

The new BMW Z4

Technical specifications

BMW UK

Press



The Ultimate Driving Machine

[Introduction](#)

[Market](#)

[Drivetrain](#)

[Chassis and safety](#)

[Design](#)

[History](#)

[Q&A](#)

[Standard and optional equipment](#)

Technical specifications

[Dimensions & torque curves](#)

[Print version](#)

Z4 sDrive23i

Z4 sDrive30i

Z4 sDrive35i

Body

No of doors/seats		2/2	2/2	2/2
Length/width/height (unladen)	mm	4,239/1,790/1,291	4,239/1,790/1,291	4,239/1,790/1,291
Wheelbase	mm	2,496	2,496	2,496
Turning circle	m	10.7	10.7	10.7
Tank capacity approx.	ltr	55	55	55
Cooling system incl heater	ltr	8.2 (8.5)	8.2 (8.5)	8.2 (8.5)
Engine oil	ltr	6.5	6.5	6.5
Transmission fluid incl final drive	ltr	Lifetime	Lifetime	Lifetime
Weight, unladen, to EU	kg	1,480 (1,505)	1,490 (1,505)	1,580 (1,600)
Max load to DIN	kg	330	330	330
Max permissible weight	kg	1,735 (1,760)	1,745 (1,760)	1,835 (1,855)
Max axle load, front/rear	kg	800/970	800/970	870/1,000
Luggage capacity	ltr	180–310	180–310	180–310
Air resistance	cd x A	0.34 x 1.96	0.34 x 1.96	0.35 x 1.96

Figures in brackets apply to vehicles with automatic transmission

¹ Data on performance and fuel consumption for RON 98 fuel

The new BMW Z4

Technical specifications

BMW UK

Press



The Ultimate Driving Machine

[Introduction](#)

[Market](#)

[Drivetrain](#)

[Chassis and safety](#)

[Design](#)

[History](#)

[Q&A](#)

[Standard and optional equipment](#)

[Technical specifications](#)

[Dimensions & torque curves](#)

[Print version](#)

Z4 sDrive23i

Z4 sDrive30i

Z4 sDrive35i

Power Unit

		Z4 sDrive23i	Z4 sDrive30i	Z4 sDrive35i
Configuration/No of cyls/valves		Straight/6/4	Straight/6/4	Straight/6/4
Engine management		MSV80	MSV80	MSD81
Engine capacity	cc	2,497	2,996	2,979
Stroke/bore	mm	78.8/82	88.0/85.0	89.6/84.0
Compression ratio	:1	11.0	10.7	10.2
Fuel grade ¹	RON	min RON 91–98	min RON 91–98	min RON 95–98
Max output	kW/hp	150/204	190/258	225/306
at	rpm	6,400	6,600	5,800
Max torque	Nm/lb-ft	250/184	310/228	400/295
at	rpm	2,750	2,600	1,300–5,000

Electrical System

		Z4 sDrive23i	Z4 sDrive30i	Z4 sDrive35i
Battery/installation	Ah/–	70/luggage compartment	70/luggage compartment	70/luggage compartment
Alternator	A/W	170/2,380	170/2,380	170/2,380

Figures in brackets apply to vehicles with automatic transmission

¹ Data on performance and fuel consumption for RON 98 fuel

The new BMW Z4

Technical specifications

BMW UK

Press



The Ultimate Driving Machine

[Introduction](#)

[Market](#)

[Drivetrain](#)

[Chassis and safety](#)

[Design](#)

[History](#)

[Q&A](#)

[Standard and optional equipment](#)

Technical specifications

[Dimensions & torque curves](#)

[Print version](#)

