

## 2008 MAZDA6 Sport Sedan

### Engine & Mechanical



2008 MAZDA6 Sport Sedan	i SPORT	i SPORT VE	i TOURING	i GRAND TOURING	s SPORT VE	s TOURING	s GRAND TOURING
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### ENGINE

Engine Type	2.3L DOHC 16-valve 4-cylinder with VVT (Type L3X)				3.0L DOHC 24-valve 6-cylinder with VVT (Type AJV)		
Horsepower, SAE net	156 @ 6500 rpm (146 @ 6000 rpm for I4 AT PZEV)				212 @ 6000 rpm		
Torque, SAE net (lb./ft.)	154 @ 4000 rpm (149 @ 4000 rpm for I4 AT PZEV)				197 @ 5000 rpm		
Displacement (cubic inches)	137.9				181.1		
Bore x Stroke (inches)	3.44 x 3.70				3.50 x 3.13		
Compression Ratio	9.7:1				10.0:1		
Valvetrain	4 valves per cylinder, mechanical lifters				4 valves per cylinder, hydraulic lifters		
Redline	6500 rpm						
Engine Block	Aluminum alloy						
Cylinder Heads	Aluminum alloy						

### FUEL ECONOMY

EPA mileage, City/Highway (mpg) – Manual Transmission	21/29	17/25
EPA Mileage, City/Highway (mpg) – Automatic Transmission	21/28	18/25

### FUEL SYSTEM

Fuel injection	Multi-port electronic fuel injection
Fuel tank (gallons)	18.0
Recommended minimum fuel requirement	Regular unleaded 87 octane

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Gear Ratios:

1st	3.307		3.62		3.153		4.148
2nd	1.842		1.925		1.842		2.370
3rd	1.233		1.285		1.258		1.555
4th	0.970		0.933		0.947		1.154
5th	0.755		0.692		0.733		0.859
6th	×		×		×		0.685
Reverse	3.166		3.405		3.002		3.393
Final Drive	4.388		3.863		4.133		3.464

SUSPENSION & CHASSIS

Front suspension	Independent, high-mount double wishbone, coil springs, and stabilizer bar
Rear suspension	Independent, E-type multi-link, coil springs, and stabilizer bar
Shock absorbers	Cylindrical, double-acting
Steering type	Rack-and-pinion
Power assist	Engine-rpm sensitive; variable power-assist
Braking system	Power assist; 4-wheel, 4-sensor, 3-channel Anti-Lock Brake System with Electronic Brakeforce Distribution
Front brakes	Ventilated discs (11.8 x 1.0 inches)
Rear brakes	Solid discs (11.0 x 0.4 inches)

TIRES & WHEELS

Tires	P215/50R17 93V all-season	215 / 45 R18 93W All-season radials
Wheels	7.0JJ x 17	7.0J x 18 (Alloy)

Exterior Features

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EXTERIOR FEATURES

Antenna, roof-mounted (mast-type)	S	S	S	S	S	S	S
Bumpers, front & rear, body-color sport-type	S	S	S	S	S	S	S
Door handles, body-color	S	S	S	S	S	S	S
Fog lights, front	X	X	X	S	X	X	S
Front grille, black mesh with chrome grille bar	S	X	X	X	X	X	X
Front grille, body-color sport-type	X	S	S	S	S	S	S
Headlights, halogen	S	S	S	X	S	S	X
Headlights, HID	X	X	X	S	X	X	S
Headlight housings, clear	S	X	X	X	X	X	X
Headlight housings, black	X	S	S	S	S	S	S
Mirrors, dual power remote, body-color	S	S	X	X	S	X	X
Mirrors, dual power remote heated, body-color	X	X	S	S	X	S	S
Mud guards, front	S	X	X	X	X	X	X
Rear combination lamp, sport type	X	S	S	S	S	S	S
Rear wing spoiler	X	X	X	S	X	X	S
Side moldings, body-color	S	S	S	S	S	S	S
Side sill extensions, body-color	X	S	S	S	S	S	S
Windshield, green-tinted glass with sunshade	S	S	S	S	S	S	S
Windshield wipers, variable-intermittent	S	S	S	S	S	S	S

