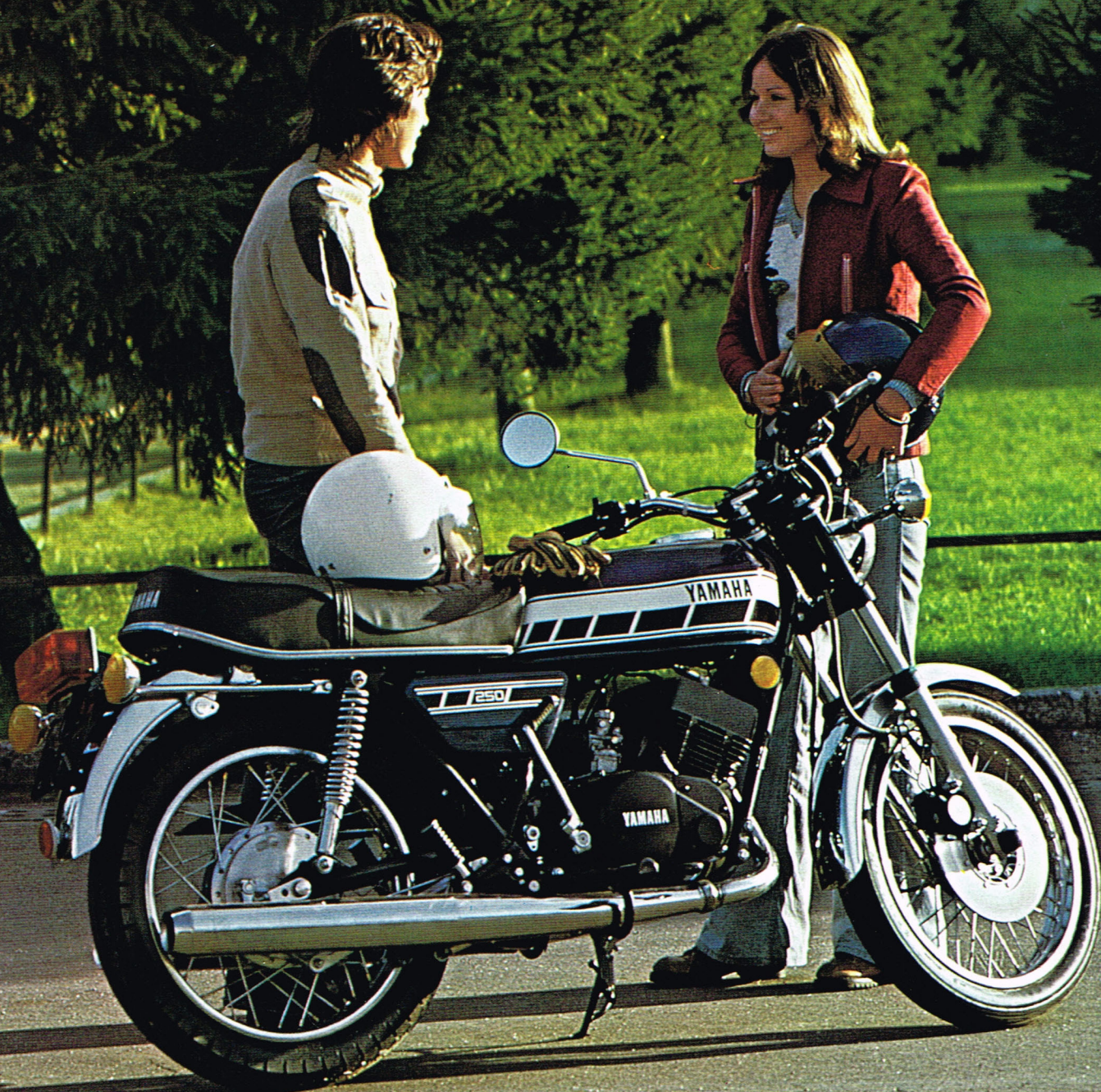


# RD250





# YAMAHA, features for durability and roadability

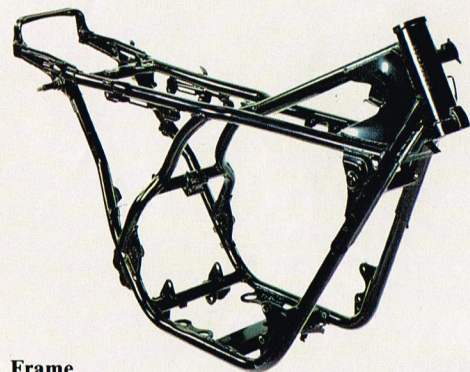


## Speedometer and Tachometer

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

## Lighting

For safe riding day or night, the lighting equipment is designed to be readily visible by other traffic and so that the rider's field of vision is as wide as possible at night. The turn signals and rear stop light brightly indicate the rider's intentions, and the instrumentation is softly back-lighted for clear nighttime viewing.



## Frame

In order to give the bike better dynamic stability, the high-tensile-strength, double-cradle frame carries the engine low and forward. This tubular-steel frame is also designed to be able to withstand twisting, turning and impact stresses that are incurred on the roughest of roads so that the bike will be able to offer dependability regardless of the road conditions.

## Front Forks

In order to smooth out road roughness and reduce vibration felt by the rider thereby lowering riding fatigue, this bike is equipped with ultra-responsive race type front forks. These optimum-stroke forks are specifically designed to yield the best stability while allowing maximum maneuverability.

