

Technical specifications.

BMW M3 Sedan.

M3 CS.



BMW
Media
information

01/2023
Page 1

| BMW M3 CS | | |
|---|-----------|---|
| Body | | |
| No of doors/seats | | 4 / 5 |
| Length/width/height (unladen) | mm | 4795 / 1918 / 1438 |
| Wheelbase | mm | 2857 |
| Track, front/rear | mm | 1623 / 1605 |
| Ground clearance | mm | 123 |
| Turning circle | m | 12.6 |
| Fuel tank capacity | approx. l | 59 |
| Engine oil ¹⁾ | l | 7.0 |
| Weight, unladen, to DIN/EU | kg | 1765 / 1840 |
| Max. load to DIN | kg | 480 |
| Max. permissible weight | kg | 2245 |
| Max. axle load, front/rear | kg | 1125 / 1200 |
| Max. trailer load, braked (12%/unbraked) | kg | - / - |
| Max. roofload/towbar download | kg | 75 / - |
| Luggage comp. capacity | l | 480 |
| Power Unit | | |
| Config./No. of cyls./valves | | In-line / 6 / 4 |
| Engine technology | | M TwinPower Turbo technology with two mono-scroll turbochargers, indirect charge air cooling, High Precision Injection (maximum injection pressure: 350 bar), VALVETRONIC fully variable valve timing and Double-VANOS variable camshaft timing |
| Effective capacity | cc | 2993 |
| Stroke/bore | mm | 90.0 / 84.0 |
| Compression ratio | :1 | 9.3 |
| Fuel | | RON 98 (min. RON 95) |
| Max. output | kW/hp | 405 / 550 |
| at | rpm | 6250 |
| Max. torque | Nm | 650 |
| at | rpm | 2750 – 5950 |
| Electrical System | | |
| Battery/installation | Ah/- | 70 / luggage compartment |
| Driving Dynamics and Safety | | |
| Suspension, front | | Adaptive M suspension with double-joint spring strut axle in lightweight aluminium construction, M-specific kinematics and elastokinematics |
| Suspension, rear | | Adaptive M suspension with five-link axle in lightweight aluminium/steel construction, rear-axle subframe with rigid bolted connection to the body, M-specific elastokinematics |
| Brakes, front | | M Compound brakes, vented, with six-piston fixed callipers |
| Brakes, rear | | M Compound brakes, vented, with single-piston floating callipers |
| Driving stability systems | | Standard: DSC incl. ABS, ASC and M Dynamic Mode (MDM), can be switched off, integrated wheel slip limitation, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, drive-off assistant, DSC networked with M xDrive all-wheel-drive system, Active M Differential |
| Safety equipment | | Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator |
| Steering | | Electric Power Steering (EPS) with M-specific Servotronic function and variable sport ratio |
| Steering ratio, overall | :1 | 14.6 |
| Tyres, front/rear | | 275/35 ZR19 100Y XL 285/30 ZR20 99Y XL |
| Rims, front/rear | | 9.5J x 19 light-alloy 10.5J x 20 light-alloy |

| BMW M3 CS | | | |
|---|---|----|-------------|
| Transmission | | | |
| Type of transmission | Eight-speed M Steptronic transmission with Drivelogic | | |
| Gear ratios | I | :1 | 5.000 |
| | II | :1 | 3.200 |
| | III | :1 | 2.143 |
| | IV | :1 | 1.720 |
| | V | :1 | 1.313 |
| | VI | :1 | 1.000 |
| | VII | :1 | 0.823 |
| | VIII | :1 | 0.640 |
| | R | :1 | 3.478 |
| Final drive | | :1 | 3.154 |
| Performance | | | |
| Power-to-weight ratio (DIN) | kg/kW | | 4.4 |
| Output per litre | kW/l | | 135.3 |
| Acceleration | 0–100 km/h | s | 3.4 |
| Acceleration | 0–200 km/h | s | 11.1 |
| Top speed | km/h | | 302 |
| BMW EfficientDynamics | | | |
| BMW EfficientDynamics standard features | Brake Energy Regeneration, Electric Power Steering, Automatic Start/Stop function, Optimum Shift Indicator in manual shift mode, BMW EfficientLightweight, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised efficiency, Li-ion battery, optimised aerodynamic attributes | | |
| Fuel Consumption ECE | | | |
| Combined (WLTP) | l/100 km | | 10.4 – 10.1 |
| Combined (NEDC) | l/100 km | | – |
| CO ₂ (WLTP) | g/km | | 234 – 229 |
| CO ₂ (NEDC) | g/km | | – |
| Emission rating | | | Euro 6d |

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

¹⁾ Oil change with filter

Official fuel consumption, CO₂ emissions, electric power consumption and electric range figures were determined based on the prescribed measurement procedure in accordance with European Regulation (EC) 2007/715 in the version applicable. They refer to vehicles in the German market. Where a range is shown, NEDC figures consider the different sizes of the selected wheels/tyres, while WLTP figures take into account the impact of any optional extras.

WLTP values are used for determining vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions as well as eligibility for any applicable vehicle-specific subsidies. Any NEDC values that are shown were calculated based on the new WLTP measurement procedure where appropriate and translated back into equivalent NEDC measurements in order to ensure comparability between the vehicles. Only official figures based on the WLTP procedure are available for new models that have been type tested since 01.01.2021. Further information on the WLTP and NEDC measurement procedures can also be found at www.bmw.de/wltp.

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' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.