

IMMEDIATE

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2001 BMW Z8 TECHNICAL SPECIFICATIONS

GENERAL

Curb weight, lb. (w/hardtop)	3495 (3554)
Weight distribution, front/rear, %	50.8/49.2
Wheelbase, in.	98.6
Track, front/rear, in.	61.1/61.7
Length x width x height, in.	173.2/72.0/51.9

BODY

Type	Unitized aluminum structure
Aerodynamic drag coefficient	0.39 with hardtop (0.43 with softtop)
EPA size classification	2-seater

ACCOMODATIONS

Seating capacity, persons	2
Shoulder room, in.	55.2
Head room (top up), in.	37.2
EPA cargo room, cu ft.	5.1

ENGINE & ELECTRONICS

Engine type	DOHC 32-valve (four-cam) V8 Double VANOS * steplessly variable valve timing, Eight individually electronically controlled throttles with "Normal" and "Sport" settings
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ENGINE & ELECTRONICS

(cont'd)

Bore x stroke, in./mm	3.70 x 3.50 / 94.0 x 89.0
Displacement, cu in./cc	302 / 4941
Compression ratio	11.0:1
Power @ rpm, hp SAE net	394 @ 6600
Torque @ rpm, lb-ft.	368 @ 3800
Engine management system	Siemens MSS 52 with adaptive knock control; variable valve timing, electronic throttle system, lateral acceleration-sensitive lubrication system
Fuel requirement	Premium unleaded
Fuel capacity, U.S. gal.	19.3
Battery capacity, amp-hr	90
Alternator output, amp/W	120/1680

DRIVETRAIN

Drive system	Front engine/rear drive
Manual transmission	Getrag Type D, six-speed
Ratios: 1 st	4.23:1
2 nd	2.53:1
3 rd	1.67:1
4 th	1.23:1
5 th	1.00:1
6 th	0.83:1
Reverse	3.75:1
Final drive ratio	3.38:1

CHASSIS

Body/frame construction	Unitized aluminum
Front suspension	Aluminum suspension; struts, Double-pivot lower arms, coil springs, Twin-tube gas-pressure shock absorbers, Anti-roll bar
Rear suspension	Four-link integral system; Coil springs, twin-tube gas-pressure gas-pressure shock absorbers, anti-roll bar, aluminum subframe
Steering	Rack & Pinion, engine speed-sensitive power assist
Overall ratio	14.7:1
Turns lock-to-lock	3.0

CHASSIS (cont'd)

Turning circle, ft.	38.1
Antilock braking system with Four-wheel ventilated discs:	
Front discs, diameter, in.	13.1
Rear discs, diameter, in.	12.9
Assist	Vacuum
Wheels	cast alloy, double spoke 18 x 8.0 front / 18 x 9.0 rear
Tires	245/45 ZR-18 front 275/40 ZR-18 rear Run-flat performance radials
Stability enhancement systems	Antilock braking system (ABS), Cornering Brake Control (CBC), All Season Traction (AST) & Dynamic Stability Control (DSC)

PERFORMANCE DATA

Acceleration, 0-60 mph, sec., Manufacturer's data	4.5
Top speed, mph	155 (electronically limited)
Fuel economy, EPA est. MPG, city/highway	13/21

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