

Technical specifications.

BMW 1 Series.

120.



BMW 120		
Body		
Number of doors/seats		5 / 5
Length/width/height (empty)	mm	4361 / 1800 / 1459
Wheelbase	mm	2670
Track width, front/rear	mm	1561 / 1562
Ground clearance	mm	156
Turning circle	m	11.7
Fuel tank capacity	approx. l	49
Engine oil ¹⁾	l	4.5
Weight unladen, acc. to DIN/EU	kg	1425 / 1500
Payload according to DIN	kg	565
Permitted total weight	kg	1990
Permitted axle loads, front/rear	kg	1050 / 1005
Perm. trailer load (12%) braked/unbraked	kg	1300 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage compartment capacity	l	300 - 1135
Air resistance	c _x	0.27
Drive		
Engine technology	BMW TwinPower Turbo Technology: Turbocharger, dual injection with direct injection High Precision Injection and intake pipe fuel injection, variable valve control VALVETRONIC, variable camshaft control double VANOS, 48-volt mild hybrid technology with an electric motor integrated into the transmission	
Power output / total ²⁾	kW/hp	125 / 170
Torque / total ²⁾	Nm	280
Petrol engine		
Type/no. of cylinders/valves		in-line / 3 / 4
Displacement, effective	cc	1499
Stroke/bore	mm	94.6 / 82.0
Compression	:1	11.1
Fuel		min RON 91
Nominal power output at engine speed	kW/hp rpm	115 / 156 4700 - 6500
Nominal torque	Nm	240
at engine speed	rpm	1500 - 4400
Power output per litre	kW/l	76.7
Electric motor		
Nominal power output	kW/hp	15 / 20
Nominal torque	Nm	55
Electrical system		
12 volt battery/installation	Ah / -	60 / engine compartment
48 volt battery/installation	Ah / -	20 / Luggage compartment
Driving dynamics and safety		
Front wheel suspension	Single-joint spring-strut-type axle in aluminium-steel lightweight construction	
Rear wheel suspension	Three-joint 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), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Performance Control, Dry Brake Function, Fade Compensation, Hill Start Control, 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 for the front and rear seat row, interaction airbag between driver and front passenger, three-point inertia-reel seat belts on all seats, front with belt tensioner and seat belt force limiter, crash sensors, tyre pressure display	
Steering	Electromechanical power steering (EPS) with Servotronic function, optional: sport steering	
Overall steering ratio	:1	15.3
Tyres, front/rear		205/55 R17 95Y XL
Wheel rims, front/rear		7.5J × 17 light-alloy

BMW 120			
Transmission			
Transmission type		7-speed Steptronic transmission with dual clutch	
Gear ratio	I	:1	16.324
	II	:1	9.573
	III	:1	5.952
	IV	:1	4.081
	V	:1	3.243
	VI	:1	2.549
	VII	:1	2.072
	R	:1	14.663
Driving performance figures			
Weight-to-power ratio (DIN)		kg/kW	11.4
Acceleration	0-100 km/h	s	7.8
Top speed		km/h	226
BMW EfficientDynamics			
BMW EfficientDynamics measures as standard		48 hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, PERSONAL and EFFICIENT modes with coasting function, Route-ahead Assistant, optimum shift indicator in manual shift mode, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air-flap control, auxiliary units controlled according to demand, map-controlled oil pump, final drive unit with optimised warm-up phase properties, tyres with reduced rolling resistance	
Fuel consumption in EU cycle			
total (WLTP)		l/100	6.0 - 5.3
CO ₂ (WLTP)		g/km	135 - 121
Emission rating		Euro 6e	
CO ₂ class(es)		D	

Technical specifications valid for ACEA markets / registration-related data only relevant to Germany (weights)

¹⁾ Oil change amount

²⁾ Is made up of combustion engine drive (stated nominal value) and electric drive (up to stated nominal value)

Fuel consumption, CO₂ emission figures and power consumption as well as electric range were measured using the methods required according to Regulation VO (EC) 715/2007 as amended. Where a range is shown, the WLTP figures take into account the impact of any optional extras.

Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.de/wltp can be found.