Z4 sDrive23i

Z4 sDrive30i

Z4 sDrive35i

Chassis and Suspension

Suspension, front	Two-joint spring strut axle with displaced caster; small positive steering roll radius; compensation of lateral forces; anti-dive			
Suspension, rear	Independent; centrally guided axle; separate springs and dampers; anti-squat and anti-dive			
Brakes, front	Disc brakes			
Diameter	mm	300 x 24, vented	330 x 24 vented	348 x 30, vented
Brakes, rear	Disc brakes			
Diameter	mm	300 x 20, vented	300 x 20, vented	324 x 20, vented
Driving stability systems	ABS, DSC, DTC, ADB			
Steering	EPS Electric Power Steering			
Steering ratio, overall	:1	14.36	14.36	14.36
Type of transmission	Six-speed manual gearbox (six-speed sports automatic with Steptronic or seven-speed sports automatic with double clutch as an option on the Z4 sDrive35i)			
Gear ratios I	:1	4.323 (4.171)	3.498 (4.171)	4.055 (4.780)
II	:1	2.456 (2.340)	2.005 (2.340)	2.396 (3.056)
III	:1	1.659 (1.521)	1.313 (1.521)	1.582 (2.153)
IV	:1	1.230 (1.143)	1.000 (1.143)	1.192 (1.678)
V	:1	1.000 (0.867)	0.809 (0.867)	1.000 (1.390)
VI	:1	0.848 (0.691)	0.701 (0.691)	0.872 (1.203)
VII	:1			-(1.000)
R	:1	3.938 (3.403)	3.187 (3.403)	3.677 (4.454)

Figures in brackets apply to vehicles with automatic transmission
 1 Data on performance and fuel consumption for RON 98 fuel

The new BMW Z4

Technical specifications

BMW UK



The Ultimate Driving Machine

Press

Introduction Market Drivetrain Chassis and safety Design History Q&A Standard and optional equipment **Technical specifications** Dimensions & torque curves Print version

		Z4 sDrive23i	Z4 sDrive30i	Z4 sDrive35i
Final drive	:1	3.636 (3.727)	4.273 (3.636)	3.077 (2.563)
Tyres	(front)	225/45 R17 91W RSC	225/45 R17 91W RSC	225/45 R17 91W RSC
	(rear)	225/45 R17 91W RSC	225/45 R17 91W RSC	255/40 R17 94W RSC
Rims	(front)	8J x 17 light-alloy	8J x 17 light-alloy	8J x 17 light-alloy
	(rear)	8J x 17 light-alloy	8J x 17 light-alloy	8.5 J x 17 light-alloy)

Performance

Power-to-weight ratio to DIN	kg/kW	9.4 (9.5)	7.4 (7.5)	6.7 (6.8)	
Output per litre	kW/hp	60.1/81.7	63.4/86.2	75.5/102.7	
Acceleration 0–62 mph	sec	6.6 (7.3)	5.8 (6.1)	5.2 (5.1)	
	Standing-start km	sec	26.9 (27.7)	25.2 (25.6)	24.4 (24.2)
	50–75 mph (4th/5th gear)	sec	6.4/7.8	5.3/6.8	4.9/5.7
Top speed	mph	151 (149)	155*	155*	

*Electronically-limited

Figures in brackets apply to vehicles with automatic transmission

¹ Data on performance and fuel consumption for RON 98 fuel

The new BMW Z4

Technical specifications

BMW UK



The Ultimate Driving Machine

Press

[Introduction](#)

[Market](#)

[Drivetrain](#)

[Chassis and safety](#)

[Design](#)

[History](#)

[Q&A](#)

[Standard and optional equipment](#)

Technical specifications

[Dimensions & torque curves](#)

[Print version](#)

Z4 sDrive23i

Z4 sDrive30i

Z4 sDrive35i

Fuel Consumption (EU Cycle)

Urban	mpg	22.8 (23.9)	22.8 (23.7)	20.9 (22.4)
Extra-urban	mpg	45.6 (46.3)	45.6 (45.6)	40.4 (40.9)
Combined	mpg	33.2 (34.4)	33.2 (34.0)	30.1 (31.4)
CO ₂	g/km	199 (192)	199 (195)	219 (210)

Miscellaneous

Emission rating		EU 5	EU 5	EU 5
-----------------	--	------	------	------

Figures in brackets apply to vehicles with automatic transmission
¹ Data on performance and fuel consumption for RON 98 fuel