

# Technical specifications.

## BMW 2 Series Active Tourer.

### 223d xDrive.



BMW 223d xDrive Active Tourer		
<b>Body</b>		
No. of doors / seats		5 / 5
Length/width/height (unladen)	mm	4386 / 1824 / 1576
Wheelbase	mm	2670
Track, front/rear	mm	1583 / 1584
Ground clearance	mm	171
Turning circle	m	11.4
Fuel tank capacity	approx. l	45
Weight, unladen, to DIN/EU	kg	1655 / 1730
Max. load to DIN	kg	555
Max. permissible weight	kg	2210
Max. axle load, front/rear	kg	1175 / 1110
Max. trailer load braked (12%/unbraked)	kg	1500 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage comp. capacity	l	415 – 1405
Air resistance	$c_x$	0.26
<b>Power Unit</b>		
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, high- and low-pressure turbochargers with variable intake geometry, common-rail direct injection with solenoid injectors (max. injection pressure: 2500 bar), 48V mild hybrid technology using an electric motor integrated into the transmission
Max. output overall <sup>1)</sup>	kW/hp	155 / 211
Max. torque overall <sup>1)</sup>	Nm	400
<b>Diesel Engine</b>		
Config./No. of cyls./valves		In-line / 4 / 4
Effective capacity	cc	1995
Stroke/bore	mm	9.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Nominal power	kW/hp	145 / 197
at	rpm	4000
Nominal torque	Nm	400
at	rpm	1500 – 2750
Output per litre	kW/l	72.7
<b>Electric Motor</b>		
Nominal power	kW/hp	14 / 19
Nominal torque	Nm	55
<b>Electrical System</b>		
12V battery/installation	Ah/-	70 / engine compartment
48V battery/installation	Ah/-	20 / luggage compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Three-link axle in lightweight steel construction
Brakes, front		Single-piston floating-calliper disc brakes
Brakes, rear		Single-piston floating-calliper disc brakes
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), ARB technology (near-actuator wheel slip limitation), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braking function, fading compensation, drive-off assistant, trailer stability control, DSC networked with xDrive all-wheel-drive system; optional: adaptive M suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, interaction airbag between driver and front passenger, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS) with Servotronic function, optional: sport steering
Steering ratio, overall	:1	15.6
Tyres, front/rear		205/60 R17 97W XL
Rims, front/rear		7J x 17 light-alloy

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<b>Transmission</b>			
Type of transmission	Seven-speed Steptronic dual-clutch transmission		
Gear ratios	I	:1	14.964
	II	:1	8.776
	III	:1	5.408
	IV	:1	3.785
	V	:1	2.930
	VI	:1	2.345
	VII	:1	1.901
	R	:1	13.441
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		10.7
Acceleration 0–100 km/h	s		7.3
Top speed	km/h		233
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	48V mild hybrid technology, Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, PERSONAL and EFFICIENT mode with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter		
<b>Fuel Consumption ECE</b>			
Combined (WLTP)	l/100		5.1 – 4.6
Combined (NEDC)	l/100		–
CO <sub>2</sub> (WLTP)	g/km		133 – 121
CO <sub>2</sub> (NEDC)	g/km		–
Emission rating			Euro 6d

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

<sup>1)</sup> Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

The fuel consumption, CO<sub>2</sub> emissions, electric power consumption and electric range figures are determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany and the range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment.

All values were calculated based on the new WLTP test cycle. WLTP values are taken as the basis for determining vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions as well as eligibility for any applicable vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures can also be found at [www.bmw.de/wltp](http://www.bmw.de/wltp).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.