

2006 MAZDA3 TECHNICAL SPECIFICATIONS

| ENGINE | | | |
|-------------------------|--|--|-----------------|
| | 4-Door <i>i</i> | 4-Door <i>s</i> | 5-Door <i>s</i> |
| Type | Type-LFD 2.0L DOHC 16-valve 4-cylinder | Type-L3V 2.3L DOHC 16-valve 4-cylinder with balance shafts (2) | |
| Displacement (cu in/cc) | 122.0/1,999 | 137.9/2,260 | |
| Bore x Stroke (in) | 3.44 x 3.27 | 3.44 x 3.70 | |
| Compression Ratio | 10.0:1 | 9.7:1 | |
| Output (SAE net) | 150 @ 6,500 rpm PZEV = 145 @ 6,500 rpm | 160 @ 6,500 rpm PZEV = 153 @ 6,500 rpm | |
| Torque (SAE net) | 135 @ 4,500 rpm PZEV = 132 @ 4,500 rpm | 150 @ 4,500 rpm PZEV = 149 @ 4,500 rpm | |
| Redline | 6,500 | | |

| FUEL SYSTEM | |
|------------------|--|
| Fuel Injection | Multi-port electronic fuel injection |
| Recommended Fuel | Regular Unleaded |
| Emission Control | Tier 2 Bin 5 (FED) / LEV-II SULEV (PZEV) |

| IGNITION SYSTEM | |
|-----------------|------------------------|
| System | Breakerless electronic |
| Alternator | 12V-90 A |

| TRANSMISSION | | | |
|-----------------|---|-------------------|-------------------|
| Type | Front Wheel Drive (FWD) | | |
| Gear Ratios :1 | 2.0L and 2.3L Manual | 2.0L Sport A/T | 2.3L Sport A/T |
| First | 3.31 | 2.82 | 3.62 |
| Second | 1.84 | 1.50 | 1.93 |
| Third | 1.31 | 1.00 | 1.29 |
| Fourth | 0.97 | 0.73 | 0.93 |
| Fifth | 0.76 | N/A | 0.69 |
| Reverse | 3.17 | 2.65 | 3.41 |
| Final Drive | 4.11 | 3.68 | 3.86 |
| Clutch Type M/T | Single dry plate with diaphragm spring | | |
| Clutch Type A/T | Torque converter with electronic lockup | | |

| STEERING AND BRAKES | |
|-----------------------|--|
| Steering Type | Rack-and-Pinion |
| Power Assist | Electro-Hydraulic Power Assist Steering (EHPAS) |
| Turning Diameter (ft) | 34.1 |
| Turns Lock-to-Lock | 2.9 |
| Overall Ratio | 14.6:1 |
| Brakes | Power assist; ABS with EBD |
| Front | 10.9-inch ventilated discs (2.0L) 11.8-inch ventilated discs (2.3L) |
| Rear | 10.4-inch solid discs (2.0L) 11.0-inch solid discs (2.3L) |
| Parking | Mechanical, hand-operated on rear wheels |

| CAPACITIES | |
|--------------------------|---|
| Passenger Seating | 5 |
| Fuel (gal) | 14.5 |
| Oil (qts) | 3.9 (2.0L)/ 4.0 (2.3L) |
| Coolant (qts) | 7.9 |
| Vehicle Size Category | Compact |
| Passenger Volume (cu ft) | 94.3 - 4-Door <i>i</i> , 4-Door <i>s</i> ; 95.4 - 5-Door <i>s</i> |
| Cargo Volume (cu ft) | 11.4 - 4-Door <i>i</i> , 4-Door <i>s</i> ; 17.1 - 5-Door <i>s</i> |
| Cargo Volume, (cu ft) | |
| Rear Seats Folded Down | 31.2 - 5-Door <i>s</i> |
| Total Volume | 105.7 - 4-Door <i>i</i> , 4-Door <i>s</i> ; 112.4 - 5-Door <i>s</i> |

| DIMENSIONS | | | |
|-------------------------------|-----------------|-----------------|-----------------|
| | 4-Door <i>i</i> | 4-Door <i>s</i> | 5-Door <i>s</i> |
| | Inches (mm) | | |
| Length | 178.3 (4,529) | 178.7 (4,539) | 176.6 (4,486) |
| Width | 69.1 (1,755) | | |
| Height | 57.7 (1,466) | | |
| Wheelbase | 103.9 (2,639) | | |
| Min. Ground Clearance (laden) | 5.7 (145) | | |
| Track | | | |
| Front | 60.2 (1,529) | | |
| Rear | 59.6 (1,514) | | |
| Headroom | | | |
| w/ moonroof | | | |
| Front | 38.1 (967) | 38.2 (970) | |
| Rear | 37.0 (940) | 38.3 (973) | |
| Headroom | | | |
| w/o moonroof | | | |
| Front | 39.1 (993) | 39.1 (993) | |
| Rear | 37.4 (950) | 38.4 (975) | |
| Leg Room | | | |
| Front | 41.9 (1,064) | | |
| Rear | 36.3 (922) | | |
| Shoulder Room | | | |
| Front | 54.9 (1,394) | | |
| Rear | 54.0 (1,372) | | |
| Hip Room | | | |
| Front | 54.9 (1,394) | | |
| Rear | 53.9 (1,369) | | |

| TIRES AND WHEELS | | | |
|------------------|---------------------------|---------------------------|---------------------------|
| | 4-Door <i>i</i> | 4-Door <i>s</i> | 5-Door <i>s</i> |
| Tires | P195/65R-15 all-season | P205/55R-16 all season | P205/50R-17 all season |
| Wheels | 15x6.0 J | 16x6.5 J | 17x6.5 J |

| SUSPENSION | |
|------------|---|
| Front | Independent, MacPherson strut, coil springs and stabilizer bar |
| Rear | Independent, E-type multi-link coil springs and stabilizer bar |

| CURB WEIGHT | | | |
|-------------------------------------|-----------------|-----------------|-----------------|
| Curb Weight (lbs) | 4-Door <i>i</i> | 4-Door s | 5-Door s |
| M/T | 2,685 | 2,758 | 2,808 |
| M/T PZEV | 2,701 | 2,784 | 2,834 |
| A/T | 2,729 | 2,829 | 2,871 |
| A/T PZEV | 2,745 | 2,853 | 2,898 |
| Weight Distribution % front/rear | 60/40 | | |

| FUEL ECONOMY | | | |
|------------------------|-----------------|-----------------|-----------------|
| EPA Mileage | 4-Door <i>i</i> | 4-Door s | 5-Door s |
| City/Highway (mpg) M/T | 28 / 35 | 26 / 32 | |
| City/Highway (mpg) A/T | 26 / 34 | 25 / 31 | |