

Specifications.

BMW 8 Series Coupe.

840i.



BMW 840i Coupe		
Body		
No. of doors/seats		2 / 4
Length/width/height (unladen)	mm	4843 / 1902 / 1341
Wheelbase	mm	2822
Track, front/rear	mm	1627 / 1642
Ground clearance	mm	121
Turning circle	m	11.6
Tank capacity	approx. ltr	68
Engine oil ¹⁾	ltr	6.5
Weight, unladen, to DIN/EU	kg	1710 / 1785
Max. load to DIN	kg	515
Max. permissible weight	kg	2225
Max. axle load, front/rear	kg	1100 / 1215
Max. trailer load, braked (12%/unbraked)	kg	- / -
Max. roof load/towbar download	kg	75 / -
Luggage comp. capacity	ltr	420
Air resistance	C _d x A	0.29 x 2.22
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm ³	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min RON 91
Output	kW/hp	250 / 340
at	rpm	5000 – 6500
Torque	Nm	500
at	rpm	1600 – 4500
Electrical System		
Battery/Installation	Ah/-	105 / luggage comp.
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm and specific elastokinematics
Suspension, rear		Five-link axle in aluminium/steel lightweight construction with dual elastic bearing and specific elastokinematics
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, fading compensation, start-off assistant, Adaptive M Suspension, M Sport 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 latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	16.3
Tyres, front/rear		245/45 R18 100Y XL/ 275/40 R18 103Y XL
Rims, front/rear		8J x 18 light-alloy / 9J x 18 light-alloy

BMW 840i Coupe			
Transmission			
Type of gearbox	8-speed Steptronic		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929
Performance			
Power-to-weight ratio (DIN)	kg/kW		6.8
Output per litre	kW/l		83.4
Acceleration 0–100 km/h	s		5.0
Top speed	km/h		250
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behavior		
Fuel consumption EU cycle			
Urban	ltr/100 km		9.0 – 8.7
Extra-urban	ltr/100 km		6.3 – 6.2
Combined	ltr/100 km		7.3 – 7.1
CO ₂	g/km		166 – 162
Emission rating			EU6d-TEMP

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

¹⁾ Oil change volume

The values for fuel consumption, CO₂ emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO₂-emissions the CO₂ values may differ to the values stated here.

BMW 8 Series Coupe. 840i xDrive.

BMW 840i xDrive Coupe		
Body		
No. of doors/seats		2 / 4
Length/width/height (unladen)	mm	4843 / 1902 / 1341
Wheelbase	mm	2822
Track, front/rear	mm	1627 / 1642
Ground clearance	mm	121
Turning circle	m	11.9
Tank capacity	approx. ltr	68
Engine oil ¹⁾	ltr	6.5
Weight, unladen, to DIN/EU	kg	1770 / 1845
Max. load to DIN	kg	510
Max. permissible weight	kg	2280
Max. axle load, front/rear	kg	1155 / 1215
Max. trailer load, braked (12%/unbraked)	kg	- / -
Max. roof load/towbar download	kg	75 / -
Luggage comp. capacity	ltr	420
Air resistance	C _d x A	0.30 x 2.22
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm ³	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min RON 91
Output	kW/hp	250 / 340
at	rpm	5000 – 6500
Torque	Nm	500
at	rpm	1600 – 4500
Electrical System		
Battery/Installation	Ah/-	105 / luggage comp.
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm and specific elastokinematics
Suspension, rear		Five-link axle in aluminium/steel lightweight construction with dual elastic bearing and specific elastokinematics
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, DSC linked with xDrive all-wheel drive, Adaptive M Suspension; optional: M Sport 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 latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function, Integral Active Steering
Steering ratio, overall	:1	14.9
Tyres, front/rear		245/45 R18 100Y XL/ 275/40 R18 103Y XL
Rims, front/rear		8J x 18 light-alloy / 9J x 18 light-alloy

BMW 840i xDrive Coupe

Transmission

Type of gearbox	8-speed Steptronic		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929

Performance

Power-to-weight ratio (DIN)	kg/kW	7.1
Output per litre	kW/l	83.4
Acceleration 0–100 km/h	s	4.7
Top speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, automatic rear spoiler, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour
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Fuel consumption EU cycle

Urban	ltr/100 km	9.6 – 9.4
Extra-urban	ltr/100 km	6.5 – 6.3
Combined	ltr/100 km	7.7 – 7.4
CO ₂	g/km	174 – 169
Emission rating		EU6d-TEMP

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

¹⁾ Oil change volume

The values for fuel consumption, CO₂ emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

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