

Specifications BMW Z4. Z4 sDrive20i, Z4 sDrive28i



2/2013

Valid from
3/2013

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 DINEU	kg 1395 / 1470 (1420 / 1495)	1400 / 1475 (1420 / 1495)
Payload (DIN)	kg 330	330
Permitted total weight	kg 1725 (1750)	1730 (1750)
Permitted axle load, front/rear	kg 800 / 970	800 / 970
Luggage compartment 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	inline / 4 / 4	inline / 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	BMW TwinPower Turbo technology with twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control
Capacity, effective	cc 1997	1997
Stroke / bore	mm 90.1 / 84.0	90.1 / 84.0
Compression ratio	:1 10.0	10.0
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	A/W 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 floating-calliper disc brakes	
Diameter	mm 300 x 24 / vented	330 x 24 / vented
Brakes, rear	Single-piston floating-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	
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 with 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

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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 devices		
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 music title update, 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)	3.683 (4.714)
	II	:1	2.062 (3.143)	2.062 (3.143)
	III	:1	1.313 (2.106)	1.313 (2.106)
	IV	:1	1.000 (1.667)	1.000 (1.667)
	V	:1	0.809 (1.285)	0.809 (1.285)
	VI	:1	0.677 (1.000)	0.677 (1.000)
	VII	:1	– (0.839)	– (0.839)
	VIII	:1	– (0.667)	– (0.667)
	Reverse	:1	3.348 (3.295)	3.348 (3.295)
Final drive		:1	3.727 (3.077)	3.077 (3.727)
Performance				
Power-to-weight-ratio (DIN unladen)		kg/kW	10.3 (10.5)	7.8 (7.9)
Specific power output		kW/l	67.6	90.1
Acceleration	0–100 km/h	sec	6.9 (6.9)	5.7 (5.5)
Acceleration	0–1,000 m	sec	27.4 (27.8)	25.2 (25.3)
in 4th/5th gear	80–120 km/h	sec	6.1 / 7.9 (–)	5.2 / 6.7 (–)
Max. 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/100 km	8.9 (9.4)	9.1 (9.4)
Extra-urban		l/100 km	5.6 (5.3)	5.5 (5.3)
Combined		l/100 km	6.8 (6.8)	6.8 (6.8)
CO ₂		g/km	159 (159)	159 (159)
Emission rating			EU6	EU6

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