

7. Technical specifications. BMW 1 Series M Coupe.



BMW 1 Series M	
Body	
No. of doors/seats	2 / 4
Length/width/height (unladen)	mm 4380 / 1803 / 1420 ¹⁾
Wheelbase	mm 2660
Track width front/rear	mm 1541 / 1541
Ground clearance	mm ³⁾
Turning circle	m 11,5
Fuel tank capacity	approx. l 53
Cooling system incl. heating	l 10,4
Engine oil ²⁾	l 6,5
Unladen weight according to	kg 1495 / 1570
Payload according to DIN	kg 405
Permitted total weight	kg 1900
Permitted axle load front/rear	kg 940 / 1030
Permitted axle load (12 %) braked/unbraked	kg - / -
Permitted roof load/trailer nose	kg 75 / -
Luggage compartment volume	l 370
Drag	C _x x A ³⁾
Engine	
Type/no. cylinders/valves	in-line/ 6 / 4
Engine technology	M TwinPower Turbo direct injection, second generation
Capacity, effective	cc 2979
Stroke/bore	mm 89.6 / 84.0
Compression	:1 10,2
Fuel	min. RON 91
Output	kW/bhp 250 / 340
at engine speed	rpm 5900
Torque	Nm 450 + 50 (with overboost)
at engine speed	rpm 1500 - 4500
Electrical system	
Battery/location	Ah/- 70 / luggage compartment
Alternator	AW 180 / 2520
Driving dynamics and safety	
Front wheel suspension	Aluminium double pivot spring-strut front axle with trailing link; small positive kingpin offset; lateral force compensation; brake dive reduction
Rear wheel suspension	Five-link axle in lightweight construction with drive-off and brake dive compensation
Brake, front	Single piston floating caliper compound disc brakes
Diameter	mm 360 x 30, vented and perforated
Brake, rear	Single piston floating caliper compound disc brakes
Diameter	mm 350 x 24, vented and perforated
Driving stability systems	Standard: DSC incl. ABS and M Dynamic Mode (MDM), Cornering Brake Control CBC, brake assistant DBC, dry brake function, fading compensation, drive-off assistant, variable M differential lock
Safety features	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for the front and rear seats, crash-active headrests at front, three-point automatic seat belts for all seats, at front with belt tensioner, belt force limiter and belt stopper, crash sensors, tyre damage display
Steering	Rack-and-pinion with hydraulic support and Servotronic function
Total steering transmission	:1 12,5
Tyres, front/rear	245 / 35R19 93Y XL / 265 / 35R19 98Y XL
Rims, front/rear	9J x 19 EH2 IS 31 cast aluminium / 10J x 19 EH2 IS 25 cast aluminium

BMW 1 Series M

BMW ConnectedDrive

Comfort	Special equipment features: BMW Assist incl. information service, remote functions and V-Info+, BMW TeleServices, integration of mobile end devices
Infotainment	Special equipment features: internet access, BMW Online incl. parking info, country info, Google Local Search, news, weather, Realtime, BMW routes, office functions, Bluetooth audio streaming and online music title update
Safety	Special equipment features: Adaptive Headlights with cornering light, variable light distribution and adaptive headlight beam throw adjustment, high beam assistant, Park Distance Control, cruise control, automatic/extended emergency call

Gearbox

Transmission type	6-speed manual transmission		
Gear ratio	I	:1	4.110
	II	:1	2.315
	III	:1	1.542
	IV	:1	1.179
	V	:1	1.00
	VI	:1	0.846
	R	:1	3.727
Differential ratio			:1 3.154

Performance figures

Power-to-weight ratio	kg/kW (kg/bhp)	6.0 (4.4)
Power output per litre	kW/l	83.9 (114.1)
Acceleration 0 - 100 km/h	s	4.9
Acceleration 0 - 200 km/h	s	17.3
	0-1000 m	s ³⁾
in 4th/5th gear	80-120 km/h	s ³⁾
Max. speed	km/h	250 ⁴⁾

BMW EfficientDynamics

BMW EfficientDynamics measures as standard	Brake energy regeneration, needs-based control of auxiliary units, intelligent lightweight construction, rear axle final drive with optimised warm-up properties, aerodynamic optimisation including air curtains
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Fuel consumption in EU

urban	l/100	13.6
extra-urban	l/100	7.3
Total	l/100	9.6
CO ₂	g/km	224
Emissions classification	EU5	

