

# Specifications.

## BMW M3 Sedan.

### M3 Competition with M xDrive.



BMW M3 Competition Sedan with M xDrive		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height (unladen)	mm	4794 / 1903 / 1434
Wheelbase	mm	2857
Track, front/rear	mm	1617 / 1605
Ground clearance	mm	122
Turning circle	m	12.6
Fuel tank capacity	approx. ltr	59
Engine oil <sup>1)</sup>	ltr	7.0
Weight, unladen, to DIN/EU	kg	1780 / 1855
Max. load to DIN	kg	480
Max. permissible weight	kg	2260
Max. axle load, front/rear	kg	1125 / 1200
Max. trailer load, braked (12%/unbraked)	kg	- / -
Max. roof load/towbar download	kg	75 / -
Luggage comp. capacity	ltr	480
Air resistance	C <sub>d</sub> x A	0.34 x 2.34
<b>Engine</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, Double-VANOS variable camshaft timing	
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	9.3
Fuel		RON 98 (min RON 91)
Max. output	kW/hp	375 / 510
at	rpm	6250
Max. torque	Nm	650
at	rpm	2750 – 5500
<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 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, Start-Off Assistant, DSC linked with M xDrive allwheel drive, 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 at the front, crash sensors, tyre pressure indicator	
Steering	Electromechanical rack-and-pinion power steering (EPS) with M specific Servotronic function and variable sport ratios	
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 gearbox		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	4.7
Output per litre		kW/l	125.3
Acceleration	0–100 km/h	s	3.5
Acceleration	80–120 km/h	s	
in 4 <sup>th</sup> /5 <sup>th</sup> gear			2.6 / 3.4
Top speed		km/h	250 / 290 <sup>2)</sup>
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator in manual shift mode, BMW EfficientLightweight, on-demand operation of ancillary units, map-controlled oil pump, efficiency-optimised all-wheel drive, rear differential with optimised efficiency, optimized aerodynamic attributes	
Fuel consumption EU cycle			
with standard tyres			
Combined (WLTP)		ltr/100 km	10.1 – 10.0
CO <sub>2</sub> (WLTP)		g/km	231 – 228
Emission rating			Euro 6d

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

<sup>1)</sup> Oil change volume

<sup>2)</sup> Limited / with optional M Driver's Package

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).