

2005 MAZDA3 TECHNICAL SPECIFICATIONS

By exceeding customers' expectations for superior value and providing a spirited Zoom-Zoom driving experience, Mazda redefines what's possible in the compact vehicle segment with the MAZDA3. The 2005 MAZDA3 breaks new ground in style, build quality and performance. It also was rated in the top three — along with RX-8 — out of 68 vehicles in a recent test for rollover safety by the National Highway Traffic Safety Administration (NHTSA).

Available in two body styles – 4-Door and 5-Door – and three trim levels – 4-Door *i* (2.0-liter engine), 4-Door *s* (2.3-liter engine) and 5-Door (2.3-liter engine) – there is a MAZDA3 perfect for every buyer. The 2005 MAZDA3 offers improved engine performance, excellent eco-friendliness, cavernous interior space, efficient functionality and upscale, athletic styling. An aggressive Sport Package includes a host of unique features for an enhanced road presence.

MAZDA3's engine lineup is comprised of two MZR in-line, four-cylinder engines, offering robust power as well as industry-leading clean emissions. Through re-engineered exhaust plumbing and eco-friendly ECU programming, the PZEV-rated MAZDA3 *i* eliminates evaporative emissions, while the MAZDA3 *s* (both 4-door and 5-Door models) meets strict Tier II Bin 5 Federal emission regulations, which mandate near-zero evaporative emissions.

For 2005, the MAZDA3 receives a stylish new 15-inch wheel cover and a new Titanium Gray Metallic color option for the MAZDA3 *i*.

Engines	
4-Door <i>s</i> and 5-Door <i>s</i>:	
Type	2.3L DOHC 16-valve four-cylinder
Output (SAE net)	160 hp @ 6500 rpm
Torque (SAE net)	150 lb-ft @ 4500 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
4-Door <i>i</i>:	
Type	2.0L DOHC 16-valve four-cylinder
Output (SAE net)	148 hp @ 6500 rpm (PZEV 144 @ 6500)
Torque (SAE net)	135 lb-ft @ 4500 rpm (PZEV 132 @ 4500)
Bore x Stroke (in)	3.44 x 3.27
Displacement (cu in/cc)	122.0/1999
Compression Ratio	10.0:1
Redline	6500 rpm

Transmissions				
Manual	Five-speed manual			
Automatic	Four-speed electronically controlled Sport AT			
Gear Ratios :1	Manual		Sport Automatic	
	2.0L	2.3L	2.0L	2.3L
1 st	3.31	3.31	2.82	2.82
2 nd	1.84	1.84	1.50	1.50
3 rd	1.31	1.31	1.00	1.00
4 th	0.97	0.97	0.73	0.73
5 th	0.76	0.76	N/A	N/A
Reverse	3.17	3.17	2.65	2.65
Final Drive	4.11	4.11	3.68	4.42

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

Steering and Brakes	
Steering Type	Electro-hydraulic Power assisted rack-and-pinion
Overall Steering Ratio	14.6:1
Turns Lock-to-Lock	2.9
Turning Diameter (ft)	34.1
Brakes	Power assist; ABS w/ Electronic Brakeforce Distribution (EBD) optional on all trim levels

Front	2.0L: 10.9-inch ventilated discs 2.3L: 11.8-inch ventilated discs
Rear	2.0L: 10.4-inch solid discs 2.3L: 11.0-inch solid discs

Tires and Wheels	
Tires	195/65HR-15 (standard 4-Door <i>i</i>) 205/55HR-16 (optional on 4-Door <i>i</i> , standard on <i>s</i>) 205/50HR-17 (optional on 4-Door <i>s</i> , standard on 5-Door)
Wheels	15 x 6.0 (standard on 4-Door <i>i</i>) 16 x 6.5 (optional on 4-Door <i>i</i> , standard on 4-Door <i>s</i>) 17 x 6.5 (optional on 4-Door <i>s</i> , standard on 5-Door)

Dimensions		
		4-Door <i>i</i> / <i>s</i> / 5-Door Inches (mm)
Length		178.3 (4529) / 178.7 (4539) / 176.6 (4486)
Width		69.1 (1755)
Height		57.7 (1466)
Wheelbase		103.9 (2639)
Minimum Ground Clearance (Laden)		5.7 (145)
Track	Front	60.2 (1529)
	Rear	59.6 (1514)
Head Room	Front	39.1 (993) w/o Moonroof 38.1 (967) 4-Door w/ Moonroof 38.2 (970) 5-Door w/ Moonroof
	Rear	37.4 (950) 4-Door w/o Moonroof 38.4 (975) 5-Door w/o Moonroof 37.0 (940) 4-Door w/ Moonroof 38.3 (973) 5-Door w/ Moonroof
Leg Room	Front	41.9 (1064)
	Rear	36.3 (922)
Shoulder Room	Front	54.9 (1394)
	Rear	54.0 (1372)
Hip Room	Front	54.9 (1394)
	Rear	53.9 (1369)
Vehicle Size Category		Compact
EPA Passenger Volume (cu ft)		94.3 (4-Door) / 95.3 (5-Door)
EPA Total Volume (cu ft)		105.7 (4-Door) / 112.4 (5-Door)
EPA Cargo Volume (cu ft)		11.4 (4-Door) / 17.1 (5-Door) / 31.2 (5-Door w/ rear seats folded)

Capacities	
Fuel (gal)	14.5
Coolant (qts)	7.9
Engine Oil (qts)	3.9 (2.0L) / 4.0 (2.3L)

Curb Weight	
	lb.
2.0L M/T, A/T	2696 / 2738
PZEV 2.0L M/T, A/T	2718/2760
2.3L 4-Door M/T, A/T	2762 / 2807
2.3L 5-Door M/T, A/T	2826 / 2857
Gross Vehicle Weight Rating	
2.0L M/T, A/T	3752/3794
PZEV 2.0L M/T, A/T	3765/3807
2.3L 4-Door M/T, A/T	3818/3880
2.3L 5-Door M/T, A/T	3843/3904
Weight Distribution % front/rear	60:40

Fuel Economy			
		Manual	Automatic
2.0L	City (mpg)	28	26
	Highway (mpg)	35	34
2.3L	City (mpg)	25	24
	Highway (mpg)	32	29