



8/2011

Valid from
9/2011

	BMW Z4 sDrive20i		BMW Z4 sDrive28i
Body			
No of doors / seats		2 / 2	2 / 2
Length/width/height (unladen)	mm	4239 / 1790 / 1291	4239 / 1790 / 1291
Wheelbase	mm	2496	2496
Track, front / rear	mm	1511 / 1559	1511 / 1559
Ground clearance	mm	130	130
Turning circle	m	10.7	10.7
Tank capacity	app ltr	55	55
Cooling system incl heater	ltr	8.2 (8.5)	8.2 (8.5)
Engine oil ¹⁾	ltr	5.75	5.75
Weight, unladen, to DIN/EU	kg	1395 / 1470 (1420 / 1495)	1400 / 1475 (1420 / 1495)
Max load to DIN	kg	330	330
Max permissible	kg	1725 (1750)	1730 (1750)
Max axle load, front/rear	kg	800 / 970	800 / 970
Luggage comp capacity	ltr	180-310	180-310
Air drag	cd x A	0.34 x 1.96	0.34 x 1.96
Power Unit			
Config/No of cyls/valves		Straight-four / 4	Straight-four / 4
Engine technology		BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC)	BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC)
Capacity, effective	cc	1997	1997
Stroke / bore	mm	90.1 / 84.0	90.1 / 84.0
Compression ratio	:1	10.0	10.3
Fuel		min RON 91	min RON 91
Max output	kW/hp	135 / 184	180 / 245
at	rpm	5000	5000-6500
Max torque	Nm	270	350
at	rpm	1250-4500	1250-4800
Electrical System			
Battery/location	Ah/-	70 / luggage comp	80 / luggage comp
Alternator	AW	170 / 2380	170 / 2380
Driving Dynamics and Safety			
Suspension, front		Double wishbone spring strut tiebar axle in aluminium with displaced castor, small positive steering roll radius, compensation of lateral forces, anti-dive	
Suspension, rear		Central arm axle, separate springs and dampers, anti-squat and anti-dive	
Brakes, front		Single-piston swing-calliper disc brakes	
Diameter	mm	300 x 24 / vented	330 x 24 / vented
Brakes, rear		Single-piston swing-calliper disc brakes	
Diameter	mm	300 x 20 / vented	300 x 20 / vented
Driving stability systems		Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Assistant, Dry Braking, Fading Compensation, Start-Off Assistant	
Safety equipment		Standard: airbags for driver and passenger, seat-integrated side airbags for driver and passenger, three-point inertia-reel seat belts with belt latch tensioners and belt force limiters, crash sensors, Tyre Defect Indicator	
Steering		EPS Electric Power Steering, optional: Servotronic	
Steering transmission, overall	:1	14.4	14.4
Tyres, front/rear		225/45 R17 91W RSC	225/45 R17 91W RSC
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

Specifications BMW Z4.

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BMW ConnectedDrive			
Comfort		Optional: BMW Assist including Enquiry Service, remote-control function, Real-Time Traffic Information, BMW TeleServices, integration of mobile terminals	
Infotainment		Optional: access to the internet, BMW Online including features such as Parkinfo, National Info, Google directory service, News, realtime weather, BMW Routes, office functions, Bluetooth Audio Streaming, online update of music tracks, Apps	
Safety		Optional: Adaptive Headlights, High-Beam Assistant, Park Distance Control, cruise control with brake function, Automatic/Enhanced Emergency Call	
Transmission			
Type of transmission		Six-speed manual (optional: eight-speed automatic)	
Gear ratios	I	:1	3.683 (4.714)
	II	:1	2.062 (3.143)
	III	:1	1.313 (2.106)
	IV	:1	1.000 (1.667)
	V	:1	0.809 (1.285)
	VI	:1	0.677 (1.000)
	VII	:1	– (0.839)
	VIII	:1	– (0.667)
	Reverse	:1	3.348 (3.295)
Final drive		:1	3.727 (3.077)
Performance			
Power-to-weight-ratio	kg/kW	10.3 (10.5)	7.8 (7.9)
Output per litre	kW/l	67.6	90.1
Acceleration	0–100 km/h	sec	6.9 (7.2)
	standing-start	sec	27.4 (27.8)
In 4th/5th gear	80–120 km/h	sec	6.1 / 7.9 (–)
Top speed	km/h	235 (232)	250 (250)
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration, EPS Electric Power Steering, Auto Start Stop function, gearshift point indicator (manual models), intelligent lightweight construction, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, tyres with reduced roll resistance	
Fuel Consumption in EU			
Urban	l/100km	8.9 (9.1)	8.9 (9.1)
Extra-urban	l/100km	5.6 (5.5)	5.6 (5.5)
Combined	l/100km	6.8 (6.8)	6.8 (6.8)
CO ₂	g/km	159 (159)	159 (159)
Emission rating		EU5	EU5

Specifications applicable to ACEA markets/homologation data applicable in part only to Germany (weight).
Figures in brackets apply to automatic transmission models.

¹⁾ Oil change