

# RXS100



# THE YAMAHA RXS100. BASIC BUT NEVER BORING!

Whichever way you look at it, the 100cc single cylinder motorcycle is never going to rate very highly in the glamour-bike stakes. On the other hand, we at Yamaha have always held that there's no reason why a budget-oriented lightweight need be boring or behind-the-times.

We emphasize that philosophy with the Yamaha RXS100. Basic good engineering coupled with modern styling and up-to-the-minute technology to produce performance and looks out of keeping with its common sense origins.

The neatly-styled RXS100 has big-bike hydraulic front forks and adjustable rear suspension.

The efficient 100cc two-stroke single makes full use of advanced Yamaha engine features, incorporating the Yamaha Energy Induction System (YEIS) first introduced on

Grand Prix-winning motocross machines. This gives smoother carburation in the mid-ranges, a better spread of power and a 10% increase in fuel efficiency! The system is linked with Yamaha's proven reed-valve Torque Induction to make the RXS one of the most fuel-efficient and lively two-strokes in its class.

The efficiency theme is continued by electronic ignition and automatic oiling. A five speed gearbox enables the rider to make full use of the wide spread of power given him by the unique combination of YEIS and Torque Induction.

Engineering efficiency translates into good performance on the road. Which means that while the Yamaha RXS might be basic and budget-minded, it's certainly never boring!

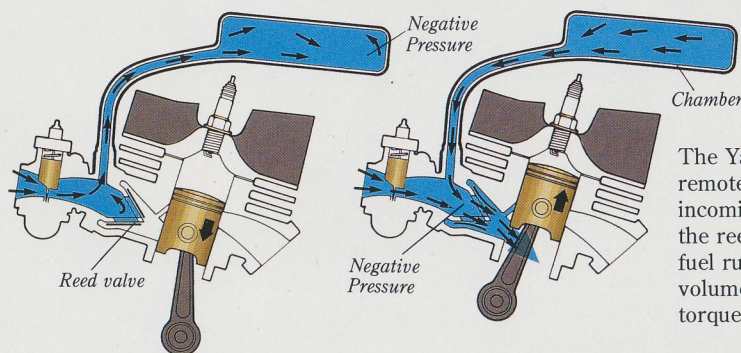


The RXS100 instruments are mounted in a rectangular console and comprise speedometer, tachometer and indicator lights for high beam, gearbox neutral, oil level and turn signal operation. Ignition and steering lock are housed in a single switch and the speedo has a one-touch re-set to the zero position. The whole console is backlit for easy night-time viewing.

Yamaha Energy Induction System

INTAKE VALVES CLOSED

INTAKE VALVES OPEN



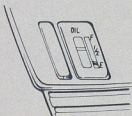
The Yamaha Energy Induction Control System (YEIS) is a remote storage chamber linked to the inlet tract which holds incoming fuel when the engine is on its exhaust stroke and the reed-valves are closed. When they open again, the stored fuel rushes out from the YEIS chamber to add velocity and volume to the normal charge. The result is greater mid-range torque and a 10% increase in fuel economy.

Hydraulic shock absorbers, coil springs, coil suspension to provide comfort and safety. Pre-load is adjustable in positions to meet load or varying surfaces.

Both front and rear drum brakes feature own labyrinth seal design and incorporate wear indicator to check brake condition.

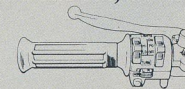
absorbers with  
control the rear  
provide a mix of  
the handling. Spring  
stable through five  
catch rider weight,  
quality in road

A gauge on the left side-cover  
informs the rider as to the  
level of oil in the separate  
Autolube system tank.



The nine-litre fuel tank slims  
down at the rear for a comfortable  
riding position. And to prevent  
theft, a lockable filler cap is  
provided.

For simplified operation, all of the RXS100 switches  
are clustered on the handlebar grips . . . lights, dipped  
beam, turn signal, horn and engine cut-out, all within  
reach of the rider's thumbs.



Big, bright turn indicators are  
easily visible from front, rear and  
sides. They are mounted on  
flexible stalks to minimize  
accidental damage.

The RXS100 features full-sized  
hydraulic front forks for the  
confidence that good handling  
brings. Comfort and stability go  
hand in hand with sporting style.

ar  
are Yamaha's  
'l' weatherproof  
orates lining  
that the rider can  
ion at a glance.

The five-speed transmission has a rocker-pedal  
gearshift which will please customers who  
commute. All gearchanging, up or down the box,  
is done with the sole of the foot or the heel to  
minimize wear and tear on the rider's shoes.

The expansion chamber exhaust system  
features a bright chrome, large capacity  
muffler which allows free passage of  
exhaust gases with a minimum of noise.

Electronic capacitor discharge  
ignition is maintenance-free,  
with no contact-breakers to replace,  
clean or adjust. It is pre-set for life  
to give a healthy, perfectly-timed spark.

Rear view mirror(s) standard equipment.



## RXS100 SPECIFICATIONS

### ENGINE

Type . . . . . 2-stroke, Torque Induction,  
single

Displacement . . . . . 98 cc

Bore and stroke . . . . . 50.0 × 50.0 mm

Compression ratio . . . . . 6.7:1

Max. power (DIN) . . . . . 12.2 PS  
(9.0 kW) @8,500 rpm

Max. torque (DIN) . . . . . 1.1 kg-m  
(10.5 Nm) @8,000 rpm

Lubrication . . . . . Autolube

Carburation . . . . . VM22

Ignition . . . . . CDI

Starter system . . . . . Kick

Fuel tank capacity . . . . . 9.0 l

Oil capacity . . . . . 1.3 l

Transmission . . . . . 5-speed

Final transmission . . . . . Chain drive

### CHASSIS

Overall length . . . . . 1,910 mm

Overall width . . . . . 730 mm

Overall height . . . . . 1,040 mm

Seat height . . . . . 780 mm

Wheelbase . . . . . 1,240 mm

Ground clearance . . . . . 150 mm

Dry weight . . . . . 94 kg

### Suspension

Front . . . . . Telescopic forks

Rear . . . . . Swing arm

### Brakes

Front . . . . . Drum

Rear . . . . . Drum

### Tyres

Front . . . . . 2.75-18-4PR

Rear . . . . . 3.00-18-4PR

*Specifications and appearance of Yamaha motorcycles shown here may vary according to requirements and conditions and are subject to change without notice.*

*For further details, please consult your Yamaha dealer.  
Always wear a helmet and eye protection.*

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