

Specifications BMW Z4

Body		Z4 2.0i	Z4 2.5i	Z4 2.5si	Z4 3.0si
No of doors/seats				2/2	
Length/width/height (unladen)	mm	4,091/1,781/1,299	4,091/1,781/1,299	4,091/1,781/1,299	4,091/1,781/1,299
Wheelbase	mm	2495	2495	2495	2495
Track, front/rear	mm	1,473/1,523	1,473/1,523	1,473/1,523	1,473/1,523
Turning circle	m	9.8	9.8	9.8	9.8
Tank capacity	approx. ltr	55	55	55	55
Cooling system, incl heating	ltr	8.0 (8.8)	7.6 (8.4)	7.6(8.4)	7.6(8.4)
Engine oil	ltr	4.25	6.5	6.5	6.5
Transmission/final drive	ltr	Lifetime			
Weight, unladen, to EU ¹	kg	1295	1,345(1,375)	1,360(1,395)	1,385(1,415)
Max load to DIN	kg	300	300	300	300
Max permissible weight to DIN	kg	1520	1,570 (1,600)	1,585 (1,620)	1,610 (1,640)
Max axle load, front/rear	kg	750/840	780/840	780/850	790/860
Max trailer load ²					
braked (12%/unbraked)	kg	-/-	-/-	-/-	-/-
Max roof ld/max towbar dwnl	kg	-/-	-/-	-/-	-/-
Luggage compartment to VDA	ltr	240–260	240–260	240–260	240–260
Drag coefficient	cd x A	0.35 x 1.91	0.36 x 1.91	0.36 x 1.91	0.36 x 1.91
Engine					
Config/No of cyls/valves		Inline/4/4	Inline/6/4	Inline/6/4	Inline/6/4
Engine management		MEV9	MSV70	MSV70	MSV70
Capacity	cc	1995	2497	2497	2996
Bore/stroke	mm	84.0/90.0	82.0/78.8	82.0/78.8	85.0/88.0
Compression ratio	:1	10.5	11	11	10.7
Fuel grade	RON	91–98	91–98 ³	91–98 ³	91–98 ³
Output	kW	110	130	160	195
at	rpm	6200	5800	6500	6600
Torque	Nm/lb-ft	200/147	230/169	250/184	315/232
at	rpm	3600	3,500-5,000	2,750-4,250	2750
Electrical system					
Battery/installation	Ah/-	55/Lug comp	55/Lug comp	55/Lug comp	55/Lug comp
Alternator	A/W	110/1,540	155/2,170	155/2,170	155/2,170
Chassis and suspension					
Suspension, front		Single-joint spring strut axle with displaced castor; small, positive steering roll radius; compensation of lateral forces; anti-dive			
Suspension, rear		Independent, central arm rear axle; separate springs and dampers; anti-squat and anti-dive			
Brakes, front		Discs			
Diameter	mm	286 x 22, vented	286, vented	300, vented	325, vented
Brakes, rear		Discs			
Diameter	mm	280 x 10, vented	280, vented	294, vented	294, vented
Driving stability systems		ABS, DSC, DTC			
Steering		Electrical EPS power steering			
Overall steering ratio	:1	16	14.2	14.2	14.2
Transmission		6-speed manual	6-speed manual	6-speed manual	6-speed manual
Gear ratios	I	:1	4.32	4.32 (4.17)	4.32 (4.17)
	II	:1	2.46	2.46 (2.34)	2.46 (2.34)
	III	:1	1.66	1.66 (1.52)	1.66 (1.52)
	IV	:1	1.23	1.23 (1.14)	1.23 (1.14)
	V	:1	1	1.00(0.87)	1.00 (0.87)
	VI	:1	0.85	0.85(0.69)	0.85(0.69)
	R	:1	3.94	3.93 (3.40)	3.93 (3.40)
Final drive	:1	3.38	3.38 (3.91)	3.38 (3.73)	3.23 (3.64)
Tyres		225/50 R 16 91 V	225/55 R16 92V	225/55 R16 92V	225/45 R17 91W
Rims		7 J x 16 cast alu	7 J x 16 cast-alu	7 J x 16 cast alu	8 J x 17 cast alu
Performance					
Power-to-weight ratio, DIN	kg/kW	11.1	9.8(10.0)	8.0(8.3)	6.7(6.9)
Output per litre	kW/ltr	55.1	52.1	64.1	65.1
Acceleration 0–100 km/h	sec	8.2	7.1 (7.7)	6.5 (6.9)	5.7 (6.0)
Standing-start	sec	–	–	–	–
in 4 th gear 80–120 km/h	sec	8.2	7	6.5	5.5
Top speed	km/h	220	229 (225)	240 (238)	250 (250) ⁴
Fuel consumption in EU cycle					
Urban	ltr/100 km	10.8	11.8 (12.0)	12.0 (12.8)	12.6 (12.8)
Extra-urban	ltr/100 km	5.6	6.1 (6.3)	6.3 (6.8)	6.3 (6.8)
Composite	ltr/100 km	7.5	8.2 (8.4)	8.4 (9.0)	8.6 (9.0)
CO ₂	g/km	181	197 (202)	202 (216)	207 (217)
Miscellaneous					
Emission level		EU4	EU4	EU4	EU4

Figures in brackets apply to models with automatic transmission.¹Weight of car in road trim (DIN), plus 75 kg for driver and luggage. ²May be increased under certain conditions.³Performance and fuel consumption figures relate to RON 98 fuel. ⁴Electronically limited.