BMW 1 Series. M135 xDrive.

BMW M135 xDrive		
Body		
Number of doors/seats		5 / 5
Length/width/height (empty)	mm	4361 / 1800 / 1459
Wheelbase	mm	2670
Track width, front/rear	mm	1562 / 1562
Ground clearance	mm	156
Turning circle	m	11.7
Fuel tank capacity	approx. l	49
Engine oil ¹⁾	l	5.25
Weight unladen, acc. to DIN/EU	kg	1550 / 1625
Payload according to DIN	kg	550
Permitted total weight	kg	2100
Permitted axle loads, front/rear	kg	1105 / 1045
Perm. trailer load (12%) braked/unbraked	kg	²⁾ / 750
Max. roofload/towbar download	kg	75 / 75
Luggage compartment capacity	l	380 - 1200
Air resistance	cx	²⁾
Engine		
Type/no. of cylinders/valves		in-line / 4 / 4
Engine technology	M TwinPower Turbo Technology: Turbocharger, dual injection with direct injection High Precision Injection and intake pipe fuel injection, variable valve control VALVETRONIC, variable camshaft control double VANOS	
Displacement, effective	cc	1998
Stroke/bore	mm	94.6 / 82.0
Compression	:1	9.5
Fuel		min RON 91
Nominal power output	kW/hp	221 / 300
at engine speed	rpm	5750 - 6500
Nominal torque	Nm	400
at engine speed	rpm	2000 - 4500
Power output per litre	kW/l	110.6
Electrical system		
Battery/installation	Ah / –	60 / engine compartment
Driving dynamics and safety		
Front wheel suspension	Single-joint spring-strut-type axle in aluminium-steel lightweight construction, M specific elastokinematics	
Rear wheel suspension	Three-joint axle in lightweight steel construction, M specific elastokinematics	
Brakes, front	Four-piston, fixed-calliper disc brakes, ventilated	
Brakes, rear	Single-piston, floating-calliper disc brakes, ventilated	
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, DSC linked with xDrive all-wheel drive, mechanical differential lock at the front, Adaptive M Suspension	
Safety equipment	Standard: Airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for the front and rear seat row, interaction airbag between driver and front passenger, three-point inertia-reel seat belts on all seats, front with belt tensioner and seat belt force limiter, crash sensors, tyre pressure display	
Steering	Electromechanical power steering (EPS) with Servotronic function, sport steering	
Overall steering ratio	:1	15.3
Tyres, front/rear		225/45 R18 95Y XL
Wheel rims, front/rear		8J x 18 light-alloy

BMW M135 xDrive			
Transmission			
Transmission type		7-speed Steptronic transmission with dual clutch	
Gear ratio	I	:1	16.991
	II	:1	10.588
	III	:1	7.076
	IV	:1	4.910
	V	:1	4.001
	VI	:1	3.273
	VII	:1	2.522
	R	:1	16.323
Driving performance figures			
Weight-to-power ratio (DIN)		kg/kW	7.0
Acceleration 0-100 km/h		s	4.9
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics measures as standard		Brake energy recuperation with recuperation indicator, Auto Start Stop function, PERSONAL and EFFICIENT modes with coasting function, Route-ahead Assistant, optimum shift indicator in manual shift mode, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air-flap control, auxiliary units controlled according to demand, map-controlled oil pump, efficiency-optimised all-wheel drive, final drive unit with optimised warm-up phase properties, tyres with reduced rolling resistance	
Fuel consumption in EU cycle			
total (WLTP)		l/100	8.1 - 7.6
CO ₂ (WLTP)		g/km	184 - 173
Emission rating		Euro 6e	
CO ₂ class(es)		G - F	

Technical specifications valid for ACEA markets / registration-related data only relevant to Germany (weights)

¹⁾ Oil change amount
²⁾ Data not yet available

BMW 1 Series. 120d.

