

Specifications.

The new BMW M5.



BMW M5		
Body		
No of doors/seats		4/5
Length/width/height (unladen)	mm	4965/1903/1473
Wheelbase	mm	2982
Track, front/rear	mm	1626/1595
Ground clearance	mm	132
Turning circle	m	12.6
Fuel tank capacity	approx. l	68
Cooling system incl. heater	l	16.0
Engine oil ¹⁾	l	10.0
Weight, unladen, to EU (incl. driver/excl. driver)	kg	1930/1855
Max load to EU	kg	585
Max permissible weight	kg	2440
Max axle load, front/rear	kg	1215/1260
Max trailer load, Braked (12%/unbraked	kg	2000/750
Max roofload/max towbar download	kg	100/90
Luggage comp capacity	l	530
Air resistance	$c_d \times A$	0.758
Power Unit		
Config/No of cyls/valves		V8/4
Engine technology		M TwinPower Turbo technology with cross-bank exhaust manifold, M TwinScroll TwinTurbo, indirect charge air cooling, High Precision Injection, maximum injection pressure 350 bar, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cc	4395
Stroke/bore	mm	88.3/89.0
Compression ratio	:1	10.0
Fuel		RON 98 (min. RON 91)
Max output	kW/hp	441/600
at	rpm	5600 – 6700
Max torque	Nm/lb-ft	750/553
at	rpm	1800 – 5600
Electrical System		
Battery/installation	Ah/-	70 (li-ion)/ Luggage compartment
Alternator	A/W	249/3486
Driving Dynamics and Safety		
Suspension, front		Adaptive M suspension with double wishbone axle in lightweight aluminium construction, M-specific kinematics and elastokinematics, Variable Damper Control (VDC)
Suspension, rear		Adaptive M suspension with five-link axle in lightweight aluminium construction, M-specific elastokinematics, Variable Damper Control (VDC)
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, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Start-Off Assistant, Active M Differential, DSC linked with M xDrive all- wheel drive
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 latch tensioner and belt force limiter, crash- active front head restraints, crash sensors, tyre pressure indicator

BMW M5		
Steering	Electric Power Steering (EPS) with M-specific Servotronic function and variable sport ratio	
Steering ratio, overall	:1	14.3
Tyres, front/rear	275/40 ZR 19 102Y 285/40 ZR 19 104Y	
Rims, front/rear	9.5 J x 19 Light Alloy 10.5 J x 19 Light Alloy	

Power transfer

M xDrive intelligent all-wheel drive, central transfer case with fully-variable multi-plate clutch, fully-variable torque distribution between front and rear axle, differential with fully-variable Active M Differential, locking effect 0 – 100 per cent

Transmission

Type of transmission	Eight-speed M Steptronic transmission with Drivelogic, transmission oil cooling	
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
I	VI :1	0.823
II	VI :1	0.640
	R :1	4.172
Final drive	:1	3.150

Performance

Power-to-weight ratio	kg/kW	4.2
EU excl. driver		
Output per litre	kW/l	100.3
Acceleration 0–100/200 km/h	s	3.4/11.1
Top speed	km/h	250/305 ²⁾

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, BMW Efficient Lightweight, on-demand operation of ancillary units, li-ion battery; map-regulated oil pump, differential and transfer case with optimised warm-up behaviour, aerodynamics (underside panelling, front spoiler, rear spoiler)

Fuel Consumption ECE³⁾

With standard tyres:		
Urban	l/100 km	14.5
Extra-urban	l/100 km	8.2
Combined	l/100 km	10.5
CO ₂	g/km	241
Emission rating		EU6

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

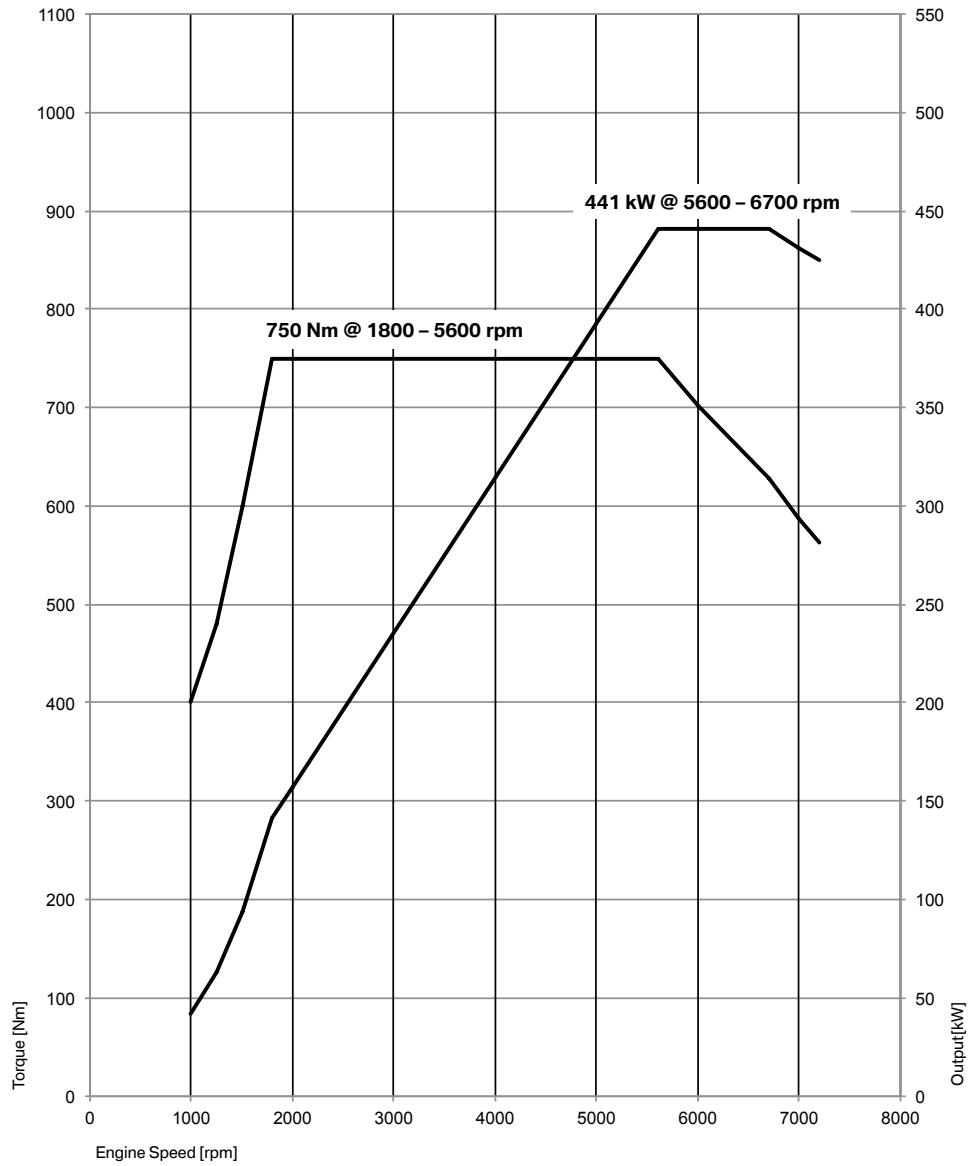
¹⁾ Oil change with filter

²⁾ Limited / with optional 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. The new BMW M5.



Exterior and interior dimensions. The new BMW M5.

