

Specifications.

BMW 1 Series.

116i.



BMW 116i		
Body		
No. of doors/seats		5 / 5
Length/width/height (unladen)	mm	4319 / 1799 / 1434
Wheelbase	mm	2670
Track, front/rear	mm	1565 / 1565
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	42
Engine oil ¹⁾	ltr	4.5
Weight, unladen, to DIN/EU	kg	1320 / 1395 (1340 / 1415)
Max. load to DIN	kg	530 (530)
Max. permissible weight	kg	1850 (1870)
Max. axle load, front/rear	kg	980 / 940 (1005 / 940)
Max. trailer load, braked (12%/unbraked)	kg	1100 / 695 (1100 / 705)
Max. roof load/towbar download	kg	75 / 75
Luggage comp. capacity	ltr	380 – 1200
Air resistance	C _d x A	0.27 x 2.19
Engine		
Config./No. of cyls./valves		in-line / 3 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm ³	1499
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min. RON 91
Output	kW/hp	80 / 109
at	rpm	4300 – 6500
Torque	Nm	190
at	rpm	1380 – 3800
Electrical System		
Battery/Installation	Ah/–	60 / engine comp.
Driving Dynamics and Safety		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
Brakes, front		Single-piston floating-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous wheel slip limitation), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control; optional: M Sport suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		205/55 R16 91W
Rims, front/rear		7J x 16

BMW 116i			
Transmission			
Type of gearbox	Six-speed manual (seven-speed Steptronic dual-clutch transmission)		
Gear ratios	I	:1	3.615 (16.324)
	II	:1	1.952 (9.773)
	III	:1	1.241 (6.558)
	IV	:1	0.969 (4.983)
	V	:1	0.806 (4.129)
	VI	:1	0.683 (3.344)
	VII	:1	– (2.747)
	R	:1	3.538 (14.968)
Final drive		:1	3.882 (3.789)
Performance			
Power-to-weight ratio (DIN)	kg/kW		16.5 (16.8)
Output per litre	kWh/l		53.4
Acceleration 0–100 km/h	s		10.6 (10.6)
in 5 th gear 80–120 km/h	s		12.6 (–)
Top speed	km/h		200 (200)
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT 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		
Fuel consumption EU cycle			
Urban	ltr/100 km		7.0 – 6.8 (6.1 – 5.8)
Extra-urban	ltr/100 km		5.1 – 4.6 (5.0 – 4.6)
Combined	ltr/100 km		5.8 – 5.4 (5.5 – 5.1)
CO ₂	g/km		133 – 124 (125 – 116)
Emission rating			Euro 6d

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)
Figures in brackets are for vehicles with automatic transmission

¹⁾ Oil change volume

The values for fuel consumption, CO₂ emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO₂-emissions the CO₂ values may differ to the values stated here.

BMW 1 Series. 118i.

BMW 118i		
Body		
No. of doors/seats		5 / 5
Length/width/height (unladen)	mm	4319 / 1799 / 1434
Wheelbase	mm	2670
Track, front/rear	mm	1561 / 1561
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	42
Engine oil ¹⁾	ltr	4.5
Weight, unladen, to DIN/EU	kg	1290 / 1365 (1320 / 1395)
Max. load to DIN	kg	555 (550)
Max. permissible weight	kg	1845 (1870)
Max. axle load, front/rear	kg	980 / 940 (1005 / 940)
Max. trailer load, braked (12%/unbraked)	kg	1300 / 680 (1300 / 695)
Max. roof load/towbar download	kg	75 / 75
Luggage comp. capacity	ltr	380 – 1200
Air resistance	C _d x A	0.26 x 2.19
Engine		
Config./No. of cyls./valves		in-line / 3 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm ³	1499
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min. RON 91
Output	kW/hp	100 / 136
at	rpm	4500 – 6500
Torque	Nm	220
at	rpm	1500 – 4100
Electrical System		
Battery/Installation	Ah/–	60 / engine comp.
Driving Dynamics and Safety		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
Brakes, front		Single-piston floating-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous wheel slip limitation), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control; optional: M Sport suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		205/55 R16 91W
Rims, front/rear		7J x 16 LM

