

2008 RX-8

Engine & Mechanical



S Standard
 P Package Option
 Q Stand-Alone Option
 R Dealer Installed Accessory
 X Not Available

2008 RX-8

6-Speed Sport Automatic

6-Speed Manual

ENGINE

	1.3 liter RENESIS 2-rotor rotary	1.3 liter RENESIS 2-rotor rotary
Engine type		
Horsepower, SAE net	212 @ 7,500	232 @ 8,500
Torque, SAE net (lb./ft.)	159 @ 5,500	159 @ 5,500
Redline	7500	9000
Displacement (L)	0.654L x 2	0.654L x 2
Bore x Stroke (inches)	X	X
Compression Ratio	10.0 : 1	10.0 : 1

DRIVETRAIN

Type	Rear-Wheel Drive (RWD)	
Transmissions	6-speed electronic automatic	6-speed manual
Clutch type for manual transmission	X	Single dry plate with diaphragm spring
Clutch Size	X	236x160
Gear Ratios (:1)		
1st	3.538	3.760
2nd	2.060	2.269
3rd	1.404	1.645
4th	1.000	1.187
5th	0.713	1.000
6th	0.582	0.843

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2008 RX-8	6-Speed Sport Automatic	6-Speed Manual
Reverse	3.168	3.564
Final Drive	4.300	4.444

FUEL ECONOMY

EPA Mileage, City/Highway (mpg) (6-speed Automatic Transmission)	16/23*
EPA Mileage, City/Highway (mpg) (6-speed Manual Transmission)	16/22*

* These estimates reflect new EPA methods beginning with 2008 models

FUEL SYSTEM

Fuel Injection	Multi-port electronic fuel injection
Required Minimum Fuel Requirement (rating)	Premium Unleaded 91 octane

CHASSIS

Body type	Unibody with front and rear suspension subframe	
Front suspension	Double wishbone	
Rear suspension	Multi-link	
Steering type	Rack-and-pinion	
Power assist	Direct-drive electronic power steering	
Overall steering ratio	16.43:1	
Steering wheel Turns-to-Lock	2.99	
Turning circle, Curb-to-Curb (feet)	34.8	
Turning circle, Wall-to-wall (feet)	36.8	
Braking system	Power assist; 4-wheel Anti-Lock Brake System with Electronic Brakeforce Distribution	
Front brakes	Ventilated discs (11.9 inches)	Ventilated discs (12.7 inches)
Rear brakes	Ventilated discs (11.9 inches)	

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6-Speed Sport Automatic **6-Speed Manual**

TIRES & WHEELS

Tires	225/55R16 (Sport AT) / 225/45R18	225/45R18
Wheels	16x7.5J (Sport AT) / 18x8JJ	18x8JJ
Tire Brand	Bridgestone	

WEIGHTS

Weight distribution, % front: rear	50 / 50	
Curb weight, federal spec (lbs.)	3083	3053

2008 RX-8



Exterior

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 ✕ Not Available

2008 RX-8	Sport	Touring	Grand Touring	40 th Anniversary Edition
EXTERIOR FEATURES				
Front fog lamps	P	S	S	S
Xenon headlights, auto leveling High Intensity Discharge (HID)	P	S	S	S
Headlights, halogen	S	✕	✕	✕
Mazda advanced keyless entry and start system	✕	✕	S	S
Dual power remote / body colored mirrors	S	S	✕	✕
Mirrors, heated dual power remote / body colored	✕	✕	S	S
Moonroof, power sliding glass with one-touch open and sunshade	✕	S	S	S
Remote keyless illuminated entry	S	S	S	S
Windshield, heat absorbent glass / tinted with sunshade	S	S	S	S
Wipers, variable intermittent	S	S	S	S
Free style doors for easy passenger access	S	S	S	S
Dual chrome tailpipe garnish	S	S	S	S
Rear window with integrated radio antenna	S	S	S	S
Engine cover, silver	✕	✕	✕	S
40 th anniversary emblem	✕	✕	✕	S

EXTERIOR DIMENSIONS

Wheelbase (inches)	106.4
Track, front (inches)	58.9
Track, rear (inches)	59.3
Length (inches)	174.3
Width (inches)	69.7
Height (inches)	52.8
Minimum ground clearance, laden (inches)	4.7
Coefficient of Drag (cd)	0.31

