-weight ratio according to DIN	kg/kW	13.4	13.5
Power output per litre	kW/l	56.8	56.8
Acceleration	0-100 km/h	s 9.2	9.2
	0-1000 m	s ²⁾	²⁾
in 4th/5th gear	80-120 km/h	s ²⁾ / 8.9	– / –
Top speed	km/h	205	204

Fuel consumption in EU cycle ³⁾			
Urban	l/100 km	4.3 – 4.4	4.2 – 4.3
Extra-urban	l/100 km	3.1 – 3.2	3.5 – 3.5
Total	l/100 km	3.5 – 3.6	3.7 – 3.8
CO ₂	g/km	92 – 95	98 – 99
Other			
Emission rating		EU6	EU6
Insurance rating in Germany	3rd party/fully	²⁾	²⁾
Ground clearance (empty)	mm	124	124

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