

# Technical specifications.

## BMW M3 Touring.

## M3 CS.



BMW  
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information

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BMW M3 CS Touring		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height (unladen)	mm	4796 / 1918 / 1447
Wheelbase	mm	2857
Track, front/rear	mm	1623 / 1605
Ground clearance	mm	121
Turning circle	m	12.6
Fuel tank capacity	approx. l	59
Engine oil	l	8.5
Weight, unladen, to DIN/EU	kg	1850 / 1925
Max. load to DIN	kg	480
Max. permissible weight	kg	2330
Max. axle load, front/rear	kg	1125 / 1250
Max. trailer load, braked (12%)/unbraked	kg	- / -
Max. roofload/towbar download	kg	75 / -
Luggage comp. capacity	l	500 - 1510
<b>Power Unit</b>		
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
<b>Electrical System</b>		
Battery/installation	Ah/-	70 / luggage compartment
<b>Driving Dynamics and Safety</b>		
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, Start-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	

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**BMW M3 CS Touring**

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**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	4.6
Output per litre	kW/l	135.3
Acceleration 0–100 km/h (using one-foot rollout method) <sup>1)</sup>	s	3.5 (3.2)
Acceleration 0–200 km/h (using one-foot rollout method) <sup>1)</sup>	s	11.7 (11.4)
Acceleration 80–120 km/h in 4th / 5th gear	s	2.7 / 3.5
Top speed	km/h	300

**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
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**Fuel Consumption ECE**

Combined (WLTP)	l/100 km	10.5
CO <sub>2</sub> (WLTP)	g/km	238

**Environmental Characteristics**

Pass-by noise	dB(A)	71
Emission rating		Euro 6e
CO <sub>2</sub> class(es)		G

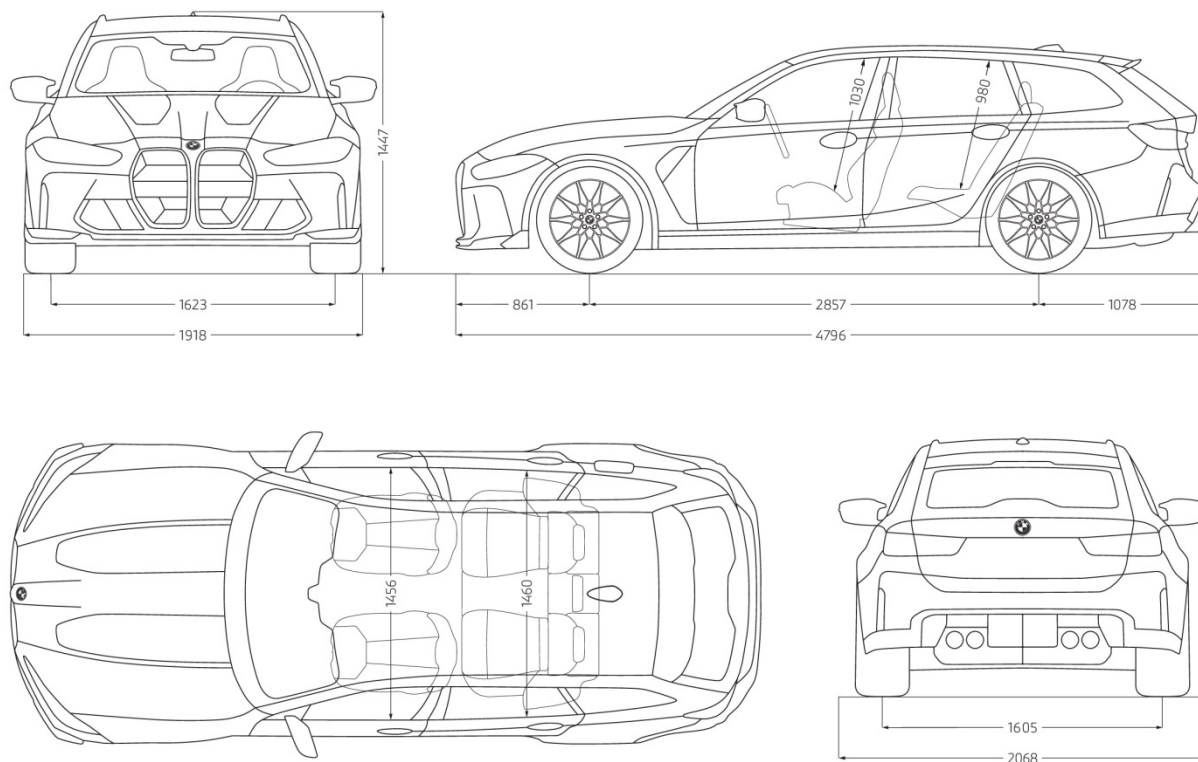
Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)  
All figures relating to performance, fuel consumption, emissions and range are provisional.

<sup>1)</sup> Value with "rollout" subtracted: With this alternative measuring method, time measurement only begins after leaving a light barrier. The distance not taken into account in the measurement (the "rollout") is 1 foot = 30.48 cm

All of the stated equipment features, technical data and fuel/electric power consumption and emissions figures relate to the offering in the German market. The figures refer to a vehicle with basic configuration in Germany. These may vary depending on the wheel/tyre size and items of optional equipment selected.

Official fuel consumption, CO<sub>2</sub> emissions, electric power consumption and electric range figures were determined based on the prescribed WLTP measurement procedure and are in accordance with the Pkw-EnVKV. Further information can be found at [www.bmw.de](http://www.bmw.de)

# Exterior and interior dimensions. BMW M3 Touring. M3 CS.



The dimensions indicated in the technical drawing are in millimetres and may vary depending on the model and the items of optional equipment fitted.