

# 2008 MAZDA3 5-Door

## Engine & Mechanical



S Standard  
 P Package Option  
 □ Stand-Alone Option  
 R Dealer Installed Accessory  
 ✗ Not Available

### 2008 MAZDA3 5-Door

s Sport

s Touring

s Grand Touring

## ENGINE

Engine type	Type-L3X 2.3L DOHC 16-valve 4-cylinder with VVT and balance shafts (2)
Horsepower	156 @ 6500 rpm (PZEV = 151 @ 6500 rpm)
Torque (lb.-ft.)	150 @ 4500 rpm (PZEV = 149 @ 4500 rpm)
Redline	6500 rpm
Displacement (cubic inches/cc)	137.9/2260
Bore x Stroke (inches/mm)	3.44 x 3.70/87.5 x 94.0
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

## 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	2.3L MT
1st	3.307

## 2008 MAZDA3 5-Door Engine & Mechanical



S Standard
 P Package Option
 □ Stand-Alone Option
 R Dealer Installed Accessory
 X Not Available

2008 MAZDA3 5-Door	s Sport	s Touring	s Grand Touring
2nd		1.842	
3rd		1.31	
4th		0.97	
5th		0.755	
Reverse		3.166	
Final drive		4.105	
		2.3L SPORT AT	
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/m)	34.1/10.4
Braking system	Power assist; Anti-lock Brake System

Mazda reserves the right to change specifications at any time without incurring obligation. Availability may be limited by location and time. Please consult your local dealer for full details.

## 2008 MAZDA3 5-Door Engine & Mechanical



■ Standard  
 ■ Package Option  
 ■ Stand-Alone Option  
 ■ Dealer Installed Accessory  
 ✘ Not Available

### 2008 MAZDA3 5-Door

	s Sport	s Touring	s Grand Touring
Front brakes	(ABS) w/ Electronic Brakeforce Distribution (EBD) & Brake Assist		
Rear brakes	Ventilated discs, 11.8 inches (2.3L)		
Parking brake	Solid discs, 11.0 inches (2.3L)		
Wheels	Mechanical, hand-operated on rear wheels		
Wheel offset (mm)	6.5J x 17"		
Tires	52.5		
EPA mileage (city/highway)	P205/50 R17 V-rated all-season		
MT		22/29	
AT		22/29	

\* These estimates reflect new EPA methods beginning with 2008 models

Mazda reserves the right to change specifications at any time without incurring obligation. Availability may be limited by location and time. Please consult your local dealer for full details.

## Exterior Features

S Standard  
 P Package Option  
 Q Stand-Alone Option  
 R Dealer Installed Accessory  
 X Not Available

### 2008 MAZDA3 5-Door

**s Sport**
**s Touring**
**s Grand Touring**

## EXTERIOR FEATURES

Antenna, roof-mounted (mast-type)	S	S	S
Back-up lights - clear-lens with silver-color bezels	S	S	S
Brake light - high-mount, interior-type (top of rear window)	S	S	S
Bumpers - body-color sport type (front & rear)	S	S	S
Door handles - body-color	S	S	S
Fuel door - body-color	S	S	S
Headlights - clear-lens halogen	S	S	X
Headlights - automatic on/off	X	X	S
Headlights - Xenon (Low Beam, High-Intensity Discharge - HID), manual-leveling type	X	X	S
Headlight bezels - with (3) silver-color	S	S	S
Headlight housing - black treatment	S	S	S
Fog lights - clear-lens halogen	S	S	S
Mirrors, dual power remote mirrors - body-color, folding-type	S	S	S
Rear bumper reflectors - integrated-type (4)	S	S	S
Roof molding - black	S	S	S
Side repeater lights - white-lens oval type	S	S	S
Side moldings, protective body-color	S	S	S
Side sill extensions	S	S	S
Spoiler, rear roof-end spoiler (body-color)	S	S	S
Taillights - clear-lens with (3) silver-color bezels	S	S	X
Taillights - clear-lens with LED	X	X	S
Windshield wipers, 2-speed with variable-intermittent	S	S	X
Windshield wipers, automatic rain-sensing (adjustable sensitivity) with 2-speed and variable-intermittent	X	X	S
Windshild wipers, 1-speed with fixed-intermittent (rear)	S	S	S

## 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

## Exterior Features

**S** Standard   **P** Package Option   **□** Stand-Alone Option   **P** Dealer Installed Accessory   **✗** Not Available

### 2008 MAZDA3 5-Door

s Sport

s Touring

s Grand  
Touring

Weight Distribution, % front:rear

60/40

Mazda reserves the right to change specifications at any time without incurring obligation. Availability may be limited by location and time. Please consult your local dealer for full details.

