

TECHNICAL SPECIFICATIONS.  
MINI COOPER S.



| MINI Cooper S                         |     |   |                  |
|---------------------------------------|-----|---|------------------|
| Vehicle category                      |     |   |                  |
| Drive type                            |     | 4-cylinder-engine                       |                  |
| Body                                  |     |   |                  |
| 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        |
| Drive                                 |     |   |                  |
| 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                 |                  |
| Power unit                            |     |   |                  |
| 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      |
| Transmission                          |     |   |                  |
| Type of transmission                  |     | 7-gear DTC transmission                 |                  |
| Gear ratio                            | I   | :1                                      | 14,964           |
|                                       | II  | :1                                      | 8,776            |
|                                       | III | :1                                      | 5,456            |
|                                       | IV  | :1                                      | 3,785            |
|                                       | V   | :1                                      | 2,972            |
|                                       | VI  | :1                                      | 2,345            |
|                                       | VII | :1                                      | 1,9              |
| R                                     |     | :1                                      | 13,441           |
| Final drive                           |     | :1                                      | 1                |

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|------------------------------|--|---------|
| Driving dynamics and safety  |  |         |
| 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   |         |
| Performance                  |  |         |
| Acceleration 0–100 km/h      | s  | 6,6     |
| Top speed                    | km/h   | 242     |
| Fuel Consumption ECE         |  |         |
| 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).