Specifications.

The new BMW M4 CS.

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|  |  |  | BMW M4 CS |  |
|  |  |  |  |  |
| Body |  |  |  |
| No of doors/seats |  |  | 2/4 |  |
| Length/width/height (unladen) | mm |  | 4672/1870/1392 |  |
| Wheelbase | mm |  | 2812 |  |
| Track, front/rear | mm |  | 1579/1604 |  |
| Ground clearance | mm |  | 121 |  |
| Turning circle | m |  | 12.2 |  |
| Fuel tank capacity | approx. l |  | 60 |  |
| Cooling system incl. heater | l |  | 10.0 |  |
| Engine oil1) | l |  | 6.5 |  |
| Weight, unladen, to EU(excl. driver/incl. driver) | kg |  | 1580/1655 |  |
| Max load to EU | kg |  | 460 |  |
| Max permissible weight | kg |  | 2040 |  |
| Max axle load, front/rear | kg |  | 970/1130 |  |
| Max trailer load,Braked (12%)/unbraked | kg |  | ---/--- |  |
| Max roofload/max towbar download | kg |  | 75/--- |  |
| Luggage comp capacity | l |  | 445 |  |
| Air resistance | cd x A |  | 0.36 x 2.25 |  |
|  |  |  |  |  |
| Power Unit |
| Config/No of cyls/valves |  |  | In-line/6/4 |  |
| Engine technology |   | M TwinPower Turbo technology: two mono-scroll turbochargers, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing |
| Effective capacity | cc |  | 2979 |  |
| Stroke/bore | mm |  | 89.6/84.0 |  |
| Compression ratio | :1 |  | 10.2 |  |
| Fuel |  |  | RON95 – RON98 (rec.) |  |
| Max output | kW/hp |  | 338/460 |  |
| at | rpm |  | 6250 |  |
| Max torque | Nm/lb-ft |  | 600/442 |  |
| at | rpm |   | 4000 – 5380 |  |
|  |  |  |  |  |
| Electrical System |
| Battery/installation | Ah/– |  | 69/Luggage compartment |  |
| Alternator | A/W |  | 209/2926 |  |
|  |  |  |  |  |
| Driving Dynamics and Safety |
| Suspension, front  |  | Adaptive M suspension with aluminium double-joint spring-strut axle and M-specific elastokinematics |
| Suspension, rear |  | Adaptive M suspension with five-link axle in lightweight aluminium construction  |
| Brakes, front |  | M compound brakes, vented, with four-piston fixed callipers |
| Brakes, rear |  | M compound brakes, vented, with two-piston fixed callipers |
| Driving stability systems |  | Standard: DSC incl. ABS and M Dynamic Mode, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Start-Off Assistant, Active M Differential linked to Integrated Chassis Management (ICM) |
| Safety equipment |  | Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt latch tensioner and belt force limiter |
| Steering |  | Electric Power Steering (EPS) with M-specific Servotronic function |
| Steering ratio, overall | :1 |  | 15.0 |  |
| Tyres, front/rear |  |  | 265/35 ZR 19 98Y285/30 ZR 20 99Y |  |
| Rims, front/rear |  |  | 9 J x 19 Light Alloy10 J x 20 Light Alloy |  |

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| --- | --- | --- | --- | --- |
|  |  |  | BMW M4 CS |  |
|  |
| Transmission |
| Type of transmission |  | Seven-speed M Double Clutch Transmission (M DCT) with Drivelogic |
| Gear ratios I | :1 |  | 4.806 |  |
|  II | :1 |  | 2.593 |  |
|  III | :1 |  | 1.701 |  |
|  IV | :1 |  | 1.277 |  |
|  V | :1 |  | 1.000 |  |
|  VI | :1 |  | 0.844 |  |
|  VII | :1 |  | 0.671 |  |
|  VIII | :1 |  | ----- |  |
|  R | :1 |  | 4.172 |  |
| Final drive | :1 |  | 3.462 |  |
|  |  |  |  |  |
| Performance |
| Power-to-weight ratioEU excl. driver | kg/kW |  | 4.7 |  |
| Output per litre | kW/l |  | 113.5 |  |
| Acceleration 0–100 km/h | s |  | 3.9 |  |
| In 4th/5th gear 80–120 km/h | s |  | 3.4/4.3 |  |
| Top speed | km/h |  | 2802) |  |
|  |  |  |  |  |
| BMW EfficientDynamics |
| BMW EfficientDynamics standard features |  | Brake Energy Regeneration, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator in manual shift mode, intelligent lightweight design, on-demand operation of ancillary units, li-ion battery; map-regulated oil pump, differential with optimised warm-up behaviour, aerodynamics (underside panelling, front spoiler, boot lid with Gurney) |
|  |  |  |  |  |
| Fuel Consumption ECE**3)** |
| With standard tyres: |  |  |  |  |
| Urban | l/100km |  | 11.2 |  |
| Extra-urban | l/100km |  | 6.8 |  |
| Combined | l/100km |  | 8.4 |  |
| CO2 | g/km |  | 197 |  |
| Emission rating |  |  | EU6 |  |
|  |  |  |  |  |

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

1) Oil change with filter

2) Limited, with standard M Driver’s Package

3) Provisional fuel consumption and CO2 emissions depend on the selected tyre format

Further information on official fuel consumption figures, specific CO2 emission values and the electric power consumption of new passenger cars is included in the following guideline: “Leitfaden über 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 from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at http://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html.

Output and torque diagram.

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