

# Technical specifications.

## BMW 2 Series Active Tourer.

### 223i xDrive.



BMW  
Media  
Information

03/2022  
Page 1

BMW 223i 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
Engine oil <sup>1)</sup>	l	5.25
Weight, unladen, to DIN/EU	kg	1615 / 1690
Max. load to DIN	kg	555
Max. permissible weight	kg	2170
Max. axle load, front/rear	kg	1140 / 1095
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 <sub>x</sub>	0.27
<b>Power Unit</b>		
Engine technology	BMW TwinPower Turbo technology: twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing, 48V mild hybrid technology using an electric motor integrated into the transmission	
Max. output	kW/hp	160 / 218
Max. torque	Nm	360
<b>Petrol Engine</b>		
Config./No. of cyls./valves		In-line / 4 / 4
Effective capacity	cc	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.1
Fuel		min. RON 91
Max. output	kW/hp	150 / 204
at	rpm	5000 – 6500
Max. torque	Nm	320
at	rpm	1500 – 4000
Output per litre	kW/l	75.1
<b>Electric Motor</b>		
Max. output	kW/hp	14 / 19
Max. torque	Nm	55
<b>Electrical System</b>		
12V battery/installation	Ah/–	60 / 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, all-wheel-drive system xDrive linked with DSC; 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	15.8
Tyres, front/rear	205/60 R17 97W XL	
Rims, front/rear	7J x 17 light-alloy	

BMW 223i xDrive Active Tourer			
<b>Transmission</b>			
Type of transmission		Seven-speed Steptronic dual-clutch transmission	
Gear ratios	I	:1	16.324
	II	:1	9.573
	III	:1	5.899
	IV	:1	4.129
	V	:1	3.196
	VI	:1	2.558
	VII	:1	2.073
	R	:1	14.663
Final drive		:1	3.789
<b>Performance</b>			
Power-to-weight ratio (DIN)		kg/kW	10.8
Acceleration	0–100 km/h	s	6.9
Top speed		km/h	238
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features		48V mild hybrid technology, Brake Energy Regeneration with recuperation display, Auto Start Stop function, PERSONAL and EFFICIENT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
<b>Fuel Consumption ECE</b>			
Combined (WLTP)		l/100	7.1 – 6.5
CO <sub>2</sub> (WLTP)		g/km	161 – 148
Emission rating			Euro 6d

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

<sup>1)</sup> Oil change

Official fuel consumption, CO<sub>2</sub> emissions, electric power consumption and electric range figures were determined based on the prescribed measurement procedure in accordance with European Regulation (EC) 2007/715 in the version applicable. They refer to vehicles in the German market. Where a range is shown, NEDC figures consider the different sizes of the selected wheels/tyres, while WLTP figures take into account the impact of any optional extras.

WLTP values are used 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. Any NEDC values that are shown were calculated based on the new WLTP measurement procedure where appropriate and translated back into equivalent NEDC measurements in order to ensure comparability between the vehicles. Only official figures based on the WLTP procedure are available for new models that have been type tested since 01.01.2021. Further information on the WLTP and NEDC measurement procedures can also be found at [www.bmw.com/wltp](http://www.bmw.com/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/>.