BMW 118i			
Transmission			
Type of gearbox	Six-speed manual (seven-speed Steptronic dual-clutch transmission)		
Gear ratios	I	:1	3.615 (16.385)
	II	:1	1.952 (9.664)
	III	:1	1.179 (6.181)
	IV	:1	0.853 (4.327)
	V	:1	0.711 (3.349)
	VI	:1	0.585 (2.663)
	VII	:1	– (2.158)
	R	:1	3.538 (14.898)
Final drive		:1	4.118 (3.944)
Performance			
Power-to-weight ratio (DIN)	kg/kW		12.9 (13.2)
Output per litre	kWh/l		66.7
Acceleration 0–100 km/h	s		8.9 (8.8)
in 5 th gear 80–120 km/h	s		10.6 (–)
Top speed	km/h		213 (213)
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT 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		
Fuel consumption EU cycle			
Urban	ltr/100 km		7.5 – 7.1 (6.5 – 5.9)
Extra-urban	ltr/100 km		4.9 – 4.5 (4.6 – 4.3)
Combined	ltr/100 km		5.9 – 5.5 (5.3 – 4.9)
CO ₂	g/km		135 – 126 (121 – 113)
Emission rating			Euro 6d

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)
Figures in brackets are for vehicles with automatic transmission

¹⁾ Oil change volume

The values for fuel consumption, CO₂ emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO₂-emissions the CO₂ values may differ to the values stated here.

BMW 1 Series. 120i.

BMW 120i		
Body		
No. of doors/seats		5 / 5
Length/width/height (unladen)	mm	4319 / 1799 / 1434
Wheelbase	mm	2670
Track, front/rear	mm	1561 / 1561
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	50
Engine oil ¹⁾	ltr	5.25
Weight, unladen, to DIN/EU	kg	1390 / 1465
Max. load to DIN	kg	530
Max. permissible weight	kg	1920
Max. axle load, front/rear	kg	1035 / 955
Max. trailer load, braked (12%/unbraked)	kg	1300 / 730
Max. roof load/towbar download	kg	75 / 75
Luggage comp. capacity	ltr	380 – 1200
Air resistance	C _d x A	0.28 x 2.19
Engine		
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	cm ³	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min. RON 91
Output	kW/hp	131 / 178
at	rpm	5000 – 5500
Torque	Nm	280
at	rpm	1350 – 4200
Electrical System		
Battery/Installation	Ah/–	70 / engine comp.
Driving Dynamics and Safety		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
Brakes, front		Single-piston floating-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous wheel slip limitation), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control; optional: M Sport suspension, adaptive suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		225/45 R17 94Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 120i

Transmission

Type of gearbox	Seven-speed Steptronic dual-clutch transmission		
Gear ratios	I	:1	15.304
	II	:1	9.026
	III	:1	5.735
	IV	:1	4.015
	V	:1	3.108
	VI	:1	2.487
	VII	:1	2.016
	R	:1	13.825
Final drive		:1	3.684

Performance

Power-to-weight ratio (DIN)	kg/kW	10.6
Output per litre	kWh/l	65.6
Acceleration 0–100 km/h	s	7.0
Top speed	km/h	235

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, 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
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Fuel consumption EU cycle

Urban	ltr/100 km	7.0 – 6.9
Extra-urban	ltr/100 km	5.1 – 4.6
Combined	ltr/100 km	5.8 – 5.5
CO ₂	g/km	134 – 126
Emission rating		Euro 6d

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

¹⁾ Oil change volume

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BMW 1 Series. 128ti.

