

2004 MAZDA6 TECHNICAL SPECIFICATIONS

The authentic sports sedan has made its mark. With class-leading performance, innovative packaging, athletic styling and superior value, the MAZDA6 has quickly become a breakthrough superstar in a class previously deemed as nothing more than ordinary. In its first year on the road, MAZDA6 has been honored with more than 60 awards, including *Automobile* All-Star, *Car and Driver* 10Best and *Money Magazine's* Best Buy.

Mazda engineers set out to design a driver's sedan possessing sports car exhilaration inside and out—a vehicle that would completely embody the company's unique Zoom-Zoom spirit. The result is an automobile that showcases Mazda's heritage as an innovator in performance and technology, delivers distinct styling and offers a wealth of customer-oriented amenities. The MAZDA6 also features the driving dynamics and refinement of the best European sedans, while retaining the secure, all-weather performance of front-wheel drive.

The 2004 MAZDA6 comes with two engine choices: MAZDA6 *i*, a 2.3-liter DOHC 16-valve I-4 engine and MAZDA6 *s*, a 3.0-liter DOHC 24-valve V-6. Both powerplants feature Variable Valve Timing (VVT). In addition, the MAZDA6 comes with such options as the Sport AT™ transmission, 17-inch wheels (standard on *s*) and a Sport Package that includes clear-lens halogen fog lights, dual exhaust outlets, a sculpted front air dam, side sill extensions, a rear apron and a rear spoiler with an integral center high-mount brake light (also available without rear spoiler). Power-assist ventilated front and solid rear disc brakes are standard (four-wheel, four-sensor, three-channel ABS and EBD optional on *i*). The exterior of the MAZDA6 comes in nine vibrant colors: Onyx Black, Performance White, Glacier Silver Metallic, Steel Gray Metallic, Sepang Green Metallic, Redfire Metallic, Lapis Blue Metallic, Pebble Ash Metallic and Blazing Copper Metallic.

| Engines | |
|-------------------------|----------------------------------|
| I-4: | |
| Type | 2.3L DOHC 16-valve four-cylinder |
| Output (SAE net) | 160 hp @ 6000 rpm |
| Torque (SAE net) | 155 lb-ft @ 4000 rpm |
| Bore x Stroke (in) | 3.44 x 3.70 |
| Displacement (cu in/cc) | 137.9/2260 |
| Compression Ratio | 9.7:1 |
| Redline | 6500 rpm |
| V-6: | |
| Type | 3.0L DOHC 24-valve six-cylinder |
| Output (SAE net) | 220 hp @ 6300 rpm |
| Torque (SAE net) | 192 lb-ft @ 5000 rpm |
| Bore x Stroke (in) | 3.50 x 3.13 |
| Displacement (cu in/cc) | 181.1/2967 |
| Compression Ratio | 10.0:1 |
| Redline | 6500 rpm |

| Transmissions | | | | |
|-----------------|--|------|-----------------|------|
| Manual | Five-speed manual (I-4 & V-6) | | | |
| Automatic | Four-speed EC dual-mode AT w/ overdrive (I-4) Five-speed EC dual-mode AT w/ overdrive (V-6) | | | |
| Gear Ratios :1 | Manual | | Sport Automatic | |
| | I-4 | V-6 | I-4 | V-6 |
| 1 st | 3.31 | 3.15 | 2.82 | 3.80 |
| 2 nd | 1.84 | 1.84 | 1.50 | 2.13 |
| 3 rd | 1.23 | 1.26 | 1.00 | 1.36 |
| 4 th | 0.91 | 0.95 | 0.73 | 0.94 |
| 5 th | 0.73 | 0.73 | N/A | 0.69 |
| Reverse | 3.17 | 3.00 | 2.65 | 2.97 |
| Final Drive | 4.11 | 4.13 | 4.15 | 3.71 |

| Suspension | |
|------------|---|
| Front | Independent, double-wishbone, coil springs and stabilizer bar |
| Rear | Independent, E-type multi-link, coil springs and stabilizer bar |

| Steering and Brakes | | |
|------------------------|--|----------------------------|
| Steering Type | Power assisted rack-and-pinion | |
| Overall Steering Ratio | 16.1:1 | |
| Turns Lock-to-Lock | 2.54 | |
| Turning Diameter (ft) | 38.7 | |
| Brakes | Power assist (four-wheel, four-sensor, three-channel ABS & EBD optional on <i>i</i> , standard on <i>s</i>) | |
| | Front | 11.1-inch ventilated discs |
| | Rear | 11.0-inch solid discs |

| Tires and Wheels | |
|------------------|---|
| Tires | P205/60HR-16 P215/50VR-17 (optional on <i>i</i> and standard on <i>s</i>) |
| Wheels | 16 x 6.5 (Steel) 16 x 7.0 five-spoke aluminum (optional on <i>i</i>) 17 x 7.0 five-spoke aluminum (optional on <i>i</i> and standard on <i>s</i>) |

| Dimensions | | |
|----------------------------------|-------|---|
| | | Inches (mm) |
| Length | | 186.8 (4745) |
| Width | | 70.1 (1781) |
| Height | | 56.7 (1440) |
| Wheelbase | | 105.3 (2675) |
| Minimum Ground Clearance (Laden) | | 5.1 (130) |
| Track | Front | 60.6 (1539) [I-4]/60.2 (1529) [V-6] |
| | Rear | 60.6 (1539) [I-4]/60.2 (1544) [V-6] |
| Head Room | Front | 38.7 (983) [I-4] w/o Moonroof 38.0 (965) [V-6] w/ Moonroof |
| | Rear | 37.1 (942) [I-4] w/o Moonroof 37.1 (942) [V-6] w/ Moonroof |
| Leg Room | Front | 42.3 (1074) |
| | Rear | 36.5 (927) |
| Shoulder Room | Front | 56.1 (1425) |
| | Rear | 54.9 (1394) |
| Hip Room | Front | 54.7 (1389) |
| | Rear | 54.1 (1374) |
| Vehicle Size Category | | Mid-size |
| EPA Passenger Volume (cu ft) | | 96.1 |
| EPA Total Volume (cu ft) | | 111.3 |
| EPA Cargo Volume (cu ft) | | 15.2 |

Capacities

| | |
|-------------------------|----------------------|
| Fuel (gal) | 18.0 |
| Coolant (qts) | 7.9 (I-4)/10.8 (V-6) |
| Engine Oil (qts) | 4.9 (I-4)/6.0 (V-6) |

Curb Weight

| Transmission | Lb. |
|---|------------|
| I-4 M/T | 3045 |
| I-4 A/T | 3093 |
| V-6 M/T | 3241 |
| V-6 A/T | 3309 |
| Gross Vehicle Weight Rating | 4317 |
| Weight Distribution % front/rear | 60:40 |

Fuel Economy

| | | Manual | Automatic |
|------------|---------------|---------------|------------------|
| I-4 | City (mpg) | 24 | 22 |
| | Highway (mpg) | 32 | 29 |
| V-6 | City (mpg) | 19 | 19 |
| | Highway (mpg) | 27 | 27 |