

2009 MAZDA3 5-Door

Engine & Mechanical



 standard  option  not available



MAZDA3 5-Door at a Glance:



Engine Type

156-hp (151-hp PZEV)[†] 2.3L DOHC 16-valve 4-cylinder engine



Exterior Features

Available Xenon headlights, power sliding-glass moonroof, rain-sensing windshield wipers and standard 17-inch aluminum alloy wheels



Available Features

Available leather-trimmed seats, heated front seats, Bose® premium audio system and DVD navigation system**



Safety Features

Standard safety features include advanced front air bags, front side-impact air bags, side-impact air curtains^{‡‡} and Tire-Pressure Monitoring System (TPMS)

2009 MAZDA3 5-Door

2009 MAZDA3 5-Door	s Sport	s Touring	s Grand Touring
Engine			
Engine type	2.3L DOHC 16-valve 4-cylinder with VVT		
Horsepower†	156 @ 6500 rpm (PZEV = 151 @ 6500 rpm)		
Torque (lb.-ft.)†	150 @ 4500 rpm (PZEV = 149 @ 4500 rpm)		
Redline	6500 rpm		
Displacement (cubic inches)	137.9		
Bore x Stroke (inches)	3.44 x 3.70		
Compression ratio	9.7:1		
Fuel system	Multi-port electronic fuel injection		
Recommended fuel	Regular unleaded		
Valvetrain	4 valves per cylinder, mechanical lifters, camshaft chain; Variable-Valve Timing		
Engine block	Aluminum alloy		
Cylinder heads	Aluminum alloy		
Fuel Economy			
EPA, city/highway‡			
Manual transmission	22/29		
Automatic transmission	22/28		
Drivetrain			
Type	FWD		
Transmission (MT)	5-speed manual		
Transmission (AT)	5-speed electronically-controlled Sport AT		
Clutch type	Single dry plate with diaphragm spring Torque converter with electronic lockup		











































Ratios	<u>2.3L MT</u>
1st	3.307
2nd	1.842
3rd	1.31
4th	0.97
5th	0.755
Reverse	3.166
Final drive	4.105
	<u>2.3L SPORT AT</u>
1st	3.62
2nd	1.925
3rd	1.285
4th	0.933
5th	0.692
Reverse	3.405
Final drive	3.863
Chassis	
Body type	5- passenger, 5-door hatchback
Front suspension	Independent, MacPherson strut, coil springs and stabilizer bar
Rear suspension	Independent, Multi-link (E-type), coil springs and stabilizer bar
Shock absorbers	Telescopic, double acting
Steering type	Rack-and-pinion with variable assist
Power assist	Electro-Hydraulic Power Assist Steering (EHPAS)
Steering wheel turns-to-lock	2.9
Turning circle, curb-to-curb (feet)	34.1
Braking system	Power assist; Anti-lock Brake System (ABS) w/ Electronic Brakeforce Distribution (EBD) & Brake Assist
Front brakes	Ventilated discs, 11.8 inches
Rear brakes	Solid discs, 11.0 inches
Wheels & Tires	
Wheels	17" aluminum alloy
Tires	P205/50 R17 V-rated all-season

2009 MAZDA3 5-Door



Exterior

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2009 MAZDA3 5-Door	s Sport	s Touring	s Grand Touring
Exterior Features			
Fog lights			
Halogen headlights			
Xenon headlights with auto on/off			
Dual power remote mirrors			
Side repeater lights – white oval lens			
Windshield wipers, 2-speed with variable-intermittent			
Windshield wipers, automatic rain-sensing (adjustable sensitivity) with 2-speed and variable-intermittent			
Rear window wiper			
Side sill extensions			
Side protective body-color moldings			
Clear-lens taillights with (3) silver-color bezels			
LED taillights			
Roof-mounted antenna			
Rear roof spoiler			
Wheels & Tires			
Wheels	17" aluminum alloy		
Tires	P205/50 R17 V-rated all-season		
Exterior Dimensions			
Wheelbase (inches)	103.9		
Track, Front (inches)	60.2		
Track, Rear (inches)	59.6		
Length (inches)	176.8		
Width (inches)	69.1		
Height, unladen (inches)	57.7		
Minimum Ground Clearance, laden (inches)	4.8		
Weight Distribution, % front:rear	60/40		








































