

Specifications.

BMW M8 Coupe.

M 8 Competition.



BMW M8 Competition Coupe		
Body		
No of doors/seats		2 / 4
Length/width/height (unladen)	mm	4867 / 1907 / 1362
Wheelbase	mm	2827
Track, front/rear	mm	1627 / 1632
Ground clearance	mm	114
Turning circle	m	12.2
Fuel tank capacity	approx. l	68
Engine oil ¹⁾	l	10.0
Weight, unladen, to DIN/EU	kg	1900 / 1975
Max load to DIN	kg	485
Max permissible weight	kg	2385
Max axle load, front/rear	kg	1200 / 1230
Max trailer load, braked (12%/unbraked)	kg	- / -
Max roofload/max towbar download	kg	- / -
Luggage comp capacity	l	420
Air resistance	C _d x A	0.33 x 2.25
Power Unit		
Config/No of cyls/valves		V / 8 / 4
Engine technology		M TwinPower Turbo technology with cross-bank exhaust manifold: M TwinScroll twin turbocharger, 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	460 / 625
at	rpm	6000
Max torque	Nm	750
at	rpm	1800 – 5860
Electrical System		
Battery/installation	Ah/-	70 (Li-ion) / Luggage compartment
Driving Dynamics and Safety		
Suspension, front		Adaptive M suspension with double wishbone axle in lightweight aluminium construction, M-specific kinematics and elastokinematics
Suspension, rear		Adaptive M suspension with five-link axle in lightweight aluminium construction, 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, 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 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	14.3
Tyres, front/rear		275/35 ZR20 102Y XL 285/35 ZR20 104Y XL
Rims, front/rear		9.5J x 20 light-alloy 10.5J x 20 light-alloy

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Power transfer

M xDrive intelligent all-wheel drive, central transfer case with fully-variable multiplate clutch, fully-variable torque distribution between front and rear axle, rear 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
	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	4.1
Output per litre	kW/l	104.7
Acceleration 0–100 km/h	s	3.2
Acceleration 0–200 km/h	s	10.6
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, BMW EfficientLightweight, on-demand operation of ancillary units, Li-ion battery, map-regulated oil pump, rear differential and transfer case with optimised efficiency, optimised aerodynamics (underside panelling, front spoiler, rear spoiler)

Fuel Consumption ECE

Urban (NEDC)	l/100 km	16.8
Extra-urban (NEDC)	l/100 km	8.0
Combined (NEDC)	l/100 km	11.2
Combined (WLTP)	l/100 km	11.4 – 11.2
CO ₂ (NEDC)	g/km	258
CO ₂ (WLTP)	g/km	260 – 257
Emission rating		Euro 6d

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

¹⁾ Oil change with filter

²⁾ Limited / with optional M Driver's Package

Fuel consumption, CO₂ 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 NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ 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.