

RX-8 at a Glance:



Engine Type

232-hp, RENESIS 2-rotor, rotary engine with 6-speed manual transmission (212-hp, 6-speed Sport automatic transmission) and 3-stage variable induction system (VIS)



Motorsports-Inspired R3

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



Available Features

Available 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-impact air curtains** and Tire-Pressure Monitoring System (TPMS)

2010 RX-8	6-Speed Manual	6-Speed Sport Automatic
Engine		
Engine type	1.3-liter 2-rotor rotary	1.3-liter 2-rotor rotary
Engine code	RENESIS	RENESIS
Horsepower	232 hp @ 8500 rpm	212 hp @ 7500 rpm
Torque (lb-ft)	159 lb-ft @ 5500 rpm	159 lb-ft @ 5500 rpm
Redline	9000 rpm	7500 rpm
Displacement (cc)	1308	1308
Compression ratio	10.0 : 1	10.0 : 1
Fuel system	Multi-port electronic fuel injection	Multi-port electronic fuel injection
Required fuel	Premium unleaded (91 octane)	Premium unleaded (91 octane)
Ignition system	Electronic 4-coil with iridium-tipped multi-electrode spark plugs	Electronic 4-coil with iridium-tipped multi-electrode spark plugs
Induction system	6 side intake ports with 3-stage variable induction system (VIS) and variable fresh air duct	6 side intake ports with 3-stage variable induction system (VIS) and variable fresh air duct
Exhaust	Stainless steel with low-backpressure main muffler	Stainless steel
Rotor housing	Aluminum with chrome-steel liner	Aluminum with chrome-steel liner
Side housing	Cast iron	Cast iron
Emission control type (Fed/Cal)	Tier2 Bin5 / ULEV II	Tier2 Bin5 / ULEV II
Fuel economy		
EPA mileage (city/hwy)†	16 / 22	16 / 23
Drivetrain		
Type	Front-midship engine rear-wheel drive (RWD) with powerplant frame	Front-midship engine rear-wheel drive (RWD) with powerplant frame
Transmission	Close-ratio 6-speed manual with short-throw direct linkage shifter	6-speed electronically-controlled Sport AT with paddle shifters and Adaptive Shift Logic
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
Driveshaft	Carbon fiber	Steel
Limited-slip type	Torque-sensing conical limited-slip differential	--
Chassis		
Body type	Monocoque unibody with backbone frame construction and front and rear suspension subframes	
Brakes	4-wheel disc brakes with 4-wheel Anti-lock Brake System (ABS) and Electronic Brakeforce Distribution (EBD)	
- Front	12.7-inch vented disc	
- Rear	11.9-inch vented disc with aluminum calipers	
Steering type	Rack-and-pinion	
Power assist	Direct-drive electric	
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	
Suspension	4-wheel independent	
- Front	Double wishbone with forged aluminum control arms	
- Rear	Multilink with tubular control arms and aluminum hubs	
- Stabilizer bar (front)	26.5 mm	
- Stabilizer bar (rear)	16.0 mm	
Shock absorbers	Sport-tuned twin-tube (performance-tuned Bilstein® monotube on R3)	
Wheel size (in)	18 x 8.0 (19 x 8.0 on R3)	
Tire size	225/45R18 (225/40R19 on R3)	
Tire manufacturer	Bridgestone	
Weights / Capacities / Aerodynamics		
Curb weight (lbs)	3064	3111
Weight distribution (front/rear)	52/48	52/48
Fuel capacity (gallons)	16.9	16.9
Oil capacity (quarts)	6.7	6.0
Coefficient of drag (Cd)	0.30	0.30

2010 RX-8



Exterior

standard option not available

2010 RX-8	Sport	Grand Touring	R3
Exterior Features			
Halogen headlights		--	--
Self-leveling Xenon High-Intensity-Discharge (HID) headlights	--		
Auto-off headlights	--		--
Halogen fog lights	--		
Body-color bumpers			
Aluminum-alloy hood and rear doors			
UV-reducing windshield			
Variable-intermittent windshield wipers			
Rain-sensing windshield wipers	--		--
In-glass antenna			
Rear window defogger			
Power sliding-glass moonroof with one-touch-open feature and interior sunshade	--		--
Dual power outside mirrors		--	
Dual heated, power outside mirrors	--		--
Freestyle door system			
Body-color door handles			
Side sill extensions	--	--	
Rear lip spoiler	(MT)	(MT)	--
Rear wing spoiler	--	--	
LED taillights			
Dual exhaust with chrome tips			
Wheels & Tires			
18-inch aluminum-alloy wheels			--
19-inch BBS forged aluminum-alloy wheels	--	--	
Wheel locks			
225/45R18 summer performance tires			--
225/40R19 summer performance tires W-speed rated	--	--	
Exterior Dimensions			
Wheelbase (in)	106.4	106.4	106.4
Track, front (in)	59.1	59.1	59.3
Track, rear (in)	59.3	59.3	59.4
Length (in)	175.6	175.6	175.6
Width (in)	69.7	69.7	69.7
Height (in)	52.8	52.8	52.8
Minimum ground clearance - laden (in)	4.7	4.7	4.7

