

# Technical specifications.

## BMW 2 Series Active Tourer.

### 220d.



BMW 220d 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	1565 / 1640
Max. load to DIN	kg	555
Max. permissible weight	kg	2120
Max. axle load, front/rear	kg	1140 / 1060
Max. trailer load		
braked (12%)/unbraked	kg	1400 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage comp. capacity	l	415 – 1405
Air resistance	C <sub>x</sub>	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	120 / 163
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	110 / 150
at	rpm	3750 – 4000
Nominal torque	Nm	360
at	rpm	1500 – 2500
Output per litre	kW/l	55,1
<b>Electric Motor</b>		
Nominal power	kW/hp	15 / 20
Nominal torque	Nm	55
<b>Electrical System</b>		
12V battery/installation	Ah/–	70 / engine compartment
48V battery/installation	Ah/–	19.2 / 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; 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	205/65 R16 95W XL	
Rims, front/rear	7J x 16 light-alloy	

BMW 220d Active Tourer			
Transmission			
Type of transmission		Seven-speed Steptronic dual-clutch transmission	
Gear ratios	I	:1	14.964
	II	:1	8.776
	III	:1	5.456
	IV	:1	3.741
	V	:1	2.972
	VI	:1	2.337
	VII	:1	1.900
	R	:1	13.441
Performance			
Power-to-weight ratio (DIN)	kg/kW		13.0
Acceleration 0–100 km/h	s		8.3
Top speed	km/h		220
BMW EfficientDynamics			
BMW EfficientDynamics standard features		48V mild hybrid technology, Brake Energy Regeneration with recuperation display, Electric Power Steering, Automatic Start/Stop function, Optimum Shift Indicator in manual shift mode, 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 with SCR catalytic converter	
Fuel Consumption ECE			
Combined (WLTP)	l/100		4.9 – 4.5
CO <sub>2</sub> (WLTP)	g/km		128 – 117
Emission rating			Euro 6e
CO <sub>2</sub> class(es)			D

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/>.