WHEELS & TIRES

Tires, size / type	P215/50 R17 (S)	P215/50 R17 (S)	P215/50 R17 (S)	P215/50 R17 (S)	P215/50 R17 (S)	P215/50 R17 (S)	P215/45 R18 (S)
Wheels, size / type	17" / Alloy (S)	17" / Alloy (S)	17" / Alloy (S)	17" / Alloy (S)	17" / Alloy (S)	17" / Alloy (S)	18" / Alloy (S)

EXTERIOR DIMENSIONS

Wheelbase (inches)	105.3
Track, front (inches)	60.2
Track, rear (inches)	60.2
Length (inches)	186.8
Width (inches)	70.1
Height (inches)	56.7
Minimum ground clearance, laden (inches)	5.1

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## Interior Features

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## COMFORT & CONVENIENCE

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Air conditioning with pollen filter	S	S	S	S	S	S	S
Heater/Defroster with multiple-speed fan	S	S	S	S	S	S	S
Automatic climate control	X	X	X	S	X	X	S
Heater ducts, rear seat	S	S	S	S	S	S	S
Steering wheel-mounted audio controls, cruise control	S	S	S	S	S	S	S
Center console armrest with covered dual storage compartments	S	S	S	S	S	S	S
Rear seat center armrest with dual cupholders	S	S	S	S	S	S	S
Front seatback storage pocket - driver side	S	S	S	S	S	S	S
Front door storage pockets with bottle holders	S	S	S	S	S	S	S
Coat hooks (2)	S	S	S	S	S	S	S
Coin holder	S	S	S	S	S	S	S
Cup holders, (2) front & (2) rear (in armrest)	S	S	S	S	S	S	S
Defogger, rear window	S	S	S	S	S	S	S
Demisters, front side windows	S	S	S	S	S	S	S
Door locks, power / double action	S	S	S	S	S	S	S
Floor mats, carpeted	S	S	S	S	S	S	S
Glove compartment, illuminated with lock	S	S	S	S	S	S	S
Instrument panel display, center (clock, audio, A/C, outside temp)	S	S	S	S	S	S	S
Ignition switch illumination	S	S	S	S	S	S	S
Delayed courtesy lights (front & rear map lights, front door lights)	S	S	S	S	S	S	S
Map lights, front & rear	S	S	S	S	S	S	S
Mirrors, vanity / driver & passenger / illuminated	S	S	S	S	S	S	S
Mirror, day/night rearview	S	S	S	S	S	S	S
Windows, power with driver/passenger's one-touch-down feature / cancel switch and global close	S	S	S	S	S	S	S
Windows, key activated remote up/down (front only)	S	S	S	S	S	S	S
Moonroof, power with interior sunshade	X	□	□	S	□	□	S
Passenger assist grips (3)	S	S	S	S	S	S	S
12V power outlets (Quantity)	S (1)	S (1)	S (1)	S (1)	S (2)	S (2)	S (2)
Remote keyless illuminated entry with trunk lid release	S	S	S	S	S	S	S
Tilt & telescopic steering wheel	S	S	S	S	S	S	S
	X	S	S	S	S	S	S

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Steering wheel, leather-wrapped							
Shift knob, leather-wrapped	✕	✓	✓	✓	✓	✓	✓
Parking brake handle, leather-wrapped	✕	✓	✓	✓	✓	✓	✓
Remote releases, trunk lid / fuel door / hood	✓	✓	✓	✓	✓	✓	✓
Sunglasses holder, overhead	✓	✓	✓	✓	✓	✓	✓
Auto-dimming inner mirror	✕	✕	✕	✓	✕	✕	✓
Auto-dimming inner mirror with Homelink® system	✕	✕	✕	✓	✕	✕	✓

