

Specifications.

The new BMW 1 Series.

116i, 118i



BMW 116i		BMW 118i
Body		
No. of doors/seats	5 / 5	5 / 5
L/W/H ¹⁾ (unladen)	mm 4324 / 1765 / 1421	4324 / 1765 / 1421
Wheelbase	mm 2690	2690
Front/rear track	mm 1535 / 1569	1535 / 1569
Ground clearance	mm 140	140
Turning circle	m 10.9	10.9
Fuel capacity	approx. l 52	52
Cooling and heating system reservoir capacity	l 6.7 (7.2)	6.9 (7.2)
Engine oil capacity ²⁾	l 4.7	4.7
Weight, unladen (DIN/EU)	kg 1290 / 1365 (1310 / 1385)	1295 / 1370 (1315 / 1390)
Payload (DIN)	kg 530	530
Permitted total weight	kg 1820 (1840)	1825 (1845)
Permitted axle load, front/rear	kg 865 / 1040	870 / 1040
Permitted trailer load (12%) braked/unbraked	kg 1200 / 650	1200 / 670
Permitted roof load/trailer download	kg 75 / 75	75 / 75
Luggage compartment capacity	l 360 – 1200	360 – 1200
Aerodynamic drag	c _d x A 0.31 x 2.14	0.32 x 2.14
Engine		
Type/no. of cylinders/valves	in-line / 4 / 4	in-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology with twin-scroll turbocharger, HighPrecision Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control	
Effective capacity	cc 1598	1598
Stroke/bore	mm 85.8 / 77.0	85.8 / 77.0
Compression ratio	:1 10.5	10.5
Fuel type	min. RON 91	min. RON 91
Output	kW/hp 100 / 136	125 / 170
at rpm	min ⁻¹ 4400	4800
Torque (with overboost)	Nm 220 (240)	250
at rpm	min ⁻¹ 1350–4300 (1500–3500)	1500–4500
Electrical		
Battery charge/location	Ah/– 80 / luggage compartment	80 / luggage compartment
Alternator current/output	A/W 170 / 2380	170 / 2380
Driving Dynamics and Safety		
Front suspension	Aluminium double-joint cross-strut axle	
Rear suspension	Lightweight steel five-link with double elastic bearing	
Front brakes	Single-piston sliding-caliper disc brakes	
Diameter	mm ⁴⁾ /air-cooled	⁴⁾ /air-cooled
Rear brakes	Single-piston sliding-caliper disc brakes	
Diameter	mm ⁴⁾	⁴⁾
Driving stability systems	As standard: DSC inc. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, hill assist	
Safety equipment	As standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, front and rear head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre pressure warning	
Steering	Electromechanical power steering (EPS). Optional: Servotronic function, Variable Sport Steering	
Overall steering ratio	:1 15.0	15.0
Front/rear tyres	195/55 R16 87H	195/55 R16 87V
Front/rear wheels	6.5J x 16 steel	6.5J x 16 steel

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BMW ConnectedDrive				
Comfort		Optional: BMW Assist including information service, remote functions, Real-Time Traffic Information, BMW TeleServices, mobile device integration		
Information and entertainment		Optional: Internet connectivity, BMW Online including parking information, country information, Google business search, news, real-time weather, BMW Routes, office functions, Bluetooth audio streaming, online music title update, apps		
Safety		Optional: Adaptive Headlights with turning lights, variable light distribution, Adaptive Headlight range adjustment, high beam assistance, park distance control, reversing camera, cruise control with brake function, parking assistant, Lane Departure Warning with Collision Warning, speed limit and no passing information, extended emergency call		
Transmission				
Type of gearbox		6-speed manual (optional: 8-speed automatic with Steptronic)		
Gear ratios	I	:1	4.552 (4.714)	4.552 (4.714)
	II	:1	2.548 (3.143)	2.548 (3.143)
	III	:1	1.659 (2.106)	1.659 (2.106)
	IV	:1	1.230 (1.667)	1.230 (1.667)
	V	:1	1.000 (1.285)	1.000 (1.285)
	VI	:1	0.830 (1.000)	0.830 (1.000)
	VII	:1	– (0.839)	– (0.839)
	VIII	:1	– (0.667)	– (0.667)
	R	:1	4.138 (3.295)	4.138 (3.295)
Differential ratio		:1	2.813 (3.077)	3.077 (3.077)
Performance				
Weight-to-power ratio (DIN unladen)	kg/kW		12.9 (13.1)	10.4 (10.5)
Specific power output	kW/l		62.6	78.2
Acceleration	0–100 km/h	sec.	8.5 (9.1)	7.4 (7.5)
	0–1,000 m	sec.	29.8 (30.1)	27.9 (28.1)
in 4th/5th gear	80–120 km/h	sec.	8.6 / 10.6	7.3 / 8.8
Max. speed	km/h		210 (210)	225 (222)
BMW EfficientDynamics				
BMW EfficientDynamics Features included as standard		Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, gear shift indicator (manual), ECO PRO mode, intelligent lightweight construction, automatically disconnecting ancillary components, map-regulated oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance		
Fuel consumption (EU)³⁾				
With standard wheels and tyres				
Urban	l/100 km		7.1 (7.2)	7.5 (7.2)
Extra-urban	l/100 km		4.6 (4.7)	4.8 (4.7)
Total	l/100 km		5.5 (5.6)	5.8 (5.6)
CO ₂ emissions	g/km		129 (131)	134 (131)
With 7J x 16" rims and 205/55 R16 tyres, with 7J x 17" rims and 205/50 R17 tyres and winter tyres, With 7.5J x 17" rims and 225/45 R17 tyres, With 7.5J x 17" front rims, 8J x 17" rear rims, 225/45 R17 front tyres and 245/40 R17 rear tyres, With 7.5J x 18" front rims, 8J x 18" rear rims, 225/40 R18 front tyres and 245/35 R18 rear tyres				
Urban	l/100 km		7.2 (7.4)	7.6 (7.4)
Extra-urban	l/100 km		4.8 (4.8)	4.9 (4.8)
Combined	l/100 km		5.7 (5.8)	5.9 (5.8)
CO ₂ emissions	g/km		132 (134)	137 (134)
Emissions standard			EU5	EU5

Technical data valid for ACEA countries/Some permitted weights valid only for Germany
Figures in brackets are for vehicles with automatic transmission

¹⁾ Height with roof aerial: 1440 mm

²⁾ Oil change volume

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

⁴⁾ Not yet available