## Interior Features

S Standard  
 P Package Option  
 Q Stand-Alone Option  
 R Dealer Installed Accessory  
 X Not Available

### 2008 MAZDA3 5-Door

**s Sport**
**s Touring**
**s Grand Touring**

## COMFORT & CONVENIENCE

12-volt power outlet in center console (1)	S	S	S
Air Conditioning with pollen filter	S	S	S
Ambient (outside) temperature display	S	S	S
Automatic climate control system with display	X	X	S
Cargo area light	S	S	S
Center console armrest with covered dual storage compartments	S	S	S
Cruise control with steering wheel-mounted controls - illuminated	S	S	S
Cup holders, rear door bottle holders (without storage pockets)	S	S	S
Cupholders, dual front with lid	S	S	S
Cupholders, dual rear (integrated in armrest)	S	S	S
Delayed courtesy lights (dual map & dome lights)	S	S	S
Driver-side covered visor vanity mirror with ticket holder	S	S	S
Front dual map lights	S	S	S
Front side-window demisters	S	S	S
Heater/defroster with multiple speed fan	S	S	S
Illuminated driver-side power window switches	S	S	S
Illuminated glove compartment, ignition keyhole	S	S	S
Moonroof, power sliding-glass ("one-touch" open feature) with interior sunshade	Q	Q	Q
Passenger-side covered visor vanity mirror with ticket holder	S	S	S
Power door lock switches - driver's-side & front passenger-side	S	S	S
Power door locks with 2-stage unlocking	S	S	S
Rear heater ducts, window defogger	S	S	S
Rearview mirror, day/night	S	S	S
Remote fuel door release, hood release	S	S	S
Steering column, tilt & telescopic	S	S	S
Steering wheel, 3-spoke leather-wrapped	X	X	S
Steering wheel, 3-spoke urethane	S	S	X
Steering wheel-mounted audio controls - illuminated	S	S	S
Storage bin - driver's side	S	S	S
Storage pockets, front door with bottle holders	S	S	S
Storage, front seatback map pocket (driver's side only)	S	S	S
Storage, glove compartment with illumination & lock	S	S	S
Windows, power with driver-side one-touch down feature	S	S	S

## Interior Features

S Standard  
 P Package Option  
 Q Stand-Alone Option  
 R Dealer Installed Accessory  
 X Not Available

### 2008 MAZDA3 5-Door

**s Sport**
**s Touring**
**s Grand Touring**

## SEATING

5-passenger seating capacity	S	S	S
60/40 split fold-down rear seat	S	S	S
Center floor console trim - black	S	S	S
Door trim, cloth - black or gray	S	S	X
Door trim, black synthetic leather	X	Q	S
Floor mats, front and rear - carpeted	S	S	S
Floor-mounted gear shift lever (M/T and Optional A/T)	S	S	S
Full cargo area trim	S	S	S
Full carpeting	S	S	S
Interior trim color: black, or gray	S	S	S
Molded cloth door trim - front and rear	S	S	X
Molded cloth headliner	S	S	S
Parking brake handle, urethane w/ silver-color release button	S	S	S
Scuff plates - urethane type	S	S	S
Seats, cloth - black or gray	S	S	X
Seats, leather - black	X	Q	S
Seats, driver's seat lifter (lever-type) with manually adjustable lumbar support	S	S	S
Seats, heated front seats (driver and passenger)	X	X	S
Seats, reclining front bucket seats - sport-type	S	S	S
Shift knob - leather-wrapped (M/T and Optional A/T)	S	S	S

## AUDIO / ENTERTAINMENT / NAV

AM/FM/CD audio system w /digital clock	S	S	S
6-speaker sound system (includes 2 tweeters)	X	S	S
Audio system Automatic Level Control (ALC) - 1/2/3 & off settings	S	S	S
Auxiliary jack for portable media devices	S	S	S
Bose® premium audio system (222W digital amplifier, 7 speakers)	X	X	Q
In-dash 6-disc CD changer (modular audio)	Q	Q	Q
Navigation system - DVD	X	X	Q
Satellite radio-compatible audio system (requires additional dealer-installed hardware)	S	S	S