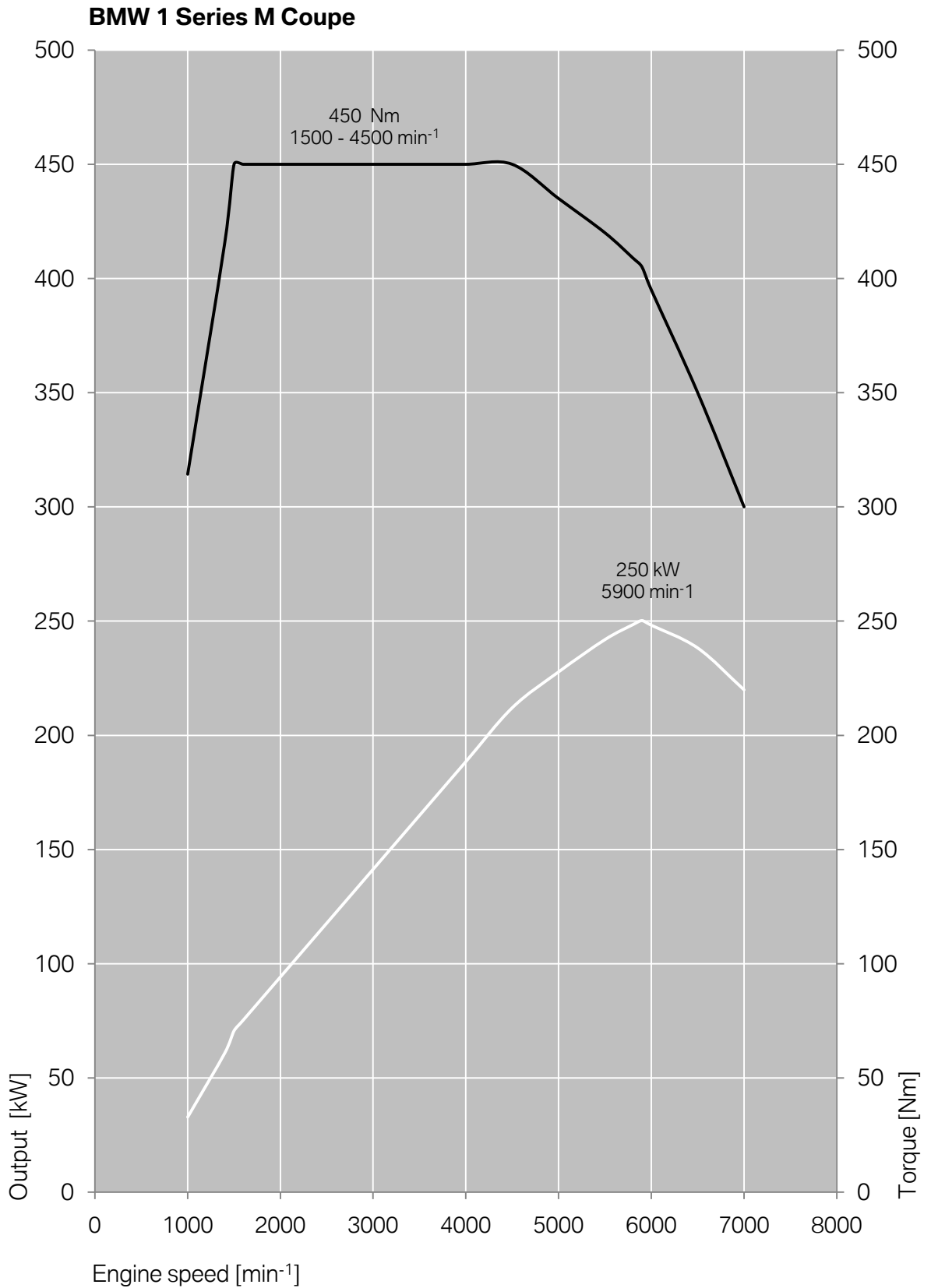
Insurance classification

3rd party / Fully comprehensive	³⁾
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Technical specifications apply to ACEA markets/registration-related data applies to Germany only in some cases (weights, max. speed)

- 1) Height with roof aerial
- 2) Oil change quantity
- 3) Details not yet available
- 4) Electronically cut off

8. Driving performance and torque diagrams.



9. Exterior and interior dimensions.

