

TECHNICAL SPECIFICATIONS.

MINI JOHN COOPER WORKS,

MINI JOHN COOPER WORKS AUTOMATIC.



| Body | | MINI John Cooper Works | MINI John Cooper Works Automatic |
|--|-------------------------------------|--|----------------------------------|
| Number of doors/seats | | 3 / 4 | 3 / 4 |
| Length/width/height (empty) | mm | 3874 / 1727 / 1414 | 3874 / 1727 / 1414 |
| Wheelbase | mm | 2495 | 2495 |
| Track width, front/rear | mm | 1485 / 1485 | 1485 / 1485 |
| Turning circle | m | 10.8 | 10.8 |
| Ground clearance (empty) | mm | 143 | 143 |
| Fuel tank capacity | approx. l | 40 | 40 |
| Engine oil | l | 5.25 | 5.25 |
| Transmission oil incl. drivetrain | l | lifetime filling | lifetime filling |
| Unladen weight according to DIN/EU ¹⁾ | kg | 1235 / 1310 | 1265 / 1340 |
| Payload according to DIN | kg | 450 | 445 |
| Permitted gross vehicle weight | kg | 1685 | 1710 |
| Permitted axle loads, front/rear | kg | 935 / 775 | 965 / 775 |
| Permitted trailer load braked (12 %) / unbraked | kg | - / - | - / - |
| Permitted roof load/permitted download | kg | 60 / - | 60 / - |
| Luggage compartment capacity | l | 211 – 731 | 211 – 731 |
| Aerodynamic drag c_x / A / $c_x \times A$ | - / m ² / m ² | 0.34 / 2.09 / 0.71 | 0.34 / 2.09 / 0.71 |
| Engine | | | |
| Type/no. of cylinders/valves | | in-line / 4 / 4 | in-line / 4 / 4 |
| Engine control | | DME 8.xT | DME 8.xT |
| Capacity | cc | 1998 | 1998 |
| Bore/stroke | mm | 82.0 / 94.6 | 82.0 / 94.6 |
| Compression | :1 | 10.2 | 10.2 |
| Fuel | RON | 91–98 | 91–98 |
| Output | kW/bhp | 170 / 231 | 170 / 231 |
| at engine speed | rpm | 5200 – 6200 | 5200 – 6200 |
| Torque | Nm | 320 | 320 |
| at engine speed | rpm | 1450 – 4800 | 1450 – 4800 |
| 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), 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 | 14.0 | 14.0 |
| Tyres | | 205/45 R17 88Y XL | 205/45 R17 88Y XL |
| Rims | | 7J × 17 light alloy | 7J × 17 light alloy |
| Transmission | | | |
| Transmission type | | 6-speed manual transmission | 8-speed steptronic transmission |
| Gear ratio | I | :1 3.923 | 5.519 |
| | II | :1 2.136 | 3.184 |
| | III | :1 1.393 | 2.050 |
| | IV | :1 1.088 | 1.492 |
| | V | :1 0.892 | 1.235 |
| | VI | :1 0.756 | 1.000 |
| | VII | :1 – | 0.801 |
| | VIII | :1 – | 0.673 |
| Reverse gear | :1 | 3.538 | 4.221 |
| Final drive ratio | :1 | 3.824 | 2.955 |
| Driving performance figures | | | |
| Power-to-weight ratio according to DIN | kg/kW | 7.3 | 7.4 |
| Power output per litre | kW/l | 85.1 | 85.1 |
| Acceleration | 0-100 km/h | s 6.3 | 6.1 |
| in 5th gear | 80-120 km/h | s 5.7 | – |
| Top speed | km/h | 246 | 246 |

| Fuel consumption in EU cycle | | | |
|------------------------------|----------|--------------|--------------|
| Urban | l/100 km | 9.2 – 9.0 | 7.7 – 7.6 |
| Extra-urban | l/100 km | 5.9 – 5.7 | 5.4 – 5.1 |
| Total | l/100 km | 7.1 – 6.9 | 6.2 – 6.0 |
| CO ₂ | g/km | 162 – 157 | 142 – 137 |
| Other | | | |
| Emission rating | | Euro 6d-TEMP | Euro 6d-TEMP |

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

The fuel consumption, CO₂ emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are already based on the new WLTP test cycle and have been translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guideline for fuel consumption, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships and at <https://www.dat.de/co2>.