## INSTRUMENT PANEL

Center instrument panel display (audio & clock)	S	S	S
---	---	---	---

## Interior Features

S Standard  
 P Package Option  
 Q Stand-Alone Option  
 R Dealer Installed Accessory  
 X Not Available

2008 MAZDA3 5-Door	s Sport	s Touring	s Grand Touring
Engine coolant temperature gauge	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Gauge illumination dimming control button (number illumination only)	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Gauges & controls illumination dimming control - dial-type	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Gauges, electroluminescent (black-out type) with red & blue nighttime illumination	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Tachometer	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Trip computer, four-function including current and average fuel economy, distance-to-empty, and average vehicle speed	<span style="color: #34495e;">X</span>	<span style="color: #34495e;">X</span>	<span style="color: #e67e22;">S</span>
Trip odometers, resettable (2)	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>

## 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

Mazda reserves the right to change specifications at any time without incurring obligation. Availability may be limited by location and time. Please consult your local dealer for full details.

\*Requires additional dealer-installed hardware

## Safety & Security

S Standard  
 P Package Option  
 □ Stand-Alone Option  
 R Dealer Installed Accessory  
 X Not Available

### 2008 MAZDA3 5-Door

**s Sport**
**s Touring**
**s Grand  
Touring**

## SAFETY

"Triple-H" construction	S	S	S
3-point safety belts for all seating positions (2 front; 3 rear)	S	S	S
5-mph bumpers	S	S	S
Advanced dual front air bags (SRS) - with crash-zone & driver's seat position/passenger weight sensors (Mazda Advanced Restraint System)	S	S	S
Child-safety rear door locks	S	S	S
Collapsible steering column (following air bag deployment)	S	S	S
"Crushable" brake pedal	S	S	S
Dual front side-impact air bag supplemental restraint system (SRS) - front seat-mounted (front coverage)	S	S	S
Engine immobilizer anti-theft system	S	S	S
Front safety-belt pretensioners with force limiters	S	S	S
Height adjustable front shoulder belt "B" pillar anchors	S	S	S
Horn - single type	S	S	S
Keyless remote panic button feature (on key fob)	S	S	S
LATCH rear seat child safety-seat lower anchors & upper tethers	S	S	S
Side air curtains - front & rear coverage	S	S	S
Side-impact door beams - front and rear	S	S	S
Theft-Deterrent Security System	X	X	S
Tire Pressure Monitoring System (TPMS)	S	S	S
Whiplash-reducing front seat headrests	S	S	S
Dynamic Stability Control (DSC) and Traction Control System (TCS)	X	S	S

Mazda reserves the right to change specifications at any time without incurring obligation. Availability may be limited by location and time. Please consult your local dealer for full details.

\* Always wear your safety belt and secure children in the rear seat.

## Options & Accessories

■ Standard  
 ■ Package Option  
 ■ Stand-Alone Option  
 ■ Dealer Installed Accessory  
 ■ Not Available

### 2008 MAZDA3 5-Door

s Sport

s Touring

s Grand  
Touring

## AUDIO / VISUAL ELECTRONICS

In-dash 6-disc CD changer, MP3 compatible	□ ■	□ ■	□ ■
Remote engine start (A/T only)	□ ■	□ ■	□ ■
SIRIUS Satellite radio w/6 month subscription (N/A AK & HI)	□ ■	□ ■	□ ■

## EXTERIOR FEATURES

Front air dam	□ ■	□ ■	□ ■
Door edge guards	□ ■	□ ■	□ ■
Fuel-filler door, pearl satin	□ ■	□ ■	□ ■
Moonroof wind deflector	□ ■	□ ■	□ ■
Rear bumper guard	□ ■	□ ■	□ ■
Wheel locks	□ ■	□ ■	□ ■

## INTERIOR FEATURES

Cargo mat	□ ■	□ ■	□ ■
Cargo net	□ ■	□ ■	□ ■
Cargo tray	□ ■	□ ■	□ ■
Floor mats, All-Weather	□ ■	□ ■	□ ■
Compass/AutoDim Mirror	□ ■	□ ■	□ ■
Compass/AutoDim Mirror with Homelink	□ ■	□ ■	□ ■

Mazda reserves the right to change specifications at any time without incurring obligation. Availability may be limited by location and time. Please consult your local dealer for full details.