

Technical specifications.

BMW M3 Touring.

M3 Competition with M xDrive.



BMW
Media
information

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BMW M3 Competition Touring with M xDrive

Body

No of doors/seats		5 / 5
Length/width/height (unladen)	mm	4794 / 1903 / 1436
Wheelbase	mm	2857
Track, front/rear	mm	1617 / 1605
Ground clearance	mm	122
Turning circle	m	12.2
Fuel tank capacity	approx. l	59
Engine oil ¹⁾	l	7.0
Weight, unladen, to DIN/EU	kg	1865 / 1940
Max. load to DIN	kg	505
Max. permissible weight	kg	2370
Max. axle load, front/rear	kg	1125 / 1275
Max. trailer load, braked (12%/unbraked)	kg	- / -
Max. roofload/towbar download	kg	75 / -
Luggage comp. capacity	l	500 – 1510
Air resistance	c _d x A	0.36 x 2.34

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	375 / 510
at	rpm	6250
Max. torque	Nm	650
at	rpm	2750 – 5500

Electrical System

Battery/installation	Ah/-	70 / luggage compartment
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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 kinematics and 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

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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	4.97	
Output per litre	kW/l	125.3	
Acceleration	0–100 km/h	s	3.6
Acceleration	0–200 km/h	s	12.9
Acceleration	80–120 km/h	s	
in 4th/5th gear			2.7 / 3.5
Top speed	km/h	250 / 280 ²⁾	

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, optimised aerodynamic attributes
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Fuel Consumption ECE

Combined (WLTP)	l/100 km	10.4 – 10.1
Combined (NEDC)	l/100 km	–
CO ₂ (WLTP)	g/km	235 – 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)
All figures are provisional

¹⁾ Oil change with filter

²⁾ Limited / with optional M Driver's Package

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/>.