## Rear Shock Absorbers

In order to further increase the stability of the bike, the hydraulic rear shock absorbers are designed for an optimum stroke. 5-step adjustable to compensate for load, and the design assures good surface tracking ability even while carrying widely varying loads. The exterior style of the shocks lends itself to the overall good appearance of the machine.

## Seat

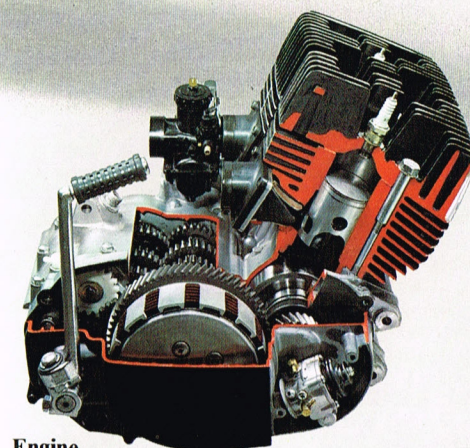
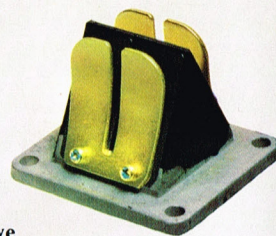
The wide seat is extra comfortable to help reduce riding fatigue when the bike is ridden continuously for long periods. Positioned for the best riding posture, the seat blends in with the dynamic lines of the machine, and for lasting durability the cover of the seat is weatherproof.

## 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.

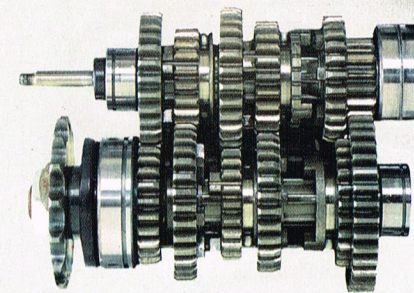
## V-type Reed Valve

Employing a special stainless-steel reed valve assembly between the carburetor 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.



## Engine

The powerful, 2-stroke, parallel-twin engine employs YAMAHA's exclusive Torque Induction system which, by improving intake and scavenging, increases the available torque over the lower and middle speed ranges. The cylinder and head material is aluminum with cast-iron sleeves to improve heat-dissipating characteristics and further increase the overall power-to-weight ratio. Designed along the same lines as the world champion YAMAHA Grand Prix machines, this engine is highly responsive and exceptionally efficient under all operating conditions.