BMW 120d		
Body		
Number of doors/seats		5 / 5
Length/width/height (empty)	mm	4361 / 1800 / 1459
Wheelbase	mm	2670
Track width, front/rear	mm	1561 / 1562
Ground clearance	mm	156
Turning circle	m	11.7
Fuel tank capacity	approx. l	49
Engine oil ¹⁾	l	6.5
Weight unladen, acc. to DIN/EU	kg	1495 / 1570
Payload according to DIN	kg	565
Permitted total weight	kg	2060
Permitted axle loads, front/rear	kg	1100 / 1025
Perm. trailer load (12%) braked/unbraked	kg	1300 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage compartment capacity	l	300 - 1135
Air resistance	c _x	0.27
Drive		
Engine technology	BMW TwinPower Turbo Technology: Multi-stage turbocharging, high and low-pressure charger with variable inlet geometry, common-rail direct injection with solenoid valve injectors (max. injection pressure: 2500 bar), 48-volt mild hybrid technology with an electric motor integrated into the transmission	
Power output / total ²⁾	kW/hp	120 / 163
Torque / total ²⁾	Nm	400
Diesel engine		
Type/no. of cylinders/valves		in-line / 4 / 4
Displacement, effective	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression	:1	16.5
Fuel		Diesel
Nominal power output	kW/hp	110 / 150
at engine speed	rpm	3750 - 4000
Nominal torque	Nm	360
at engine speed	rpm	1500 - 2500
Power output per litre	kW/l	55.1
Electric motor		
Nominal power output	kW/hp	15 / 20
Nominal torque	Nm	55
Electrical system		
12 volt battery/installation	Ah / –	60 / engine compartment
48 volt battery/installation	Ah / –	20 / Luggage compartment
Driving dynamics and safety		
Front wheel suspension	Single-joint spring-strut-type axle in aluminium-steel lightweight construction	
Rear wheel suspension	Three-joint 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), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Performance Control, Dry Brake Function, Fade Compensation, Hill Start Control, 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 for the front and rear seat row, interaction airbag between driver and front passenger, three-point inertia-reel seat belts on all seats, front with belt tensioner and seat belt force limiter, crash sensors, tyre pressure display	
Steering	Electromechanical power steering (EPS) with Servotronic function, optional: M sport steering	
Overall steering ratio	:1	15.3
Tyres, front/rear		205/55 R17 95Y XL
Wheel rims, front/rear		7.5J × 17 light-alloy

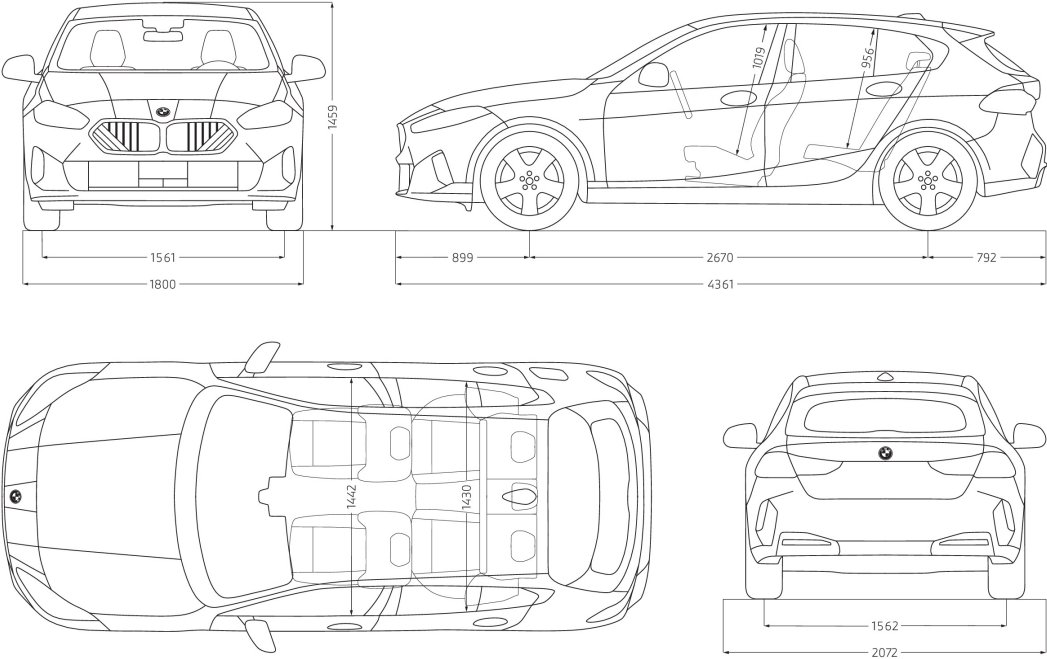
BMW 120d			
Transmission			
Transmission type		7-speed Steptronic transmission with dual clutch	
Gear ratio	I	:1	14.964
	II	:1	8.776
	III	:1	5.456
	IV	:1	3.741
	V	:1	2.972
	VI	:1	2.337
	VII	:1	1.900
	R	:1	13.441
Driving performance figures			
Weight-to-power ratio (DIN)		kg/kW	12.5
Acceleration	0-100 km/h	s	7.9
Top speed		km/h	222
BMW EfficientDynamics			
BMW EfficientDynamics measures as standard		Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, electromechanical power steering, Auto Start Stop function, optimum shift indicator in manual shift mode, PERSONAL and EFFICIENT modes with coasting function, Route-ahead Assistant, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, map-controlled oil pump, efficiency-optimised all-wheel drive, final drive unit with optimised warm-up properties, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter	
Fuel consumption in EU cycle			
total (WLTP)		l/100	4.8 - 4.3
CO ₂ (WLTP)		g/km	125 - 112
Emission rating		Euro 6e	
CO ₂ class(es)		D - C	

