

2006 MAZDA6 SPORTS SEDAN TECHNICAL SPECIFICATIONS

ENGINE		
Type	2.3L DOHC 16-valve 4-cylinder with VT	3.0L DOHC 24-valve 6-cylinder with VT
Displacement (cu in/cc)	137.9/2,260	181.1/2,968
Bore x Stroke (in)	3.44 x 3.70	3.50 x 3.13
Compression Ratio	9.7:1	10.0:1
Output (SAE net)	160 @ 6,000 rpm PZEV=153 @ 6,000 rpm A/T	215 @ 6,000 rpm
Torque (SAE net)	155 @ 4,000 rpm PZEV=151 @ 4,000 rpm A/T	199 @ 5,000 rpm
Redline	6,500	

FUEL SYSTEM	
Fuel Injection	Multi-port electronic fuel injection
Recommended Fuel	Regular Unleaded
Emission Control	3-way catalytic converter

IGNITION SYSTEM	
System	Full transistor breakerless electronic
Alternator (I-4 / V6)	12V-90 A / 12V-110 A

TRANSMISSION				
Type	Front Wheel Drive (FWD)			
Automatic (I-4)	5-speed Sport A/T			
Automatic (V6)	6-speed Sport A/T			
Gear Ratios : 1	5-speed Manual		Sport A/T	
	I-4	V6	I-4	V6
First	3.31	3.15	3.62	4.15
Second	1.84	1.84	1.93	2.37
Third	1.23	1.26	1.29	1.56
Fourth	0.97	0.95	0.93	1.15
Fifth	0.76	0.73	0.69	0.86
Sixth	N/A	N/A	N/A	0.69
Reverse	3.17	3.00	3.41	3.39
Final Drive	4.39	4.13	3.86	3.46
Clutch Type M/T	Single dry plate with diaphragm spring			
Clutch Type A/T	Torque converter with electronic lock-up			

STEERING AND BRAKES	
Steering Type	Rack-and-Pinion
Power Assist	Engine-rpm sensitive; variable power assist
Turning Diameter (ft)	38.7
Turns Lock-to-Lock	2.54
Overall Ratio	16.1 : 1
Brakes	Power assist, 4-wheel, 4 sensor, 3-channel ABS with EBD
Front	11.8-inch ventilated discs
Rear	11.0-inch solid discs
Parking	Mechanical, hand-operated on rear wheels

CAPACITIES	
Passenger Seating	5
Fuel (gal)	18.0
Oil I-4 / V6 (qts)	4.9 / 6.0
Coolant I-4 / V6 (qts)	7.9 / 10.8
Vehicle Size Category	Midsize
Passenger Volume (cu ft)	96.1
Cargo Volume (cu ft)	15.2
Total Volume (cu ft)	111.3

DIMENSIONS	
	Inches (mm)
Length	186.8 (4,745)
Width	70.1 (1,781)
Height	56.7 (1,440)
Wheelbase	105.3 (2,675)
Min. Ground Clearance (laden)	5.1 (130)
Track	
Front	60.6 (1,539) [i only] 60.2 (1,529)
Rear	60.6 (1,539) [i only] 60.2 (1,529)
Head Room w/ moonroof	
Front	38.0 (965)
Rear	37.1 (942)
Head Room w/o moonroof	
Front	38.7 (983)
Rear	37.1 (942)
Leg Room	
Front	42.3 (1,074)
Rear	36.5 (927)
Shoulder Room	
Front	55.9 (1,420)
Rear	55.2 (1,402)
Hip Room	
Front	54.7 (1,389)
Rear	54.1 (1,374)

TIRES AND WHEELS			
		<i>i</i> & <i>s</i> Sport <i>i</i> Grand Touring & <i>i</i> Grand Sport	<i>s</i> Grand Touring & <i>s</i> Grand Sport
	<i>i</i>		
Tires	P205/60R-16 all-season	P215/50R-17 all-season	P215/45R-18 all-season
Wheels	16 x 6.5 JJ steel	17 x 7.0 JJ aluminum	18 x 7.0 J alloy

SUSPENSION	
Front	Independent, high mount double-wishbone, coil springs and stabilizer bar
Rear	Independent, E-type multi-link, coil springs and stabilizer bar

CURB WEIGHT	
I-4	M/T - 3,091; A/T 3,166
V6	M/T - 3,320; A/T 3,378
GVWR (lbs)	4,312
Weight Distribution % front/rear	60 / 40

FUEL ECONOMY				
	Manual		Sport A/T	
	I-4	V6	I-4	V6
EPA Mileage City/Highway (mpg)	23/32	19/27	24/31	20/27