## Transmission

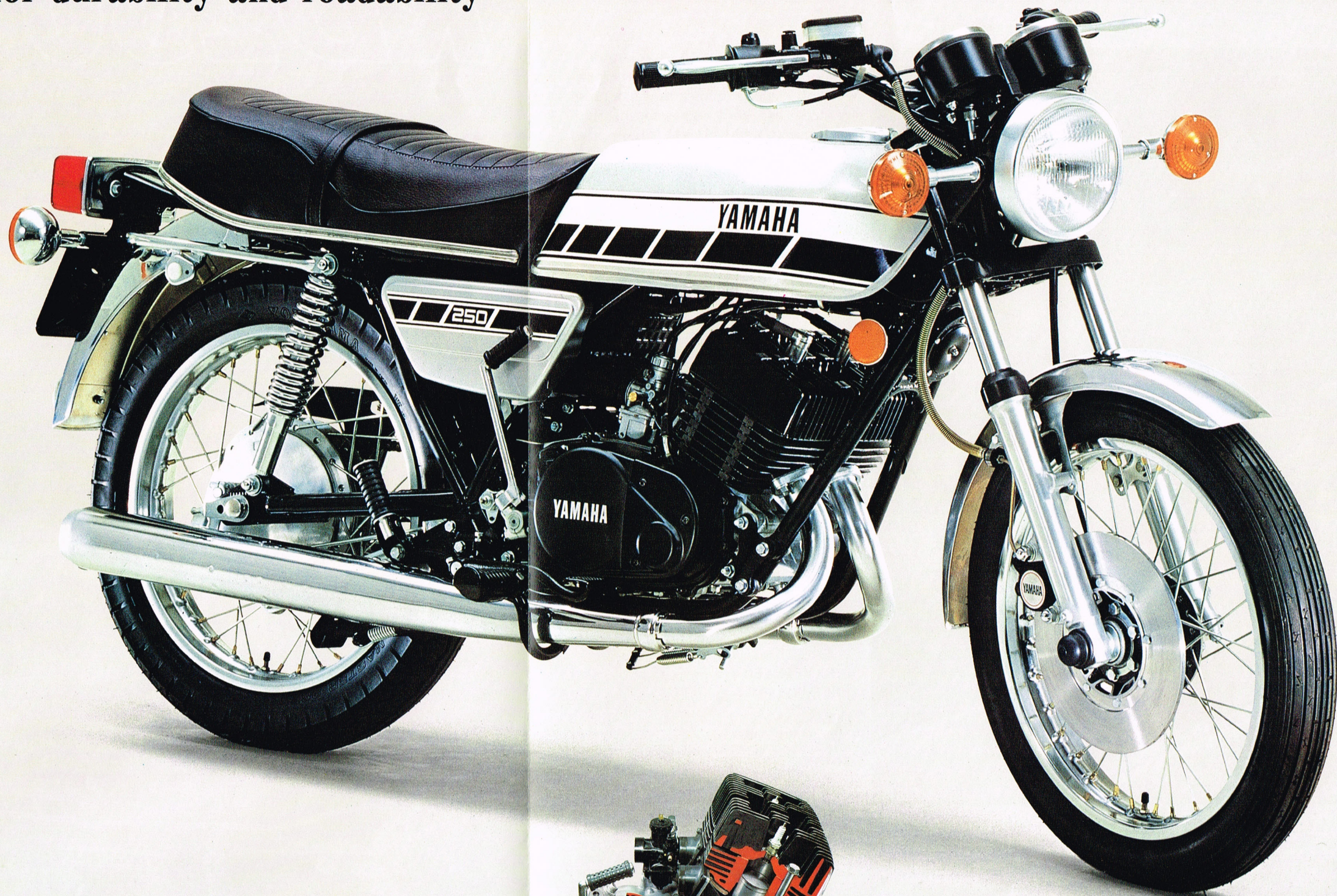
Incorporating gear ratios which allow an adequate overlap in between ranges in order to maintain a power reserve for acceleration, the 6-speed transmission features positive operation for smoother bike performance and easier handling. Also, the gears are subjected to special heat treatment, yielding exceptionally hard bearing surfaces for longer durability even under repeated hard use.