BMW 128ti		
Body		
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
Tank capacity	approx. ltr	50
Engine oil ¹⁾	ltr	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. roof load/towbar download	kg	75 / -
Luggage comp. capacity	ltr	380 – 1200
Air resistance	C _d x A	0.32 x 2.19
Engine		
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	cm ³	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	9.5
Fuel		min. RON 91
Output	kW/hp	195 / 265
at	rpm	4750 – 6500
Torque	Nm	400
at	rpm	1750 – 4500
Electrical System		
Battery/Installation	Ah/-	70 / engine comp.
Driving Dynamics and Safety		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
Brakes, front		Four piston fixed-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous 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, front axle with mechanical differential lock
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function
Steering ratio, overall	:1	15.0
Tyres, front/rear		225/40 R18 92Y XL
Rims, front/rear		8J x 18 light-alloy

BMW 128ti			
Transmission			
Type of gearbox	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
Performance			
Power-to-weight ratio (DIN)	kg/kW		7.4
Output per litre	kW/l		97.6
Acceleration 0–100 km/h	s		6.1
Top speed	km/h		250
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, 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		
Fuel consumption EU cycle			
Urban	ltr/100 km		7.7 – 7.5
Extra-urban	ltr/100 km		5.7 – 5.2
Combined	ltr/100 km		6.4 – 6.1
CO ₂	g/km		148 – 139
Emission rating			Euro 6d

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¹⁾ Oil change volume

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BMW 1 Series. M135i xDrive.

BMW M135i xDrive		
Body		
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
Tank capacity	approx. ltr	50
Engine oil ¹⁾	ltr	5.25
Weight, unladen, to DIN/EU	kg	1525 / 1600
Max. load to DIN	kg	560
Max. permissible weight	kg	2085
Max. axle load, front/rear	kg	1120 / 1020
Max. trailer load, braked (12%/unbraked)	kg	- / -
Max. roof load/towbar download	kg	75 / -
Luggage comp. capacity	ltr	380 – 1200
Air resistance	C _d x A	0.34 x 2.19
Engine		
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	cm ³	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	9.5
Fuel		min. RON 91
Output	kW/hp	225 / 306
at	rpm	5000 – 6250
Torque	Nm	450
at	rpm	1800 – 4500
Electrical System		
Battery/Installation	Ah/-	70 / engine comp.
Driving Dynamics and Safety		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
Brakes, front		Four piston fixed-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous 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, front axle with mechanical differential lock, xDrive all-wheel-drive system networked with DSC; optional: adaptive suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function, model specific M Sport steering
Steering ratio, overall	:1	14.0
Tyres, front/rear		225/40 R18 92Y XL
Rims, front/rear		8J x 18 light-alloy

BMW M135i xDrive			
Transmission			
Type of gearbox	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	3.075
Performance			
Power-to-weight ratio (DIN)	kg/kW		6.8
Output per litre	kW/l		112.6
Acceleration 0–100 km/h	s		4.8
Top speed	km/h		250
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, 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, efficiency-optimised all-wheel drive, tyres with reduced rolling resistance		
Fuel consumption EU cycle			
Urban	ltr/100 km		8.2 – 7.5
Extra-urban	ltr/100 km		5.9 – 5.6
Combined	ltr/100 km		6.7 – 6.3
CO ₂	g/km		155 – 145
Emission rating			Euro 6d

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¹⁾ Oil change volume

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BMW 1 Series. 116d.

BMW 116d		
Body		
No. of doors/seats		5 / 5
Length/width/height (unladen)	mm	4319 / 1799 / 1434
Wheelbase	mm	2670
Track, front/rear	mm	1565 / 1565
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	42
Engine oil ¹⁾	ltr	4.8
Weight, unladen, to DIN/EU	kg	1375 / 1450 (1385 / 1460)
Max. load to DIN	kg	550 (555)
Max. permissible weight	kg	1925 (1940)
Max. axle load, front/rear	kg	1025 / 980 (1040 / 980)
Max. trailer load, braked (12%/unbraked)	kg	1025 / 980 (1040 / 980)
Max. roof load/towbar download	kg	75 / 75
Luggage comp. capacity	ltr	380 – 1200
Air resistance	C _d x A	0.26 x 2.19
Engine		
Config./No. of cyls./valves		in-line / 3 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with solenoid injectors (max. injection pressure: 2200 bar)
Effective capacity	cm ³	1496
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	85 / 116
at	rpm	4000
Torque	Nm	270
at	rpm	1750 – 2250
Electrical System		
Battery/Installation	Ah/–	70 / engine comp.
Driving Dynamics and Safety		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
Brakes, front		Single-piston floating-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous wheel slip limitation), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control; optional: M Sport suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		205/55 R16 91W
Rims, front/rear		7J x 16 light-alloy

