

Specifications.

The new BMW 1 Series 3 Door Hatch.

114i, 116i



		BMW 114i	BMW 116i
Body			
Number of doors/seats		3 / 4 (5)	3 / 4 (5)
Length/Width/Height ¹⁾ (unladen)	mm	4324 / 1765 / 1421	4324 / 1765 / 1421
Wheelbase	mm	2690	2690
Track front/rear	mm	1535 / 1569	1535 / 1569
Ground clearance	mm	140	140
Turning circle	m	10.9	10.9
Tank capacity	approx. l	52	52
Cooling system incl. heating	l	6.7	6.7 (7.2)
Engine oil ²⁾	l	4.7	4.7
Weight, unladen, to DINEU	kg	1285 / 1360	1285 / 1360 (1305 / 1380)
Max. load to DIN	kg	530	530
Max. perm. weight, overall	kg	1815	1815 (1835)
Max perm axle load front/rear	kg	865 / 1040	865 / 1040
Max perm trailer load (12%) braked/unbraked	kg	1200 / 650	1200 / 650
Perm roof load/trail download	kg	75 / 75	75 / 75
Luggage capacity	l	360 – 1200	360 – 1200
Air resistance	c _x x A	0.31 x 2.14	0.31 x 2.14
Engine			
Configuration/No. of cyls. /valves		R / 4 / 4	R / 4 / 4
Engine technology		BMW TwinPower Turbo technology with Twin Scroll turbocharger, direct injection system High Precision Injection, fully variable valve control (VALVETRONIC) and double VANOS variable camshaft timing	
Capacity	cc	1598	1598
Stroke/bore	mm	85.8 / 77.0	85.8 / 77.0
Compression ratio	:1	10.5	10.5
Fuel grade		At least ROZ 91	At least ROZ 91
Max output	kW/hp	75 / 102	100 / 136
at	rpm	4000	4400
Max torque	Nm	180	220
at	rpm	1100	1350
Electrical system			
Battery/installation	Ah/–	80 / luggage comp	80 / luggage comp
Alternator	A/W	170 / 2380	170 / 2380
Driving dynamics and safety			
Suspension, front		Double-joint spring-strut axle at the front, aluminium	
Suspension, rear		Five-link rear axle, light steel, with double elastic bearings	
Brakes, front		Single-piston floating-calliper disc brakes	
Diameter	mm	⁴⁾ / vented	⁴⁾ / vented
Brakes, rear		Single-piston floating-calliper disc brakes	
Diameter	mm	⁴⁾	⁴⁾
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant	
Safety features		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 integrated in the front seats, crash sensors, Tyre Defect Indicator	
Steering		Electric Power Steering (EPS), optional: Servotronic, variable sports steering	
Overall steering transmission	:1	15.0	15.0
Tyres front/rear		195/55 R16 87H	195/55 R16 87V
Wheels front/rear		6.5J x 16 steel	6.5J x 16 steel

7/2012

Valid from
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BMW ConnectedDrive				
Comfort		Optional: BMW Assist incl. Enquiry Service, remote-control functions, Real Time Traffic Information, BMW TeleServices, integration of mobile devices		
Infotainment		Optional: Internet access, BMW Online incl. Park Info, National Info, Google Local Search, News, Real-Time Weather, BMW Routes, Office functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps		
Safety		Optional: Adaptive Headlights with cornering lights, variable light distribution and adaptive headlight range control, High Beam Assistant, Park Distance Control, rear-view camera, Active Cruise Control with braking function, Parking Assistant, Lane Departure Warning with rear-end collision warning, Speed Limit Info incl. No Passing Info, Automatic/Advanced Emergency Call		
Transmission				
Type		Six-speed manual (BMW 116i: optional: eight-speed automatic with Steptronic)		
Gear ratios	I	:1	4.552	4.552 (4.714)
	II	:1	2.548	2.548 (3.143)
	III	:1	1.659	1.659 (2.106)
	IV	:1	1.230	1.230 (1.667)
	V	:1	1.000	1.000 (1.285)
	VI	:1	0.830	0.830 (1.000)
	VII	:1	–	– (0.839)
	VIII	:1	–	– (0.667)
	R	:1	4.138	4.138 (3.295)
Final drive		:1	2.813	2.813 (3.077)
Performance				
Power-to-weight ratio (DIN)	kg/kW	17.1	12.9 (13.1)	
Output per litre	kW/l	46.9	62.6	
Acceleration	0–100 km/h	s	11.2	8.5 (8.7)
	0–1000 m	s	32.7	29.8 (30.1)
In 4th gear	80–120 km/h	s	11.7 / 14.8	8.6 / 10.6
Top speed	km/h	195	210 (210)	
BMW EfficientDynamics				
BMW EfficientDynamics measures as standard		Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, gear shift indicator (manual transmission), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, tyres with reduced rolling resistance		
Fuel consumption EU ³⁾				
With standard wheels and tyres				
Urban	l/100 km	7.1	7.1 (7.2)	
Extra-urban	l/100 km	4.6	4.6 (4.7)	
Composite	l/100 km	5.5	5.5 (5.6)	
CO ₂	g/km	129	129 (131)	
With 7J x 16 wheels and 205/55 R16 tyres, with 7J x 17 wheels and 205/50 R 17 tyres and with winter tyres, With 7.5J x 17 wheels and 225/45 R17 tyres, With 7.5J x 17 wheels at front, 8J x 17 at the rear and 225/45 R17 tyres at front, 245/40 R17 at the rear, With 7.5J x 18 wheels at front, 8J x 18 at the rear and 225/40 R18 tyres at front, 245/35 R18 at the rear				
Urban	l/100 km	7.2	7.2 (7.4)	
Extra-urban	l/100 km	4.8	4.8 (4.8)	
Composite	l/100 km	5.7	5.7 (5.8)	
CO ₂	g/km	132	132 (134)	
Emissions classification		EU5	EU5	

Technical data valid for ACEA markets/part of data relevant to homologation only apply to Germany (weights)
Figures in parentheses apply to automatic transmission

¹⁾ Height including roof fin: 1440 mm

²⁾ Oil change quantity

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

⁴⁾ Information not yet available