

# Specifications.

## The new BMW 128ti.



<b>BMW 128ti</b>		
<b>Body</b>		
No of doors / seats		5 / 5
Length / width / height (unladen)	mm	4319 / 1799 / 1434
Wheelbase	mm	2670
Track, front / rear	mm	1560 / 1563
Ground clearance	mm	153
Turning circle	m	11.4
Fuel tank capacity	approx. l	50
Engine oil <sup>1)</sup>	l	5.25
Weight, unladen, to DIN / EU	kg	1445 / 1520
Max load to DIN	kg	555
Max permissible weight	kg	2000
Max axle load, front / rear	kg	1085 / 990
Max trailer load, braked (12%) / unbraked	kg	-
Max roofload / max towbar download	kg	75 / -
Luggage comp capacity	l	380-1200
Air resistance	C <sub>d</sub> x A	0.32 x 2.19
<b>Power Unit</b>		
Config / No of cyls / valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cc	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	9.5
Fuel		Min. RON 95
Max output	kW/hp	195 / 265
at	rpm	4750-6500
Max torque	Nm	400
at	rpm	1750-4500
<b>Electrical System</b>		
Battery / installation	Ah/-	70 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with springs and dampers in a separated arrangement
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (near-actuator wheel slip limitation), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, M Sport suspension, M Sport brakes
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, 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
Steering ratio, overall	:1	15.0
Tyres, front / rear		225/40 R18 92Y XL 225/40 R18 92Y XL
Rims, front / rear		8J x 18 light-alloy 8J x 18 light-alloy

<b>BMW 128ti</b>			
<b>Transmission</b>			
Type of transmission	Eight-speed Steptronic Sport transmission		
Gear ratios	I	:1	5.519
	II	:1	3.184
	III	:1	2.050
	IV	:1	1.492
	V	:1	1.235
	VI	:1	1.000
	VII	:1	0.801
	VIII	:1	0.673
	R	:1	4.221
Final drive		:1	2.955
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		7.4
Output per litre	kW/l		97.66
Acceleration	0–100 km/h	s	6.1
in 5th gear	80–120 km/h	s	-
Top speed	km/h		250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function (with automatic transmission), intelligent lightweight construction, 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		
<b>Fuel Consumption ECE</b>			
Urban	l/100 km		7.7–7.5
Extra-urban	l/100 km		5.7–5.2
Combined	l/100 km		6.4–6.1
CO <sub>2</sub>	g/km		148–139
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

All figures relating to performance, fuel/electric power consumption and CO<sub>2</sub> emissions are provisional.

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

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions, the CO<sub>2</sub> values may differ from the values stated here (depending on national legislation).

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/>.