

Specifications. BMW 4 Series Convertible. 435i xDrive



BMW 435i xDrive Convertible		
Body		
No. of doors/seats		2 / 4
Length/width/height (unladen)	mm	4638 / 1825 / 1399
Wheelbase	mm	2810
Front/rear track	mm	1544 / 1590
Ground clearance	mm	145
Turning circle	m	11.8
Fuel capacity	approx. l	60
Cooling and heating system reservoir capacity	l	6.7 (7.2)
Engine oil capacity ¹⁾	l	6.5
Weight, unladen (DIN/EU)	kg	1810 / 1885 (1820 / 1895)
Payload (DIN)	kg	450
Permitted total weight	kg	2260 (2270)
Permitted axle load, front/rear	kg	1080 / 1230
Permitted trailer load (12%) braked/unbraked	kg	1800 / 750
Permitted roof load/trailer download	kg	- / 75
Luggage compartment capacity	l	370
Aerodynamic drag	c _d x A	0.31 x 2.16
Engine		
Type/no. of cylinders/valves		in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology with twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control	
Effective capacity	cc	2979
Stroke/bore	mm	89.6 / 84.0
Compression ratio	:1	10.2
Fuel type		min. RON 91
Output	kW/hp	225 / 306
at rpm	min ⁻¹	5800 – 6400
Torque	Nm	400
at rpm	min ⁻¹	1200 – 5000
Electrical		
Battery charge/location	Ah/–	90 / luggage compartment
Alternator current/output	A/W	170 / 2380
Driving Dynamics and Safety		
Front suspension	Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive	
Rear suspension	Five-link axle in lightweight steel construction	
Front brakes	Single-piston floating-calliper disc brakes, inner-vented	
Rear brakes	Single-piston floating-calliper disc brakes, inner-vented	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assist, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM); optional: Adaptive Suspension	
Safety equipment	Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags with combined head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre pressure indicator	
Steering	Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sport Steering	
Overall steering ratio	:1	15.2
Front/rear tyres		225/50 R17 94W
Front/rear wheels		7,5J x 17 light-alloy

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Transmission

Type of gearbox	6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4.110 (4.714)
	II	:1	2.315 (3.143)
	III	:1	1.542 (2.106)
	IV	:1	1.179 (1.667)
	V	:1	1.000 (1.285)
	VI	:1	0.846 (1.000)
	VII	:1	– (0.839)
	VIII	:1	– (0.667)
	R	:1	3.727 (3.295)
Differential ratio		:1	3.231 (3.154)

Performance

Weight-to-power ratio (DIN unladen)	kg/kW		8.0 (8.1)
Specific power output	kW/l		75.5
Acceleration	0–100 km/h	sec.	5.6 (5.5)
	0–1,000 m	sec.	²⁾
in 5th gear	80–120 km/h	sec.	7.1 (–)
Max. speed	km/h		250 (250)

BMW EfficientDynamics

BMW EfficientDynamics Features included as standard	Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, gear shift indicator (manual), ECO PRO mode with coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised rear differential and power divider, tyres with reduced rolling resistance
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Fuel consumption (EU) ³⁾

With standard wheels and tyres			
Urban	l/100 km		11.9 (11.3)
Extra-urban	l/100 km		6.6 (5.9)
Total	l/100 km		8.5 (7.9)
CO ₂ emissions	g/km		199 (184)
With 8J x 18" rims and 225/45 R18 tyres and winter tyres, With 8J x 18" front rims, 8.5J x 18" rear rims, 225/45 R18 front tyres and 255/40 R18 rear tyres, With 8J x 19" front rims, 8.5J x 19" rear rims, 225/40 R19 front tyres and 255/35 R19 rear tyres			
Urban	l/100 km		12.3 (11.6)
Extra-urban	l/100 km		6.7 (6.1)
Combined	l/100 km		8.7 (8.1)
CO ₂ emissions	g/km		204 (189)
Emissions standard			EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany
Figures in brackets are for vehicles with automatic transmission

¹⁾ Oil change volume

²⁾ Data not yet available

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format