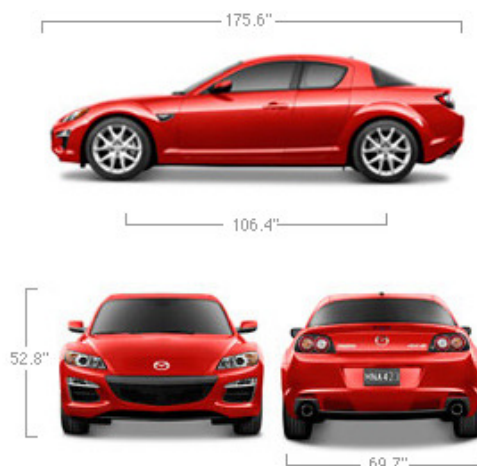


2009 RX-8

Engine & Mechanical



 standard  option  not available



RX-8 at a Glance:



Engine Type

232-hp RENESIS 2-rotor, rotary engine (212-hp - 6-speed Sport automatic transmission)



Motorsports-Inspired R3

R3 trim includes standard 19-inch forged aluminum-alloy wheels, sport-tuned Bilstein® shock absorbers and leather-trimmed Recaro® front sport seats













Available Features

Available 300-watt Bose® audio system, Bluetooth® hands-free phone capability†, heated front seats and Mazda Advanced Keyless Entry & Start System



Safety Features

Standard safety features include advanced front air bags, front side-impact air bags, side air curtains** and Tire-Pressure Monitoring system (TPMS)

2009 RX-8	6-Speed Manual	6-Speed Sport Automatic
Engine		
Engine type	1.3 liter RENESIS 2-rotor rotary	
Horsepower, SAE net	232 @ 8,500	212 @ 7,500
Torque, SAE net (lb./ft.)	159 @ 5,500	159 @ 5,500
Redline	9000	7500
Compression Ratio	10.0 : 1	10.0 : 1
Fuel economy		
Mileage, City/Highway (mpg)†	16 / 22	16 / 23
Fuel system		
Fuel Injection	Multi-port electronic fuel injection	
Required Minimum Fuel Requirement	Premium Unleaded 91 octane	
Drive train		
Type	Rear-Wheel Drive (RWD)	
Gear Ratios (:1)		
1st	3.82	3.54
2nd	2.26	2.06
3rd	1.54	1.40
4th	1.18	1.00
5th	1.00	0.71
6th	0.79	0.58
Reverse	3.60	3.17
Final Drive	4.78	4.30
Power Train		
Lightweight carbon fiber driveshaft		
6-speed manual overdrive transmission (short-throw shifter)		
6-speed automatic transmission with paddle shifters and Adaptive Shift Logic		
Low-pressure main exhaust muffler		
Single exhaust with dual outlets		
Chassis		

Body type	Unibody with front and rear suspension subframe	
Front suspension	Double wishbone	
Rear suspension	Multilink	
Steering type	Rack-and-pinion	
Power assist	Direct-drive electronic power steering	
Overall steering ratio	16.4:1	
Steering wheel Turns-to-Lock	3.0	
Turning circle, Curb-to-Curb (feet)	34.8	
Turning circle, Wall-to-wall (feet)	36.8	
Braking system	Power-assist 4-wheel disc brakes with Anti-lock Brake System (ABS) and Electronic Brakeforce Distribution (EBD)	
Front brakes	Ventilated discs (12.7 inches)	
Rear brakes	Ventilated discs (11.9 inches)	
Parking brake	Mechanical (lever-type)	
Tires and Wheels		
Tires	225/45R18 / 225/40R19 (R3)	
Wheels	18-inch alluminum alloy / 19-inch forged alluminum alloy (R3)	
Tire Brand	Bridgestone	
Weights		
Weight distribution front / rear	52 / 48	
Curb weight, federal spec (lbs.)	3111	3064
Gross Vehicle Weight Rating (lbs.)	3858	3818
Capacities		
Oil (U.S. quarts)	6.7	6.0
Engine Coolant (U.S. quarts)	9.4	9.2
Fuel Tank (gallons)	16.9	
Passenger Volume, EPA (cubic feet)	89.0	
Cargo Volume, SAE (cubic feet)	7.6	

2009 RX-8



Exterior

standard option not available

2009 RX-8	Sport	Touring	Grand Touring	R3
Exterior Features				
Halogen headlights		--	--	--
Auto on/off headlights	--	--		--
Self-leveling Xenon low-beam headlights	--			
Fog lights	--			
Mazda advanced keyless entry and start system	--	--		
Dual power remote mirrors			--	--
Heated dual power remote mirrors	--	--		--
Power sliding glass moonroof with one-touch open and sunshade	--			--
Variable-intermittent wipers				
Rain-sensing wipers	--	--		--
Heat absorbent windshield glass / tinted with sunshade				
Remote keyless illuminated entry				
Side sills	--	--	--	
Rear wing spoiler	--	--	--	
Rear lip spoiler	on MT	on MT	on MT	--
Wheels & Tires				
18-inch aluminum alloy with 225/45 R18 tires				--
19-inch forged aluminum alloy with 225/40 R19 tires	--	--	--	
Wheel locks				
Exterior Dimensions				
Wheelbase (inches)	106.4			
Track, front (inches)	59.1 / 59.3 (R3)			
Track, rear (inches)	59.3 / 59.4 (R3)			
Length (inches)	175.6			
Width (inches)	69.7			
Height (inches)	52.8			
Minimum ground clearance, laden (inches)	4.7			
Coefficient of Drag (cd)	0.30			




