Interior

standard option not available

2010 RX-8	Sport	Grand Touring	R3
Comfort and Convenience			
Manual air conditioning with pollen filter			
Automatic climate control with pollen filter			
Power windows with driver's one-touch down/up feature			
Power door locks with 2-stage unlocking and auto-locking feature			
Remote keyless entry system			
Mazda Advanced Keyless Entry & Start System			
Tilt steering wheel			
Heated front seats			
Cruise control with steering-wheel-mounted controls			
Bluetooth® hands-free phone capability‡			
Manual day/night rearview mirror			
Auto-dimming rearview mirror with HomeLink®			
Illuminated visor vanity mirrors			
12-volt power outlet (1)			
Remote trunk and fuel-door release			
Dual front map lights, glovebox and cargo area light			
Illuminated ignition switch			
Rear window defogger			
Storage			
Lockable glove compartment			
Center console with covered storage			
Overhead sunglasses holder			
Rear console with covered storage			
Dual front and rear cup holders			
Seating & Trim			
4-passenger seating			
Manually-adjustable front seats			
8-way power-adjustable driver's seat with lumbar support and memory			
Recaro® front sport leather- and cloth-trimmed seats			
Rear bucket seats with trunk pass through			
Cloth-trimmed sport seats			
Leather-trimmed sport seats			
Leather-wrapped steering wheel			
Leather-wrapped shift knob with aluminum accent	(MT)	(MT)	
Leather-wrapped shift knob with silver accent	(AT)	(AT)	
Leather-wrapped parking brake handle			
Aluminum pedals	(MT)	(MT)	
Door sill plates with aluminum inserts			

Carpet floor mats	Ⓢ	Ⓢ	Ⓢ
Audio & Navigation			
AM/FM/CD stereo with 6 speakers	Ⓢ	--	--
Bose® Centerpoint® Surround Sound System with AudioPilot®, AM/FM stereo, in-dash 6-disc CD changer and 9 speakers	--	Ⓢ	Ⓢ
SIRIUS Satellite Radio-compatible audio system**	Ⓢ	Ⓢ	Ⓢ
SIRIUS Satellite Radio with free 6-month subscription	□	Ⓢ	□
Steering-wheel-mounted audio controls	Ⓢ	Ⓢ	Ⓢ
Bluetooth® hands-free phone capability‡	--	Ⓢ	Ⓢ
Auxiliary-audio input jack	Ⓢ	Ⓢ	Ⓢ
DVD navigation system with 7-inch LCD touch screen	--	□	--
Instrumentation			
White on black gauges with red and blue nighttime illumination	Ⓢ	Ⓢ	Ⓢ
Analog tachometer, coolant temperature and fuel gauges	Ⓢ	Ⓢ	Ⓢ
Digital speedometer	Ⓢ	Ⓢ	Ⓢ
Center instrument panel with audio, HVAC and ambient temperature display	Ⓢ	Ⓢ	Ⓢ
Dual trip odometers	Ⓢ	Ⓢ	Ⓢ
Interior Dimensions & Capacities			
Headroom, front/rear (without moonroof) (in)	38.2/36.8	--	38.2/36.8
Headroom, front/rear (with moonroof) (in)	--	36.7/36.5	--
Shoulder room, front/rear (in)	54.8/54.9	54.8/54.9	54.8/54.9
Hip room, front/rear (in)	53.3/48.1	53.3/48.1	53.3/48.1
Legroom, front/rear (in)	42.7/32.2	42.7/32.2	42.7/32.2
EPA passenger volume (cu ft)	89.0	89.0	89.0
EPA cargo volume (cu ft)	7.6	7.6	7.6

2010 RX-8



Safety

 standard  option  not available


2010 RX-8	Sport	Grand Touring	R3
Safety and Security			
Advanced front air bags with seat belt-use, passenger-weight and driver's seat-position sensors††			
Front side-impact air bags and side-impact air curtains††			
3-point seat belts for all 4 seating positions			
Front seat-belt pretensioners with force limiters			
Anti-lock Brake System (ABS) with Electronic Brakeforce Distribution (EBD)			
Dynamic Stability Control (DSC)†† and Traction Control System (TCS)			
LATCH child-safety-seat anchors & upper tethers			
Side-impact door beams - front and rear			
Collapsible steering column			
Keyless remote panic button (on key fob)			
Engine-immobilizer antitheft system			
Antitheft alarm system			
Wheel locks			
Tire-Pressure Monitoring System (TPMS)			

2010 RX-8



Options & Packages

 standard  option  not available

2010 RX-8	Sport	Grand Touring	R3
Packages & Options			
Navigation System <ul style="list-style-type: none"> DVD-based with 7-inch 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.

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† 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.

** SIRIUS Satellite Radio-compatible audio system requires additional dealer-installed hardware and subscription.

†† 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.