BMW Media Information

9/2012

Valid from 11/2012

Specifications. BMW 3 Series Sedan.

316i



		BMW 316i
Body		
No. of doors/seats		4/5
LW/H 1) (unladen)	mm	4624 / 1811 / 1429
Wheelbase	mm	2810
Front/rear track	mm	1543 / 1583
Ground clearance	mm	140
Turning circle	m	11.3
Fuel capacity	approx. I	60
Cooling and heating system	арргол. Г	6.7 (7.1
reservoir capacity	1	0.7 (7.1)
Engine oil capacity 2)	-	4.7
Weight, unladen (DIN/EU)	kg	1485 / 1460
, , ,	· ·	(1405 / 1480)
Payload (DIN)	kg	550
Permitted total weight	kg	1935 (1955
Permitted axle load, front/rear	kg	885 / 1125
Permitted trailer load (12%)	kg	1500 / 695
braked/unbraked		
Permitted roof load/trailer	kg	75 / 75
download		
Luggage compartment capacity		480
Aerodynamic drag	c _c x A	0.27 x 2.20
Engine		
Type/no. of cylinders/valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology with twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control
Effective capacity	CC	1598
Stroke/bore	mm	85.8 / 77.0
Compression ratio	:1	10.5
Fuel type	• • •	min. RON 91
	IAM//ba	
Output	kW/hp min ⁻¹	
at rpm Torque	Nm	220
at rpm	min ⁻¹	1350
астрит		1000
Electrical		
Battery charge/location	Ah/–	90 / luggage compartment
Alternator current/output	A/W	170 / 2380
Driving Dynamics and Safety	y	
Front suspension	_	Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive
Rear suspension		Five-link axle in lightweight construction
Front brakes		Single-piston swing-calliper disc brakes
Diameter	mm	⁴⁾ /vented
Rear brakes		Single-piston swing-calliper disc brakes
Diameter	mm	⁴⁾ /vented
Driving stability systems		As standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control,
		brake drying function, fading compensation, start-off 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 defect indicator
Steering		Electromechanical rack-and-pinion power steering (EPS), optional: Servotronic function, Variable Sport Steering
		optional convenience fariotion, variable open decening
Overall steering ratio	:1	15.1
Overall steering ratio Front/rear tyres	:1	

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adaptive headlight range adjustment, high beam assistance, park distance control, rear view camera, Surround View incl. Side View and Top View, BMW Head-Up Display, cruise control with brake function, Parking Assistant, Lane Chance Warning, Lane Departure Warning with Collision Warning, speed limit and no passing information, Active Protection, extended emergency call Transmission	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 distribution, rear view camera, Surround View incl. Side View and Top View BMW Head-Up Display, cruise control with brake function, Parking Assistance Chance Warning, Lane Departure Warning with Collision Warning, limit and no passing information, Active Protection, extended emergency and the part of the part	
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Type of gearbox	Type of gearbox 6-speed manual (optional: 8-speed automatic with Steptronic)	tance liew, sistant, g, speed
Type of gearbox	Type of gearbox 6-speed manual (optional: 8-speed automatic with Steptronic) Gear ratios I :1 4.552 (II :1 2.548 (III :1 1.659 (IV :1 1.230 (V :1 1.000 (VI :1 0.830 (VII :1 - (VIII :1 - (R :1 4.138 (Differential ratio :1 3.077 (Performance Weight-to-power ratio (DIN unladen)	
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Weight-to-power ratio kg/kW 13.9 (14.1	Weight-to-power ratio kg/kW 13.9 (DIN unladen)	
Acceleration 0–100 km/h sec. 3.9 (9.2 cm.) 0–1,000 m sec. 3.0.0 (30.6 in 4th/5th gear 80–120 km/h sec. 9.4 / 11.5 Max. speed km/h 210 (210 cm.) Max. speed km/h 210 (210 cm.) BMW EfficientDynamics Brake Energy Regeneration, electromechanical power steering, anticulded as standard Automatic Start/Stop function, gear shift indicator (manual), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map regulated oil pump, air flap control, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance	Specific power output kW/l	.9 (14.1
O-1,000 m sec. 30.0 (30.6 in 4th/5th gear 80–120 km/h sec. 9.4 / 11.5		62.6
in 4th/5th gear 80–120 km/h sec. 9.4/11.5 Max. speed km/h sec. 9.4/11.5 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, on-demand operation of ancillary units, map regulated oil pump, air flap control, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance Fuel consumption (EU)** with standard wheels and tyres Urban I/100 km 7.6 (7.5 Extra-urban I/100 km 4.7 (4.8 Total I/100 km 5.8 (5.8 CO2 emissions g/km 134 (134 with 7,5J x 16 wheels and 225/55 R16 tyres, with 7,5J x 17 wheels and 225/50 R 17 tyres, with 7,5J x 17 wheels at front, 8,5J x 17 wheels at rear and 225/50 R17 tyres at front, 255/45 R17 tyres at rear, with 8J x 18 wheels at front, 8,5J x 18 wheels at rear and 225/45 R18 tyres, with 8J x 18 wheels at front, 8,5J x 19 wheels at rear and 225/40 R19 tyres at front, 255/35 R19 tyres at rear Urban I/100 km 7.7 (7.6 Extra-urban I/100 km 4.8 (4.9 Combined I/100 km 5.9 (5.9 CO2 emissions g/km 137 (137	Acceleration 0–100 km/h sec. 8	8.9 (9.2
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CO ₂ emissions g/km 137 (137		
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Technical data valid for ACEA countries/Some permitted weights valid only for Germany Figures in brackets are for vehicles with automatic transmission

Height with roof aerial: 1441 mm
 Oil change volume
 Fuel consumption and CO₂ emissions depend on the selected tyre format
 Not yet available