BMW 116d

Transmission

Type of gearbox	Six-speed manual (seven-speed Steptronic dual-clutch transmission)		
Gear ratios	I	:1	3.923 (16.385)
	II	:1	2.136 (9.664)
	III	:1	1.276 (6.181)
	IV	:1	0.919 (4.327)
	V	:1	0.725 (3.349)
	VI	:1	0.605 (2.663)
	VII	:1	– (2.158)
	R	:1	3.538 (14.898)
Final drive		:1	3.389 (3.944)

Performance

Power-to-weight ratio (DIN)	kg/kW	16.2 (16.3)
Output per litre	kWh/l	56.8
Acceleration 0–100 km/h	s	10.3 (10.1)
in 5 th gear 80–120 km/h	s	11.5 (–)
Top speed	km/h	200 (200)

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function (with automatic transmission), BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behavior, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter
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Fuel consumption EU cycle

Urban	ltr/100 km	4.9 – 4.4 (4.4 – 4.2)
Extra-urban	ltr/100 km	3.8 – 3.4 (3.9 – 3.6)
Combined	ltr/100 km	4.2 – 3.8 (4.1 – 3.8)
CO ₂	g/km	110 – 100 (108 – 99)
Emission rating		Euro 6d

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)
Figures in brackets are for vehicles with automatic transmission

¹⁾ Oil change volume

The values for fuel consumption, CO₂ emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO₂-emissions the CO₂ values may differ to the values stated here.

BMW 1 Series. 118d.

BMW 118d		
Body		
No. of doors/seats		5 / 5
Length/width/height (unladen)	mm	4319 / 1799 / 1434
Wheelbase	mm	2670
Track, front/rear	mm	1561 / 1561
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	42
Engine oil ¹⁾	ltr	5.5
Weight, unladen, to DIN/EU	kg	1405 / 1480 (1430 / 1505)
Max. load to DIN	kg	545 (550)
Max. permissible weight	kg	1950 (1980)
Max. axle load, front/rear	kg	1050 / 980 (1080 / 980)
Max. trailer load, braked (12%/unbraked)	kg	1300 / 740 (1300 / 750)
Max. roof load/towbar download	kg	75 / 75
Luggage comp. capacity	ltr	380 – 1200
Air resistance	C _d x A	0.26 x 2.19
Engine		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common rail direct fuel injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective capacity	cm ³	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	110 / 150
at	rpm	4000
Torque	Nm	350
at	rpm	1750 – 2500
Electrical System		
Battery/Installation	Ah/–	70 / engine comp.
Driving Dynamics and Safety		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
Brakes, front		Single-piston floating-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous wheel slip limitation), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control; optional: M Sport suspension, Adaptive suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		205/55 R16 91W
Rims, front/rear		7J x 16 LM

BMW 118d			
Transmission			
Type of gearbox	Six-speed manual (8-speed Steptronic transmission)		
Gear ratios	I	:1	3.923 (5.519)
	II	:1	2.136 (3.184)
	III	:1	1.276 (2.050)
	IV	:1	0.919 (1.492)
	V	:1	0.725 (1.235)
	VI	:1	0.605 (1.000)
	VII	:1	– (0.801)
	VIII	:1	– (0.673)
	R	:1	3.538 (4.221)
Final drive		:1	3.389 (2.666)
Performance			
Power-to-weight ratio (DIN)	kg/kW		12.8 (13.0)
Output per litre	kW/l		55.1
Acceleration 0–100 km/h	s		8.5 (8.4)
in 5 th gear 80–120 km/h	s		8.4 (–)
Top speed	km/h		218 (216)
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function (with automatic transmission), BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behavior, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter		
Fuel consumption EU cycle			
Urban	ltr/100 km		5.3 – 4.9 (5.0 – 4.7)
Extra-urban	ltr/100 km		4.0 – 3.7 (4.1 – 3.8)
Combined	ltr/100 km		4.5 – 4.1 (4.4 – 4.1)
CO ₂	g/km		117 – 108 (117 – 108)
Emission rating			Euro 6d

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)
Figures in brackets are for vehicles with automatic transmission

¹⁾ Oil change volume

The values for fuel consumption, CO₂ emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

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BMW 1 Series. 120d.