## SEATING & TRIM

Seats, reclining front bucket type	✓	✓	✓	✓	✓	✓	✓
60/40 split fold-down rear seats with remote operation	✓	✓	✓	✓	✓	✓	✓
Headrests, front height-adjustable	✓	✓	✓	✓	✓	✓	✓
Headrests, rear	✓	✓	✓	✓	✓	✓	✓
Heated front seats	✕	✕	✓	✓	✕	✓	✓
Driver's seat with manual height adjustment	✓	✕	✕	✕	✕	✕	✕
8-way power driver's seat w/ manual adj. lumbar support	✕	✓	✓	✓	✓	✓	✓
Seats, cloth	✓	✓	✕	✕	✓	✕	✕
Seats, leather-trimmed	✕	✕	✓	✓	✕	✓	✓
Door trim, cloth	✓	✓	✕	✕	✓	✕	✕
Door trim, synthetic leather	✕	✕	✓	✓	✕	✓	✓
Power window switch panel trim, dark gray	✓	✓	✓	✓	✓	✓	✓
Instrument panel trim insert, dark gray	✕	✓	✓	✓	✓	✓	✓
Scuff plates, color-keyed	✓	✓	✓	✓	✓	✓	✓

## AUDIO / ENTERTAINMENT SYSTEMS

AM/FM/CD 6-speaker sound system (4 full-range door speakers & 2 tweeters)	✓	✓	✕	✕	✕	✕	✕
Sirius satellite radio-compatible audio system (requires add'l hardware)	✓	✓	✓	✓	✓	✓	✓
BOSE 7-speaker sound system (200-watt) with amplified subwoofer	✕	✕	✓	✓	✕	✓	✓
In-dash 6-disc CD changer	✕	✓	✓	✓	✓	✓	✓
Navigation, voice-activated system with retractable 7" display	✕	✕	✕	□	✕	✕	□

## INSTRUMENT PANEL

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Interior Features

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Gauges, black with white lettering & red nighttime illumination	S	S	S	X	S	S	X
Gauges, electroluminescent with red nighttime illumination	X	X	X	S	X	X	S
Tachometer	S	S	S	S	S	S	S
Trip odometers (2), resettable	S	S	S	S	S	S	S
Warning lights: Air bags, Battery charge, Check engine, Door ajar, High-beam, Low fuel, Oil pressure, Parking brake, Seat belts	S	S	S	S	S	S	S

INTERIOR DIMENSIONS

Headroom without moonroof, front/rear (inches)	38.7/37.1
Headroom with moonroof, front/rear (inches)	38.0/37.1
Shoulder room, front/rear (inches)	55.9/55.2
Leg room, front/rear (inches)	42.3/36.5
Hip room, front/rear (inches)	54.7/54.1
Rear knee clearance (inches)	2.4

CAPACITIES

Passenger volume (cubic feet)	96.1
Cargo volume (cubic feet)	15.2

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Safety & Security

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SAFETY & SECURITY

"Triple H" body construction	S	S	S	S	S	S	S
Side-impact door beams, front & rear	S	S	S	S	S	S	S
"Crushable" brake and accelerator pedal assembly	S	S	S	S	S	S	S
Whiplash-reducing front seat headrests	S	S	S	S	S	S	S
Front safety-belt pretensioners with force-limiters	S	S	S	S	S	S	S
3-point safety belts - all seating positions	S	S	S	S	S	S	S
Dual front air bag supplemental restraint system (SRS)	S	S	S	S	S	S	S
Side Air Bags/Side Air Curtains (SAB/SAC)	S	S	S	S	S	S	S
Side-impact air bags, front coverage	S	S	S	S	S	S	S
Side air curtains, front & rear coverage	S	S	S	S	S	S	S
Child safety rear door locks	S	S	S	S	S	S	S
Rear seat headrests	S	S	S	S	S	S	S
LATCH system - rear seat child safety seat lower anchors & upper tethers	S	S	S	S	S	S	S
Trunk entrapment release system	S	S	S	S	S	S	S
Anti-theft alarm system	×	S	S	S	S	S	S
Tire Pressure Monitoring System (TPMS)	S	S	S	S	S	S	S
Engine-immobilizer anti-theft system	S	S	S	S	S	S	S

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



Options & Accessories

	i SPORT	i SPORT VE	i TOURING	i GRAND TOURING	s SPORT VE	s TOURING	s GRAND TOURING
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OPTION PACKAGES

Navigation System	✕	✕	✕	□	✕	✕	□
5-Speed Sport AT	✕	□	Ⓢ	Ⓢ	✕	✕	✕
6-Speed Sport AT	✕	✕	✕	✕	□	Ⓢ	Ⓢ
Emissions Equipment - CA/MA/ME/NY/VT/CT/RI/PA	□	□	□	□	□	□	□

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