

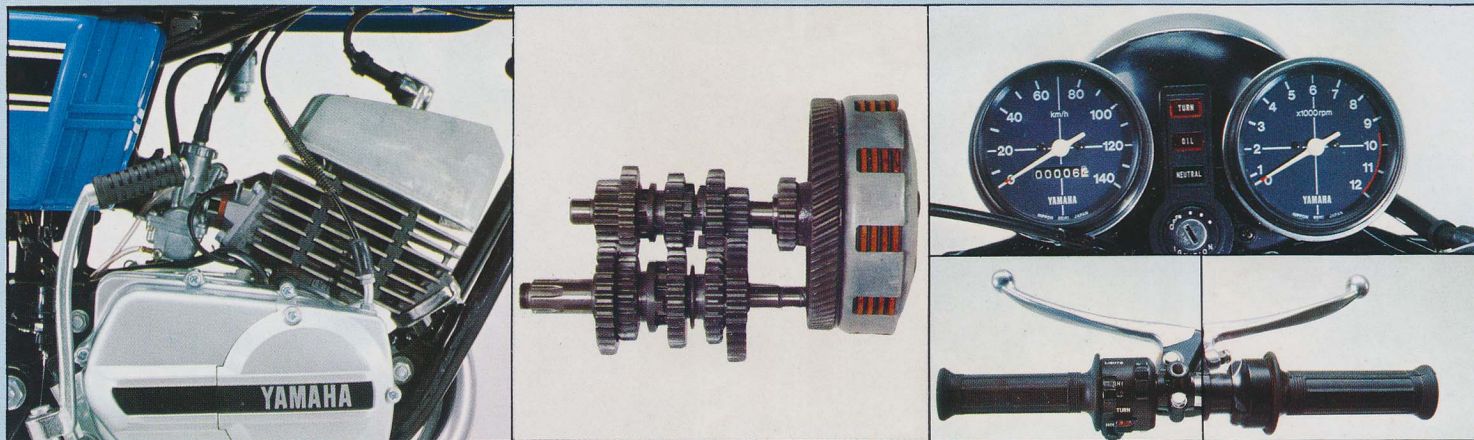


YAMAHA RS100

The Ideal Machine For The Rider Who Loves To Ride

The RS100 is the kind of motorcycle you fall in love with the first time you ride on it... and marks the beginning of a long and lasting affair of the heart. It is powered by a light-weight, single-cylinder, 2-stroke Torque Induction engine which develops a smooth 11 bhp at 8,500 rpm... plenty of power for exhilarating rides at more than 110 km/h. An ideal machine for riding about town or city, the RS100 has many of the features which have made Yamaha world-champion

Road Racers consistent winners everywhere they go... features such as the sturdy, tubular-steel, double-cradle frame, a low center of gravity for excellent manoeuvrability, and a short-shift-stroke, constant-mesh 5-speed transmission. Large front-disc and rear-drum brakes, moreover, assure safely controlled stops under all conditions. It's a bike, in other words, for those who want and appreciate true comfort, economy, performance and safety.



Engine

In order to assure quick throttle response over the entire operating range of the engine, the engine is a husky, 2-stroke, single-cylinder type with Torque Induction.

This aluminium-cylinder-with-cast-iron-sleeve design has excellent durability and heat-dissipating characteristics, and the key-stone piston ring positively seals the engine on the compression stroke for more power. Economical and efficient, this engine is able to smoothly respond to any riding situation.

V-type Reed Valve

Employing a special stainless-steel reed-valve assembly between the carburettor and the engine, intake is positive and efficient. Operating due to pressure variations within the engine itself, the reed valves open and close on demand, positively fueling the engine and preventing blow-back through the carburetor, resulting in increased torque and higher economy.

Autolube

Autolube, YAMAHA's patented oil injection system, is controlled by the engine speed and throttle opening, regulating the supply of oil from the separate oil tank to suit the driving conditions at all times, resulting in great economy and a more efficient, cleaner running engine.

Transmission

Incorporating gear ratios which allow an adequate overlap in between ranges in order to maintain a power reserve for acceleration, the 5-speed transmission features positive

operation for smoother bike performance and easier handling. Also, the gears are subjected to special heat treatment, yielding exceptionally hard bearing surfaces for longer durability even under repeated hard use.

Frame

Utilizing the experience gained from the world's most demanding motocross tracks, YAMAHA has developed a lightweight, tubular-steel, single-down-tube frame that is able to give the machine an overall lower center of gravity for better manoeuvrability. This high-tensile-strength steel frame is designed to withstand the stresses and strains which are absorbed from the roughest of roads in order to assure long-term durability and stability.

Front Forks

The responsive front forks feature a hydraulically-damped inner-spring design that is able to efficiently smooth road shocks and vibration, thereby greatly reducing the amount of fatigue to the rider on long trips. Also, these forks have an optimum stroke which allows maximum comfort while giving outstanding control and stability.

Speedometer and Tachometer

The overall operation and speed of the bike can be easily monitored at a glance at the large, easily-readable speedometer and tachometer. These precision instruments are shock mounted for lasting durability and are placed at an optimum location for quick viewing.

SPECIFICATIONS

ENGINE

Type 2-stroke, Torque Induction, Single
 Displacement 97 cc
 Bore & Stroke 52 x 45.6 mm
 Compression ratio 7.0 : 1
 Max. horsepower 11 bhp @ 8,500 rpm
 Max. torque 1.03 kg-m @ 7,000 rpm
 Max. speed range 110 km/h
 Lubrication system Autolube
 Starting system Primary kick starter
 Primary transmission Gear
 Final transmission Chain
 Gearbox 5-speed
 Carburettor VM20SH
 Clutch Multi-plate, wet
 Battery 6 V, 4 AH
 Ignition type Magneto, CB/Coil

DIMENSIONS

Overall length 1,945 mm
 Overall width 730 mm
 Overall height 1,045 mm
 Seat height 775 mm
 Wheelbase 1,240 mm
 Weight (net) 91 kg
 Fuel tank capacity 10.0 lit.
 Oil tank capacity 1.3 lit.
 Tires front 2.75-18-4PR
 rear 3.00-18-4PR
 Brakes front Drum
 rear Drum

* Specifications subject to change without notice.

YAMAHA, It's a way of life



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