

# Specifications.

## BMW 1 Series.

### 116i.



<b>BMW 116i</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	1565 / 1565
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	42
Engine oil <sup>1)</sup>	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 <sub>d</sub> x A	0.27 x 2.19
<b>Engine</b>		
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 <sup>3</sup>	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
<b>Electrical System</b>		
Battery/Installation	Ah/–	60 / engine comp.
<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 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

<b>BMW 116i</b>			
<b>Transmission</b>			
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)
<b>Performance</b>			
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 <sup>th</sup> gear 80–120 km/h	s		12.6 (–)
Top speed	km/h		200 (200)
<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 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		
<b>Fuel consumption EU cycle</b>			
Urban (NEDC)	ltr/100 km		7.0 – 6.8 (6.1 – 5.8)
Extra-urban (NEDC)	ltr/100 km		5.1 – 4.6 (5.0 – 4.6)
Combined (NEDC)	ltr/100 km		5.8 – 5.4 (5.5 – 5.1)
Combined (WLTP)	ltr/100 km		6.6 – 5.7 (6.8 – 5.8)
CO <sub>2</sub> (NEDC)	g/km		133 – 124 (125 – 116)
CO <sub>2</sub> (WLTP)	g/km		151 – 129 (155 – 132)
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

<sup>1)</sup> Oil change volume

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW 1 Series. 118i.

<b>BMW 118i</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	1561 / 1561
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	42
Engine oil <sup>1)</sup>	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 <sub>d</sub> x A	0.26 x 2.19
<b>Engine</b>		
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 <sup>3</sup>	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
<b>Electrical System</b>		
Battery/Installation	Ah/–	60 / engine comp.
<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 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

<b>BMW 118i</b>			
<b>Transmission</b>			
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)
<b>Performance</b>			
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 <sup>th</sup> gear 80–120 km/h	s		10.6 (–)
Top speed	km/h		213 (213)
<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 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		
<b>Fuel consumption EU cycle</b>			
Urban (NEDC)	ltr/100 km		7.5 – 7.1 (6.5 – 5.9)
Extra-urban (NEDC)	ltr/100 km		4.9 – 4.5 (4.6 – 4.3)
Combined (NEDC)	ltr/100 km		5.9 – 5.5 (5.3 – 4.9)
Combined (WLTP)	ltr/100 km		6.6 – 5.7 (6.6 – 5.7)
CO <sub>2</sub> (NEDC)	g/km		135 – 126 (121 – 113)
CO <sub>2</sub> (WLTP)	g/km		151 – 129 (151 – 129)
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

<sup>1)</sup> Oil change volume

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW 1 Series. 120i.

<b>BMW 120i</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	1561 / 1561
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	50
Engine oil <sup>1)</sup>	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 <sub>d</sub> x A	0.28 x 2.19
<b>Engine</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	cm <sup>3</sup>	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
<b>Electrical System</b>		
Battery/Installation	Ah/–	70 / engine comp.
<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 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 (NEDC)	ltr/100 km	7.0 – 6.9
Extra-urban (NEDC)	ltr/100 km	5.1 – 4.6
Combined (NEDC)	ltr/100 km	5.8 – 5.5
Combined (WLTP)	ltr/100 km	6.9 – 6.0
CO <sub>2</sub> (NEDC)	g/km	134 – 126
CO <sub>2</sub> (WLTP)	g/km	157 – 137
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 volume

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW 1 Series. 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
Tank capacity	approx. ltr	50
Engine oil <sup>1)</sup>	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 <sub>d</sub> x A	0.32 x 2.19
<b>Engine</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	cm <sup>3</sup>	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
<b>Electrical System</b>		
Battery/Installation	Ah/-	70 / engine comp.
<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 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

<b>BMW 128ti</b>			
<b>Transmission</b>			
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
<b>Performance</b>			
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
<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 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		
<b>Fuel consumption EU cycle</b>			
Urban (NEDC)	ltr/100 km		7.7 – 7.5
Extra-urban (NEDC)	ltr/100 km		5.7 – 5.2
Combined (NEDC)	ltr/100 km		6.4 – 6.1
Combined (WLTP)	ltr/100 km		7.5 – 6.9
CO <sub>2</sub> (NEDC)	g/km		148 – 139
CO <sub>2</sub> (WLTP)	g/km		170 – 157
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 volume

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).



# BMW 1 Series. M135i xDrive.

<b>BMW M135i xDrive</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
Tank capacity	approx. ltr	50
Engine oil <sup>1)</sup>	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 <sub>d</sub> x A	0.34 x 2.19
<b>Engine</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	cm <sup>3</sup>	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
<b>Electrical System</b>		
Battery/Installation	Ah/-	70 / engine comp.
<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 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
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**Fuel consumption EU cycle**

Urban (NEDC)	ltr/100 km	8.2 – 7.5
Extra-urban (NEDC)	ltr/100 km	5.9 – 5.6
Combined (NEDC)	ltr/100 km	6.7 – 6.3
Combined (WLTP)	ltr/100 km	7.8 – 7.3
CO <sub>2</sub> (NEDC)	g/km	155 – 145
CO <sub>2</sub> (WLTP)	g/km	178 – 167
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 volume

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW 1 Series. 116d.

