

# TECHNICAL SPECIFICATIONS.

## MINI COOPER S.



MINI Cooper S		
<b>Vehicle category</b>		
Drive type	4-cylinder engine	
<b>Body</b>		
No. of doors/seats		3 / 4
Length/Width/Height (unladen)	mm	3876 / 1744 / 1432
Wheelbase	mm	2495
Track front/rear	mm	1499 / 1499
Turning circle	m	11,1
Ground clearance (curb weight)	mm	130
Curb weight DIN/EU <sup>1)</sup>	kg	1285 / 1360
Axle load distribution (unladen) RA	%	36,2
Max. load DIN/EU	kg	450 / 375
Maximum laden mass	kg	1735
Maximum laden mass front/rear axle	kg	1005 / 815
Permissible roof load	kg	75
Luggage comp. capacity	l	210 - 725
<b>Drive</b>		
Drive concept	2,0 litre engine with front wheel drive	
Max. system output	kW/PS	150 / 204
Max. system torque	Nm	300
System power-to-weight ratio	kg/kW	8,6
Type of transmission	7-gear DTC transmission	
<b>Power unit</b>		
Configuration/No. of cylinders/valves		Row / 4 / 4
Effective capacity	cc	1998
Stroke/bore	mm	82,0 / 94,6
Compression ratio	:1	11,1
Motor-Code		B48A20M2
Peak output to ECE R 85	kW/PS	150 / 204
at	min <sup>-1</sup>	6.500
Rated power to ECE R 85	kW/PS	150 / 204
at	min <sup>-1</sup>	5000 - 6500
Nominal torque to ECE R 85	Nm	300
at	min <sup>-1</sup>	1450 - 4500
<b>Transmission</b>		
Type of transmission	7-gear DTC transmission	
Gear ratio	I	:1
	II	:1
	III	:1
	IV	:1
	V	:1
	VI	:1
	VII	:1
R		:1
Final drive		1

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<b>Driving dynamics and safety</b>		
Suspension, front	Single-joint strut axle with aluminium pivot bearing and brake articulation compensation	
Suspension, rear	Multi-link axle with weight-optimised trailing arms	
Brakes, front	Single-piston floating calliper disc brake, vented	
Brakes, rear	Single-piston floating calliper disc brake, vented	
Driving stability systems	Hydraulic 2-circuit brake system with anti-lock braking system (ABS), electronic brake force distribution (EBD) and cornering brake control (CBC), Dynamic Stability Control (DSC) with brake assist, actuator-related wheel slip limitation (ARB), hill start assist, dry braking function, fading compensation, Dynamic Traction Control (DTC); Electric handbrake acting on the rear wheels	
Safety equipment	Standard: Airbags for driver and front passenger, Side airbags for driver and front passenger, rear side airbags, Three-point automatic seat belts for all seats, front with belt tensioners and belt force limiters, Crash sensors, tyre pressure indicator	
Steering	Electric power steering (EPS) with Servotronic function	
Steering ratio, overall	:1	14
Tyres, front/rear	215/45 R17 91 Y XL, 195/55 R16 91 W XL	
Rims, front/rear	6,5Jx16 LM, 7Jx17 LM	
<b>Performance</b>		
Acceleration 0-100 km/h	s	6,6
Top speed	km/h	242
<b>Fuel Consumption ECE</b>		
Combined (WLTP) <sup>2</sup>	l/100 km	6,3-6,1
CO2 (WLTP)	g/km	142-138
Emission rating		EU6e-to-FCM

Specifications apply to ACEA markets / data relevant to homologation applies in part only to Germany (weight)

<sup>1)</sup> Weight of the ready-to-use vehicle (DIN) plus 75 kg for driver and luggage

<sup>2)</sup> depending on the selected tyre size

Official data on fuel consumption, CO2 emissions, power consumption and electric range were determined in accordance with the prescribed measurement procedure and comply with Regulation (EU) 715/2007 as amended. NEDC figures take into account differences in the selected wheel and tyre size in the case of ranges, and any optional equipment in the WLTP.

WLTP values are used for the calculation of taxes and other vehicle-related charges that are (also) based on CO2 emissions and, where applicable, for the purposes of vehicle-specific subsidies. Where applicable, the NEDC values listed were determined on the basis of the new WLTP measurement procedure and converted back to the NEDC measurement procedure for comparability. For vehicles newly type-tested since 1 January 2021, the official data only exists according to WLTP. In addition, according to EU Regulation 2022/195, the NEDC values will no longer be included in the EC certificates of conformity from 1 January 2023. Further information on the WLTP and NEDC measurement methods can be found at [www.mini.de/wltp](http://www.mini.de/wltp) as well as a comparative table on fuel consumption, CO2 emissions and power consumption of all current MINI models at [www.mini.de/de\\_DE/home/footer/wltp.html](http://www.mini.de/de_DE/home/footer/wltp.html).