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¹⁾ Oil change amount

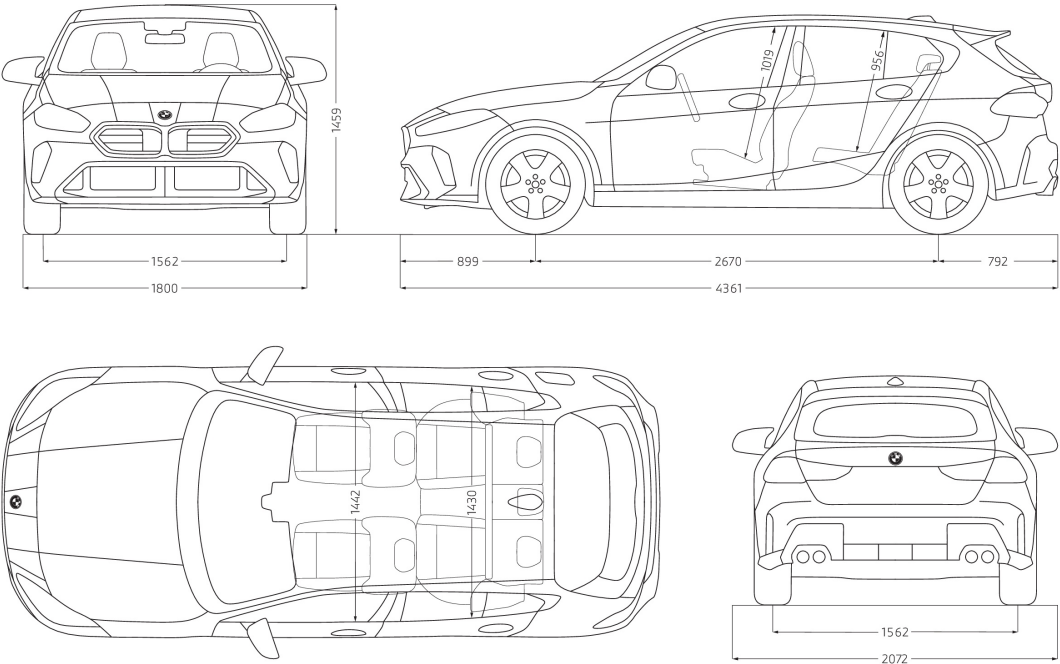
²⁾ Is made up of combustion engine drive (stated nominal value) and electric drive (up to stated nominal value)

Exterior and interior dimensions. BMW 1 Series.



The dimensions in the technical drawing are in millimetres and may vary depending on the model and the optional equipment.

BMW 1 Series. M135 xDrive



The dimensions in the technical drawing are in millimetres and may vary depending on the model and the optional equipment.