

## IMMEDIATE

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## **2000 BMW Z8 TECHNICAL SPECIFICATIONS**

### **GENERAL**

|                                    |                 |
|------------------------------------|-----------------|
| Curb weight, lb.                   | 3495            |
| (w/hardtop)                        | (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                              |

### **ACCOMMODATIONS**

|                           |      |
|---------------------------|------|
| 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 |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### **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 <sup>st</sup> | 4.23:1                   |
| 2 <sup>nd</sup>         | 2.53:1                   |
| 3 <sup>rd</sup>         | 1.67:1                   |
| 4 <sup>th</sup>         | 1.23:1                   |
| 5 <sup>th</sup>         | 1.00:1                   |
| 6 <sup>th</sup>         | 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<br>Four-wheel ventilated discs: |                                                                                                                                    |
| Front discs, diameter, in.                                   | 13.1                                                                                                                               |
| Rear discs, diameter, in.                                    | 12.9                                                                                                                               |
| Assist                                                       | Vacuum                                                                                                                             |
| Wheels                                                       | cast alloy, double spoke<br>18 x 8.0 front / 18 x 9.0 rear                                                                         |
| Tires                                                        | 245/45 ZR-18 front<br>275/40 ZR-18 rear<br>Run-flat performance radials                                                            |
| Stability enhancement systems                                | Antilock braking system (ABS),<br>Cornering Brake Control (CBC),<br>All Season Traction (AST) &<br>Dynamic Stability Control (DSC) |

## PERFORMANCE DATA

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

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