2009 RX-8



Interior

standard option not available

2009 RX-8	Sport	Touring	Grand Touring	R3
Comfort and Convenience				
Air conditioning				
Automatic climate control				
Alarm system with engine immobilizer				
Bluetooth® hands-free phone capability†				
Cruise control with steering wheel-mounted controls				
Rear window defogger				
Power front windows with one-touch up/down				
Power door locks				
DVD navigation system with in-dash 7-inch LCD touch screen				
Carpeted front / rear floor mats				
Ignition key illumination				
Lighting, door / overhead dimming, dual map lights				
Manual day/night rearview mirror				
Auto-dimming rearview mirror with HomeLink®				
Illuminated visor vanity mirrors				
12-volt power outlet				
Black scuff plates with aluminum accents				
Leather-wrapped tilt steering wheel				
Aluminum and leather-wrapped shift knob	on MT	on MT	on MT	
Leather-wrapped w/ silver accent shift knob	on AT	on AT	on AT	
Urethane parking brake				
Leather-wrapped parking brake				
Aluminum foot pedals including foot rest	on MT	on MT	on MT	
Tire Pressure Monitoring System (TPMS)				
Seating				
Cloth-trimmed seats with cloth-trimmed door panels				
Leather-trimmed seats with synthetic leather-trimmed door panels				
Bucket seats with integrated headrests				
Front Recaro® sport seats				
Heated front seats				
8-way power driver's seat w/ 3-position memory				
Driver's seat tilt function				
Passenger seat tilt recline function for ingress/egress to rear seats				
Storage Features				
Overhead storage console with sunglasses holder				
Illuminated & locking glove box				
Cup holders, 2 front / 2 rear				
Rear storage console with lid				
Audio Features				





























AM/FM/CD audio system with 6 speakers		--	--	--
AM/FM/ in-dash 6-disc CD changer audio system with 6 speakers	--		--	--
Bose® 300-watt Centerpoint® Surround System with AudioPilot®, AM/FM/ in-dash 6-disc CD changer and 9 speakers	--			
In-dash 6-disc CD/MP3-compatible changer		--	 w/ Navigation	--
Auxiliary-audio input jack				
SIRIUS Satellite Radio System (includes 6-month free subscription)				
Rear glass mounted antenna				
Interior Dimensions				
Seating capacity	4			
Headroom without moonroof, front/rear (inches)	38.2 / 36.8			
Headroom with moonroof, front/rear (inches)	36.7 / 36.5			
Shoulder room, front/rear (inches)	54.8 / 54.9			
Leg room, front/rear (inches)	42.7 / 32.2			
Hip room, front/rear (inches)	53.3 / 48.1			
Capacities				
Passenger volume, EPA (cubic feet)	89.0			
Cargo volume, SAE (cubic feet)	7.6			

2009 RX-8

Safety



 standard  option  not available




2009 RX-8	Sport	Touring	Grand Touring	R3
Safety and Security				
Advanced front air bags with seat belt-use, passenger-weight and driver's seat-position sensors**				
Air bags: front/side/curtain for driver & front passenger**				
Engine-immobilizer with antitheft alarm system**				
Front seat belts - 3-point with pretensioners & force limiters**				
Tire-Pressure Monitoring System (TPMS)				
Anti-lock Brake System (ABS) w/ Electronic Brakeforce Distribution (EBD)				
Dynamic Stability Control (DSC)†† w/Traction Control System (TCS)				

2009 RX-8



Options & Packages

 standard  option -- not available

2009 RX-8	Sport	Touring	Grand Touring	R3
Packages & Options				
Premium Package 1	--		--	--
<ul style="list-style-type: none"> • Bose® 300-watt Centerpoint® Surround System with AudioPilot® and 9 speakers • Power sliding glass moonroof with one-touch open and sunshade • SIRIUS Satellite Radio System (includes 6-month free subscription) 				
Premium Package 2	--	--		--
<ul style="list-style-type: none"> • Power sliding glass moonroof with one-touch open and sunshade • SIRIUS Satellite Radio System (includes 6-month free subscription) 				
DVD navigation system with in-dash 7" LCD touch screen	--	--		--

* MSRP includes destination charges but excludes tax, title and license fees. Destination charges may vary in Alaska and Hawaii. Vehicles displayed may contain optional equipment at additional costs. Actual dealer price may vary.

† EPA-estimated mileage. Actual results may vary.

‡ The Bluetooth® system functions only with select manufactured phones. Please consult www.MazdaUSA.com/bluetooth for device compatibility.

** Always wear your seat belt and secure children in the rear seats in appropriate child restraints.

†† Dynamic Stability Control (DSC) is an electronic system to help the driver maintain control under adverse conditions. It is not a substitute for safe driving practices. Factors including speed, road conditions and driver steering input can all affect whether DSC will be effective in preventing loss of control. Please see the Owner's Manual for further details.