<b>BMW 116d</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	1565 / 1565
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	42
Engine oil <sup>1)</sup>	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	1300 / 725 (1300 / 730)
Max. roof load/towbar download	kg	75 / 75
Luggage comp. capacity	ltr	380 – 1200
Air resistance	C <sub>d</sub> x A	0.26 x 2.19
<b>Engine</b>		
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 <sup>3</sup>	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
<b>Electrical System</b>		
Battery/Installation	Ah/–	70 / engine comp.
<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 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

<b>BMW 116d</b>			
<b>Transmission</b>			
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)
<b>Performance</b>			
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 <sup>th</sup> gear 80–120 km/h	s		11.5 (–)
Top speed	km/h		200 (200)
<b>BMW EfficientDynamics</b>			
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		
<b>Fuel consumption EU cycle</b>			
Urban (NEDC)	ltr/100 km		4.9 – 4.4 (4.4 – 4.2)
Extra-urban (NEDC)	ltr/100 km		3.8 – 3.4 (3.9 – 3.6)
Combined (NEDC)	ltr/100 km		4.2 – 3.8 (4.1 – 3.8)
Combined (WLTP)	ltr/100 km		5.3 – 4.5 (5.3 – 4.6)
CO <sub>2</sub> (NEDC)	g/km		110 – 100 (108 – 99)
CO <sub>2</sub> (WLTP)	g/km		139 – 118 (139 – 119)
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

<sup>1)</sup> Oil change volume

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW 1 Series. 118d.

<b>BMW 118d</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	1565 / 1565
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	42
Engine oil <sup>1)</sup>	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 <sub>d</sub> x A	0.26 x 2.19
<b>Engine</b>		
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 <sup>3</sup>	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
<b>Electrical System</b>		
Battery/Installation	Ah/–	70 / engine comp.
<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 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

<b>BMW 118d</b>			
<b>Transmission</b>			
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)
<b>Performance</b>			
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 <sup>th</sup> gear 80–120 km/h	s		8.4 (–)
Top speed	km/h		218 (216)
<b>BMW EfficientDynamics</b>			
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		
<b>Fuel consumption EU cycle</b>			
Urban (NEDC)	ltr/100 km		5.5 – 5.1 (5.2 – 4.8)
Extra-urban (NEDC)	ltr/100 km		4.3 – 3.9 (4.3 – 4.0)
Combined (NEDC)	ltr/100 km		4.7 – 4.4 (4.7 – 4.3)
Combined (WLTP)	ltr/100 km		5.4 – 4.6 (5.6 – 4.8)
CO <sub>2</sub> (NEDC)	g/km		125 – 115 (123 – 113)
CO <sub>2</sub> (WLTP)	g/km		140 – 120 (146 – 126)
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

<sup>1)</sup> Oil change volume

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW 1 Series. 120d.

<b>BMW 120d</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	1561 / 1561
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	50
Engine oil <sup>1)</sup>	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 <sub>d</sub> x A	0.26 x 2.19
<b>Engine</b>		
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 <sup>3</sup>	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
<b>Electrical System</b>		
Battery/Installation	Ah/–	70 / engine comp.
<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 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

<b>BMW 120d</b>			
<b>Transmission</b>			
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
<b>Performance</b>			
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
<b>BMW EfficientDynamics</b>			
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		
<b>Fuel consumption EU cycle</b>			
Urban (NEDC)	ltr/100 km		5.0 – 4.8
Extra-urban (NEDC)	ltr/100 km		4.5 – 4.1
Combined (NEDC)	ltr/100 km		4.7 – 4.3
Combined (WLTP)	ltr/100 km		5.6 – 4.9
CO <sub>2</sub> (NEDC)	g/km		123 – 114
CO <sub>2</sub> (WLTP)	g/km		146 – 129
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 volume

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All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).



# BMW 1 Series. 120d xDrive.

<b>BMW 120d xDrive</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	1561 / 1561
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	50
Engine oil <sup>1)</sup>	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 <sub>d</sub> x A	0.27 x 2.19
<b>Engine</b>		
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 <sup>3</sup>	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
<b>Electrical System</b>		
Battery/Installation	Ah/–	70 / engine comp.
<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 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

<b>BMW 120d xDrive</b>			
<b>Transmission</b>			
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
<b>Performance</b>			
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
<b>BMW EfficientDynamics</b>			
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		
<b>Fuel consumption EU cycle</b>			
Urban (NEDC)	ltr/100 km		5.7 – 5.4
Extra-urban (NEDC)	ltr/100 km		4.7 – 4.3
Combined (NEDC)	ltr/100 km		5.1 – 4.7
Combined (WLTP)	ltr/100 km		5.8 – 5.1
CO <sub>2</sub> (NEDC)	g/km		133 – 124
CO <sub>2</sub> (WLTP)	g/km		152 – 134
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 volume

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All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).