

# 2006 MAZDA MX-5 MIATA TECHNICAL SPECIFICATIONS

ENGINE	
Type	2.0L DOHC 16-valve 4-cylinder engine with VVT
Displacement (cu in/cc)	122.0/1,999
Bore x Stroke (in)	3.44 x 3.27
Compression Ratio	10.8:1
Output (SAE net)	170 @ 6,700 rpm (166 @ 6,700 rpm - 6 A/T)
Torque (SAE net)	140 @ 5,000 rpm
Redline	6,700

FUEL SYSTEM	
Fuel Injection	Multi-port electronic fuel injection
Recommended Fuel	Premium Unleaded
Emission Control	Evaporative purge control. EGR control system. Catalytic converter system.

IGNITION SYSTEM	
System	Distributor Less Ignition (DLI)
Alternator	12V-100 A

TRANSMISSION			
Type	Rear Wheel Drive (RWD)		
Gear Ratios :1	5-speed Manual	6-speed Manual	6-speed Sport A/T
First	3.14	3.82	3.54
Second	1.89	2.26	2.06
Third	1.33	1.64	1.40
Fourth	1.00	1.18	1.00
Fifth	0.81	1.00	0.71
Sixth	N/A	0.83	0.58
Reverse	3.76	3.60	3.17
Final Drive	4.10		
Clutch Type	Single dry plate with diaphragm spring		

STEERING AND BRAKES	
Steering Type	Rack-and-Pinion
Power Assist	Electro-Hydraulic Power Assist Steering (EHPAS)
Turning Diameter (ft)	30.8
Turns Lock-to-Lock	2.7
Overall Ratio	15.0:1
Brakes	Diagonal Hydraulic with ABS
Front	11.4-inch ventilated discs
Rear	11.0-inch solid discs
Parking	Mechanical (lever type)

CAPACITIES	
Passenger Seating	2
Fuel (gal)	12.7
Oil (qts)	4.9
Coolant (qts)	7.5
Vehicle Size Category	Two-Seater
Cargo Volume (cu ft)	5.3

DIMENSIONS	
	Inches (mm)
Length	157.3 (3,995)
Width	67.7 (1,720)
Height	49.0 (1,245)
Wheelbase	91.7 (2,329)
Min. Ground Clearance (laden)	4.6 (117)
Track	
Front	58.7 (1,491)
Rear	58.9 (1,496)
Head Room	
Front	37.4 (950)
Leg Room	
Front	43.1 (1,095)
Shoulder Room	
Front	53.2 (1,351)
Hip Room	
Front	50.6 (1,285)

TIRES AND WHEELS		
	Club Spec/ MX-5/Touring	Sport/ Grand Touring
Tires	P205/50R-16	P205/45R-17
Wheels	16 X 6-1/2 J aluminum alloy	17 X 7 J aluminum alloy

SUSPENSION	
Front	Double Wishbone
Rear	Multilink

CURB WEIGHT		
Curb Weight (lbs)	Manual	Automatic
Club Spec	2,441	-
MX-5	2,474	-
Touring	2,474	2,527
Sport	2,498	2,527
Grand Touring	2,498	2,527
GVWR (lbs)	3,078	
Weight Distribution % front/rear	52/48	

FUEL ECONOMY			
EPA Mileage	5-speed Manual	6-speed Manual	6-speed Sport A/T
City/Highway (mpg) Club Spec	25/30	-	-
City/Highway (mpg) MX-5	25/30	-	-
City/Highway (mpg) Touring	25/30	-	23/30
City/Highway (mpg) Sport	-	24/30	23/30
City/Highway (mpg) Grand Touring	-	24/30	23/30