

2006 MAZDA6 SPORT WAGON AND 5-DOOR TECHNICAL SPECIFICATIONS

ENGINE		
Type	2.3L DOHC 16-valve 4-cylinder with VVT	3.0L DOHC 24-valve 6-cylinder with VVT
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)	95.7 - 5-Door; 98.0 - Wagon
Cargo Volume (cu ft)	22.0 - 5-Door; 33.7 - Wagon
Total Volume (cu ft)	117.7 - 5-Door; 131.7 - Wagon

DIMENSIONS		
	Inches (mm)	
Length	186.8 (4,745) 5-Door	187.8 (4,770) Wagon
Width	70.1 (1,781)	
Height	56.7 (1,440) 5-Door	57.3 (1,455) Wagon
Wheelbase	105.3 (2,675)	
Min. Ground Clearance (laden)	5.1 (130)	
Track		
Front	60.2 (1,529)	
Rear	60.2 (1,529)	
Head Room w/ moonroof		
Front	38.0 (965)	
Rear	36.7 (932) 5-Door	38.6 (980) Wagon
Head Room w/o moonroof		
Front	38.7 (983)	
Rear	36.7 (932) 5-Door	38.6 (980) Wagon
Leg Room		
Front	42.3 (1,074)	
Rear	36.5 (927)	
Shoulder Room		
Front	56.1 (1,425)	
Rear	54.9 (1,394)	
Hip Room		
Front	54.7 (1,389)	
Rear	54.1 (1,374)	

TIRES AND WHEELS		
	5-Door i Sport & s Sport; and Sport Wagon s & s Sport	5-Door s Grand Sport; and Sport Wagon s Grand Touring & s Grand Sport
Tires	P215/50R-17 all-season	P215/45R-18 all-season radials
Wheels	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 - 5-Door	3,172
I-4 Sport A/T - 5-Door	3,223
V6 M/T - 5-Door	3,395
V6 Sport A/T - 5-Door	3,455
V6 M/T - Sport Wagon	3,404
V6 Sport A/T - Sport Wagon	3,461
GVWR (lbs)	4,491
Weight Distribution % front/rear	60 / 40

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