BMW 120d		
Body		
No. of doors/seats		5 / 5
Length/width/height (unladen)	mm	4319 / 1799 / 1434
Wheelbase	mm	2670
Track, front/rear	mm	1561 / 1561
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	50
Engine oil ¹⁾	ltr	5.5
Weight, unladen, to DIN/EU	kg	1450 / 1525
Max. load to DIN	kg	550
Max. permissible weight	kg	2000
Max. axle load, front/rear	kg	1085 / 985
Max. trailer load, braked (12%/unbraked)	kg	1300 / 750
Max. roof load/towbar download	kg	75 / 75
Luggage comp. capacity	ltr	380 – 1200
Air resistance	C _d x A	0.26 x 2.19
Engine		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common rail direct fuel injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective capacity	cm ³	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	140 / 190
at	rpm	4000
Torque	Nm	400
at	rpm	1750 – 2500
Electrical System		
Battery/Installation	Ah/–	70 / engine comp.
Driving Dynamics and Safety		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
Brakes, front		Single-piston floating-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous wheel slip limitation), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control; optional: M Sport suspension, Adaptive suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		225/45 R17 94Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 120d			
Transmission			
Type of gearbox	8-speed Steptronic 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	2.666
Performance			
Power-to-weight ratio (DIN)	kg/kW		10.4
Output per litre	kW/l		70.2
Acceleration 0–100 km/h	s		7.3
Top speed	km/h		231
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behavior, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter		
Fuel consumption EU cycle			
Urban	ltr/100 km		5.3 – 4.9
Extra-urban	ltr/100 km		4.2 – 3.9
Combined	ltr/100 km		4.6 – 4.3
CO ₂	g/km		121 – 112
Emission rating			Euro 6d

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

¹⁾ Oil change volume

The values for fuel consumption, CO₂ emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

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BMW 1 Series. 120d xDrive.

BMW 120d xDrive		
Body		
No. of doors/seats		5 / 5
Length/width/height (unladen)	mm	4319 / 1799 / 1434
Wheelbase	mm	2670
Track, front/rear	mm	1561 / 1561
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	50
Engine oil ¹⁾	ltr	5.5
Weight, unladen, to DIN/EU	kg	1515 / 1590
Max. load to DIN	kg	550
Max. permissible weight	kg	2065
Max. axle load, front/rear	kg	1105 / 1020
Max. trailer load, braked (12%/unbraked)	kg	1500 / 750
Max. roof load/towbar download	kg	75 / 75
Luggage comp. capacity	ltr	380 – 1200
Air resistance	C _d x A	0.27 x 2.19
Engine		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common rail direct fuel injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective capacity	cm ³	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	140 / 190
at	rpm	4000
Torque	Nm	400
at	rpm	1750 – 2500
Electrical System		
Battery/Installation	Ah/–	70 / engine comp.
Driving Dynamics and Safety		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
Brakes, front		Single-piston floating-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous wheel slip limitation), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control, xDrive all-wheel-drive system networked with DSC; optional: M Sport suspension, Adaptive suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		225/45 R17 94Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 120d xDrive			
Transmission			
Type of gearbox	8-speed Steptronic 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	2.666
Performance			
Power-to-weight ratio (DIN)	kg/kW		10.8
Output per litre	kW/l		70.2
Acceleration 0–100 km/h	s		7.0
Top speed	km/h		230
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behavior, efficiency-optimised all-wheel drive, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter		
Fuel consumption EU cycle			
Urban	ltr/100 km		5.4 – 5.1
Extra-urban	ltr/100 km		4.4 – 4.1
Combined	ltr/100 km		4.8 – 4.5
CO ₂	g/km		126 – 118
Emission rating			Euro 6d

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

¹⁾ Oil change volume

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