2009 MAZDA3 5-Door



Interior

S standard **□** option -- not available

2009 MAZDA3 5-Door	s Sport	s Touring	s Grand Touring
Comfort & Convenience			
12-volt power outlet in center console (1)	S	S	S
Front side-window demisters	S	S	S
Heater/defroster with multi-speed fan	S	S	S
Air Conditioning with pollen filter	S	S	--
Automatic climate control system with display	--	--	S
Ambient (outside) temperature display	S	S	S
Tilt & telescopic steering column	S	S	S
Steering wheel-mounted illuminated audio and cruise controls	S	S	S
Delayed courtesy lights (dual map & dome lights)	S	S	S
Front dual map lights & driver/passenger illuminated vanity mirrors	S	S	S
Illuminated driver-side power window switches	S	S	S
Illuminated glove compartment, ignition keyhole	S	S	S
Power door locks with 2-stage unlocking	S	S	S
Rear view mirror, day/night	S	S	S
Power windows with driver-side one-touch down feature	S	S	S
Power sliding-glass moonroof (one-touch open feature) with interior sunshade	□	□	□
Storage			
Driver & passenger-side covered visor vanity mirror with ticket holder	S	S	S
Driver's-side storage bin	S	S	S
Front door pockets with bottle holders	S	S	S
Front driver's-side seatback map pocket	S	S	S
Center console armrest with covered dual storage compartments	S	S	S
Glove compartment with illumination & lock	S	S	S
Dual front cup holders with lid	S	S	S
Rear-door bottle holders	S	S	S
Dual rear cup holders integrated in armrest	S	S	S
Seating & Trim			
5-passenger seating capacity	S	S	S
3-spoke leather-wrapped steering wheel	S	S	S
Shift knob – leather-wrapped (M/T and Optional A/T)	S	S	S
Parking brake handle w/ chrome release button	S	S	S
Cloth seating – black or sand	S	S	--
Leather-trimmed seats	--	--	S
Reclining front bucket seats	S	S	S
Driver's seat lifter (lever-type) with manually adjustable lumbar support	S	S	S
8-way power adjustable driver's seat	--	--	S
Heated front seats	--	--	S
60/40 split fold-down rear seat	S	S	S
Carpeted front and rear floor mats	S	S	S
Scuff plates	S	S	S
Audio/Entertainment/Navigation Systems			

AM/FM/CD audio system w /digital clock			
6-speaker sound system (includes 2 tweeters)			
Audio system Automatic Level Control (ALC) – 1/2/3 & off settings			
Auxiliary jack for portable media devices			
Bose® premium audio system (222W digital amplifier, 7 speakers)	--	--	
In-dash 6-disc MP3/CD changer			
DVD navigation system**	--	--	
SIRIUS Satellite Radio-compatible audio system††			
Instrumentation			
Center instrument panel display (audio & clock)			
Engine coolant temperature gauge			
Gauges & controls illumination-dimming control – dial-type			
Electroluminescent gauges (black-out type) with red & blue nighttime illumination			
Tachometer			
Trip computer, four-function including current and average fuel economy, distance-to-empty, and average vehicle speed	--	--	
Trip odometers, resettable (2)			
Interior Dimensions			
Headroom, front/rear without moonroof (inches)	39.1/38.4		
Headroom, front/rear with moonroof (inches)	38.2/38.3		
Leg room, front/rear (inches)	41.1/36.3		
Shoulder room, front/rear (inches)	54.9/54.0		
Hip room, front/rear (inches)	53.8/52.5		
Rear knee clearance (inches)	0.7		
Capacities			
Cargo volume (cubic feet)	17.1		
Cargo volume, rear seats down (cubic feet)	43.8		

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Safety

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2009 MAZDA3 5-Door	s Sport	s Touring	s Grand Touring
Safety			
Triple-H construction			
3-point safety belts for all seating positions (2 front, 3 rear)			
5-mph bumpers			
Advanced dual front air bags, side-impact air curtains, front-seat-mounted side-impact air bags††			
Side-impact door beams – front and rear			
Child-safety rear door locks			
Collapsible steering column (following air bag deployment)			
Fold-away brake pedal assembly			
Engine immobilizer anti-theft system			
Front safety-belt pretensioners with force limiters			
Height-adjustable front shoulder belt B-pillar anchors			
Horn – single type			
Keyless remote panic button feature (on key fob)			
LATCH rear seat child safety-seat lower anchors & upper tethers			
Theft-Deterrent Security System			
Tire Pressure Monitoring System (TPMS)			
Whiplash-reducing front seat headrests			
Dynamic Stability Control (DSC)*** and Traction Control System (TCS)			

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Options & Packages

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Moonroof and 6-CD changer (MP3-compatible)			
Moonroof, 6-CD changer with BOSE® audio system (MP3-compatible)			
Navigation system w/SIRIUS Satellite Radio w/6-month subscription			
Crystal White Pearl Paint			

* MSRP includes destination charges but excludes tax, title and license fees. Destination charges may vary in Alaska and Hawaii. Vehicles displayed may contain optional equipment at additional costs. Actual dealer price may vary.

† Power figures are lower in Partial Zero Emission Vehicle (PZEV) states including CA, CT, MA, ME, NJ, NY, OR, PA, RI, VT and WA.

‡ EPA-estimated mileage. Actual results may vary.

** SIRIUS Satellite Radio w/ free 6-month subscription included with navigation system on the Grand Touring trim.

†† SIRIUS Satellite Radio-compatible audio system requires additional dealer-installed hardware and subscription.

‡‡ Always wear your seat belt and secure children in the rear seats in appropriate child restraints.

*** Dynamic Stability Control (DSC) is an electronic system to help the driver maintain control under adverse conditions. It is not a substitute for safe driving practices. Factors including speed, road conditions and driver steering input can all affect whether DSC will be effective in preventing loss of control. Please see the Owner's Manual for further details.