TIRES & WHEELS

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Tires	225/55R16 / 225/45R18	225/45R18
Wheels	16x7.5J / 18x8JJ	18x8JJ
Tire brand	Bridgestone	

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Interior





















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2008 RX-8	Sport	Touring	Grand Touring	40 th Anniversary Edition
COMFORT & CONVENIENCE				
Air bags, driver and passenger front, side, head curtain	S	S	S	S
Air conditioning, CFC-Free	S	S	S	S
Alarm system with engine immobilizer	S	S	S	S
Cigarette lighter with ash tray	S	S	S	S
Cruise control with steering wheel mounted controls	S	S	S	S
Cup holders, 2 front / 2 rear	S	S	S	S
Defogger, rear window with auto shutoff	S	S	S	S
Demisters, front side windows	S	S	S	S
Door locks, power with front passenger switch illumination	S	S	S	S
DVD - navigation system with retractable 7" LCD screen	✕	✕	□	□
Floor mats, carpeted front/rear	S	S	S	S
Foot pedals, aluminum including foot rest	S on MT ✕ on AT	S on MT ✕ on AT	S on MT ✕ on AT	S on MT ✕ on AT
Glove box, illuminated & locking	S	S	S	S
Heater/Defroster, with rear duct	S	S	S	S
Ignition key illumination	S	S	S	S
Lighting, door / overhead dimming, dual map lights	S	S	S	S
Rear view mirror with autodim, HomeLink [®] , day/night view	✕	S	S	S
Mirror, vanity / driver & passenger / illuminated	S	S	S	S
Parking brake, urethane handle with bright button	S	S	S	S
Power outlet	S	S	S	S
Power windows, illuminated switches with driver's one-touch-down feature	S	S	S	S
Rear storage console with lid	S	S	S	S
Remote releases, trunk lid / fuel door / hood	S	S	S	S
Scuff plates, black with aluminum accents	S	S	S	S
Seat upholstery, cloth with cloth door trim	S	S	✕	✕
Seat upholstery, leather with synthetic leather door trim	✕	✕	S	S

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Seats, bucket type with integrated head restraints				
Seats, heated (front)				
Seats, power driver's seat (8 way)				
Shift knob, aluminum and leather wrapped	 on MT  on AT	 on MT  on AT	 on MT  on AT	 on MT  on AT
Shift knob, leather wrapped w/silver accent	 on AT  on MT	 on AT  on MT	 on AT  on MT	 on AT  on MT
Steering Wheel, leather wrapped with tilt				
Storage console, overhead with sunglasses holder				
Tire Pressure Monitoring System (TPMS)				
Trip odometer, two resettable				
Warning lamps: air bags, battery, brake, engine, fuel, high-beam, oil, seat belt, tire pressure				

AUDIO FEATURES

AM/FM stereo w/single CD player and six speakers				
Antenna, mounted in rear glass				
Bose® 9-speaker 300 watt sound system				
In-dash 6-CD changer				
SIRIUS Satellite Radio® system with 1 year free subscription				

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
Cargo volume, SAE (cubic feet)	7.575

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Safety

Standard Package Option Stand-Alone Option Dealer Installed Accessory Not Available

2008 RX-8	Sport	Touring	Grand Touring	40 th Anniversary Edition
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SAFETY & SECURITY

Air bags: front/side/curtain for driver & front passenger				
Alarm with immobilizer				
Front seatbelts - 3-point with pretensioners & force limiters				
Tire Pressure Monitoring System (TPMS)				
Anti-lock brake system w/EBD				
Dynamic Stability Control (DSC) w/Traction Control				

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* Always wear your safety belt and secure children in the rear seat.

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Packages & Options

 Standard  Package Option  Stand-Alone Option  Dealer Installed Accessory  Not Available

2008 RX-8	Sport	Touring	Grand Touring	40 th Anniversary Edition
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PACKAGES & OPTIONS

Performance Package MT

- Xenon headlights
- DSC with traction control
- Fog lamps



Performance Package AT

- Xenon headlights
- DSC with traction control
- Fog lamps
- Tochigi Fuji Limited Slip Differential
- 18" alloy wheels and 225/45R18 tires
- Larger brakes*
- Sport Tuned suspension*



Navigation System



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* Performance Package AT, includes the following optional features for the Sport AT -Tochigi Fuji Limited Slip Differential, 18" alloy wheels and 225/45R18 tires, larger front brakes, and sport tuned suspension.