## Tires

The heavy-duty, multi-ply-rated tires are exceptionally strong to withstand all road conditions. These tires are selected to allow the most efficient traction while being able to maintain maximum stability and offer excellent maneuverability.

## Disc Brake

The 267-mm dia. disc brake on the front wheel is hydraulically operated for maximum control with the least amount of effort. This disc brake, featuring double-piston type caliper operation, is not affected by water or dust, and it will not fade even after continuous, repeated use. Safe, controlled stops under all conditions.





# Exhibiting an optimum balance of responsive power and fluid mobility



Lightning quick with fluid-smooth response accurately describes the new RD250... performance that has been gained by thorough engineering research at YAMAHA. Utilizing the well-known Torque-Induction, 2-stroke, twin engine which is capable of developing an impressive 30 plus hp at 7500 rpm, the RD250 boasts an operating range extending well over 160 km/h. Precisely balanced to present a low center of gravity, this bike is able to easily maneuver through the heaviest city traffic and yet readily negotiate the tightest curve on the open road.

Built for durability and safety, this bike features a tough double-cradle frame, road race type front forks, adjustable rear shocks, hydraulically operated disc brake at the front and a dust- and waterproof drum brake at the rear.

Designed with the rider in mind for more action-oriented motorcycle pleasure.

## SPECIFICATIONS

### PERFORMANCE

Max. speed range ..... 160 km/h  
Climbing ability ..... 28°  
Min. turning radius ..... 2,300 mm  
Min. braking distance ..... 14 m @ 50 km/h

### ENGINE

Type ..... 2-stroke, Torque Induction, Twin  
Displacement ..... 247 cc  
Bore & Stroke ..... 54 x 54 mm  
Compression ratio ..... 6.7 : 1  
Max. horsepower  
(S.A.E. net) ..... 30 bhp @ 7,500 rpm  
Max. torque ..... 2.9 kg-m @ 7,000 rpm  
Lubrication system ..... Autolube  
Starting system ..... Primary kick  
Transmission ..... 6-speed gearbox

### DIMENSIONS

Overall length ..... 2,030 mm  
Overall width ..... 830 mm  
Overall height ..... 1,085 mm  
Wheelbase ..... 1,325 mm  
Min. ground clearance ..... 150 mm  
WEIGHT (net) ..... 152 kg

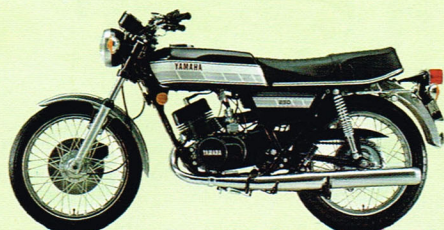
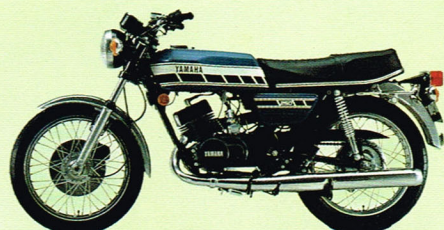
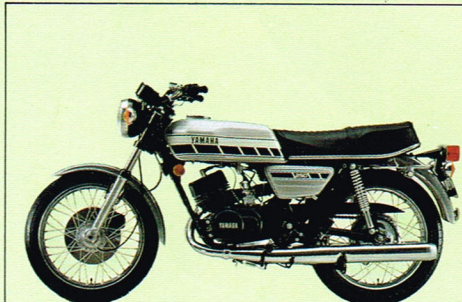
FUEL TANK CAPACITY ..... 16.5 lit.

OIL TANK CAPACITY ..... 1.8 lit.

TIRES front ..... 3.00S-18-4PR

rear ..... 3.50S-18-4PR

\* Specifications subject to change without notice.



# YAMAHA, It's a way of life



SINCE 1887

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