



THE RX7

This, the latest RX7, is a silent testimonial to Mazda achievement. Silent because the rotary engine is so free-revving that an alarm buzzer is fitted to warn you just before you reach peak revs.

True Sports Car

Every inch of the RX7 tells you it's a sports car.

This fact is heavily reinforced the moment you slip into the luxurious cockpit. Get comfortable, adjust the bucket seats for angle, lumbar support and leg room and make sure the headrest is right.

Note the position of the five-speed gearbox, just a wrist-flick away. Switches for the electric windows

and the radio/stereo cassette are at your fingertips. Indeed, all controls are handily placed, and a quick glance round them will indicate how well equipped the RX7 is.

Full Instruments

Clearly visible through the sporty three-spoke steering wheel is the full range of instruments including the rev counter. The aerial for the radio-stereo cassette is electrically operated, as are the two door mirrors. The

steel sun roof also comes as standard, but rather than continue with the list, the full specification on the following pages is the place to check all the features of the RX7.

Unique Experience

But the real treat is driving the RX7, an experience as unique as the car itself. The whole concept of the engine is to reduce friction — and the twin rotors do just that.

The elimination of many of the moving parts



associated with conventional units reduces the noise, whilst the rotary concept also excludes the contra-movement of a traditional piston engine.

What transpires is a smooth, high-revving but quiet engine equivalent to 2.3 litres, arguably the most powerful for its size in the world.

Forceful Acceleration

Exciting and exhilarating, it will take you from 0-60 mph in a forceful 8.8 seconds — on economy 91 octane fuel.

Visibility is first class: you'll see what's coming and equally what you've just overtaken, through the wide curved front and rear windows.

In these days of heavy legislation top speed is perhaps of limited benefit.



springs anti-roll bar, gas filled dampers, and four trailing arms and watts linkage on the rear add up to a firm, stable ride — very much in the true tradition of a sports car.

Positive Steering

This is emphasised by

the use of recirculating ball and nut steering, positive and light, providing the right 'feel' for this exhilarating sports coupe.

Naturally, Mazda haven't stopped at that, for the servo-assisted ventilated disc brakes are designed to bring this spirited

thoroughbred to a swift stop.

The RX7 is such a totally different concept in sports car engineering that for their rotary engine alone Mazda will have earned a place in the motoring Hall of Fame.



Capable though it is in this area, the 120 mph RX7's true character is expressed in its handling — with the car's weight distribution of 51 per cent front, 49 per cent rear, this car has the poise of a true athlete.

But the sheer excellence of Mazda's innovative engineering is particularly apparent in the RX7's suspension. The independent front has coil springs and an anti-roll bar.

But the springs have been specially tapered, so that they compress into each other, making the suspension more responsive.

And once again, coil

RX7 FEATURES AND SPECIFICATIONS

INTERIOR

- Digital clock
- 3-speed fan
- Oil pressure gauge
- Water temperature gauge
- Voltmeter
- Rev counter
- Trip meter
- Remote fuel flap release
- Remote hatch release
- Rheostat
- Adjustable headrests
- Handbrake warning light
- Coolant level warning light
- Washer fluid level warning light
- Oil warning light
- Rear fog lamp on warning light
- Folding rear seat
- Luggage tonneau cover
- Tool kit
- Cigar lighter
- Map reading light
- Independent aerial switch
- Ignition key cylinder light
- Door key cylinder light
- 4 x 9 watt stereo radio/cassette

EXTERNAL

- Alloy wheels
- Low profile tyres
- Halogen headlamps
- Laminated windscreen
- Heated rear window
- Twin electric door mirrors
- Integral rubbing strip
- Side indicators
- Reversing lights
- Rear fog lamp
- Front and rear towing hooks
- Rear wash/wipe
- Steel sunroof (tilt and removable)
- 5-speed gearbox
- Power windows
- 2-speed wipers
- Intermittent and flick wipe
- Electric windscreen washers
- Electric headlamp washers
- Electric aerial

ENGINE

Type: Rotary 12A Twin rotor, water cooled
 Displacement: cc 573 x 2
 (Equivalent Engine Displacement 2292 cc)
 Compression Ratio: 9.4:1
 Maximum nett power DIN 85.8 kW (115 bhp) at 6000 rpm
 Maximum nett torque DIN 15.5 kgm (109.2 lbs ft) at 4000 rpm
 Coolant Capacity: 9.5 litres
 Lubricant Capacity: 4.6 litres
 Ignition System
 Type: High energy contactless
 Lubricant Specification: 10W/40

FUEL SYSTEM

Carburettor Type: Two stage four barrel downdraught
 Fuel pump type: Electric
 Fuel: 91 Octane Economy
 Fuel Tank Capacity: 63 litres

TRANSMISSION

Type: 5-speed manual in-line gearbox
 Gear ratios: 1st 3.621:1, 2nd 2.186:1, 3rd 1.419:1, 4th 1.000:1, 5th 0.858:1, Reverse 3.493:1
 Lubricant Capacity: 1.7 litres
 Lubricant Specification: (SAE) 80W/90
 Final Drive Ratio: 3.933:1
 Lubricant Capacity: 1.2 litres
 Lubricant Specification: (SAE) 90

STEERING

Type: Recirculating ball and nut
 Ratio: 17.20:1
 Turns lock to lock: 3.6
 Minimum turning diameter: 9.6 (31' 6") kerb to kerb.

BRAKES

Front discs:
 Diameter 241.3 mm (ventilated)

Rear discs: Diameter 266 mm (ventilated)
 Servo: Diameter 203 mm
 Hydraulic fluid specification: DOT 3

SUSPENSION

Type - Front: MacPherson struts, coil springs, gas filled dampers and anti-roll bar
 Type - Rear: Coil springs, four trailing arms and Watts linkage, telescopic gas filled dampers and anti-roll bar

WHEELS

Material: Alloy
 Size: 5J x 14
 Tyre size: 205/60 HR 14
 Pressure:
 - Front: kg/cm (psi): 1.89 (27)
 - Rear: kg/cm (psi): 1.89 (27)

DIMENSIONS

Overall Length: 4320 mm
 Overall Width: 1670 mm
 Overall Height: 1260 mm
 Wheelbase: 2420 mm
 Track Front: 1420 mm
 Track Rear: 1400 mm
 Unladen kerb weight: 1085 kg
 Towing Capacity:
 Trailer with brakes: 900 kg
 Trailer without brakes: 540 kg

PERFORMANCE

Acceleration from standing start:
 0-100 kph: 8.9 seconds
 0-400 m: 16.1 seconds
 Speed per 1000 rpm in Top Gear: 32.3 kph (20.1 mph)
 Maximum speed:
 197 kph (124 mph)
 Drag coefficient: 0.32

FUEL CONSUMPTION*

The results recorded in an official fuel economy certificate of the officially approved tests for determining fuel consumption carried out on a

car of this model are as follows:

Urban Cycle: 17.9 mpg (15.8)
 Constant 56 mph: 35.8 mpg (7.9)
 Constant 75 mph: 28.8 mpg (9.8)
 Recommended fuel 91 Octane Economy
 The figures in brackets represent litres per 100 km.

TRIM AND COLOURS

Red, white, blue, or if you feel particularly dashing, how about sparkling black? These and a few more besides are the range of colours with tasteful trim that are a perfect complement to the exhilarating RX7.



