

# ***RD125DX***





# Components with performance quality

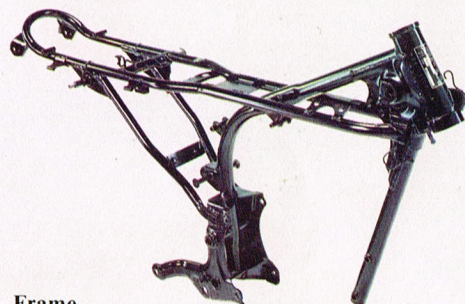


## Speedometer and Tachometer

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

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 maneuverability. 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

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. 3-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

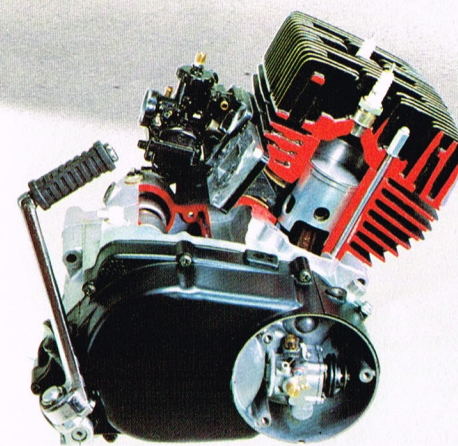
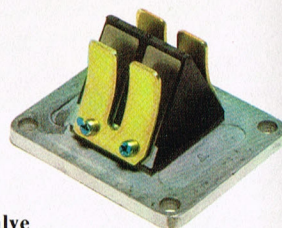
The wide seat is extra comfortable to help reduce riding fatigue when the bike is ridden continuously for long periods. Positioned for the best riding posture, the seat blends in with the dynamic lines of the machine, and for lasting durability the cover of the seat is weatherproof.

## 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.

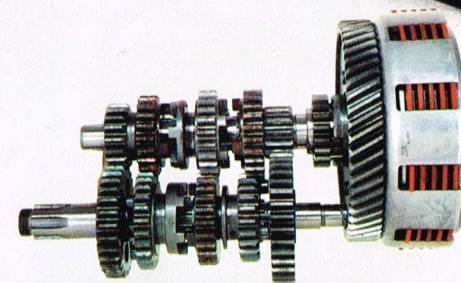
## V-type Reed Valve

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.

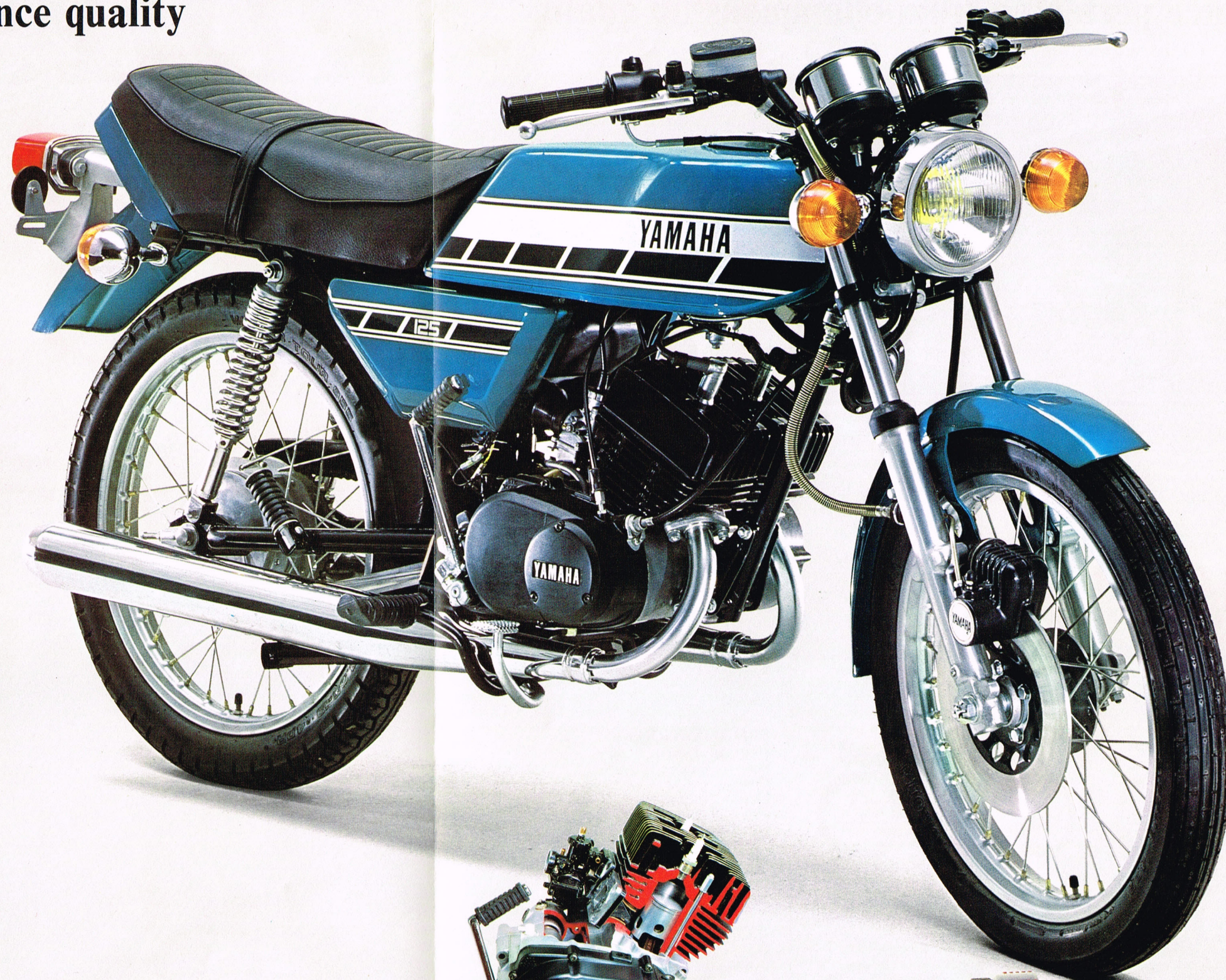


## Transmission

Incorporating gear ratios which allow an adequate overlap in between ranges in order to maintain a power reserve for acceleration, the 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.

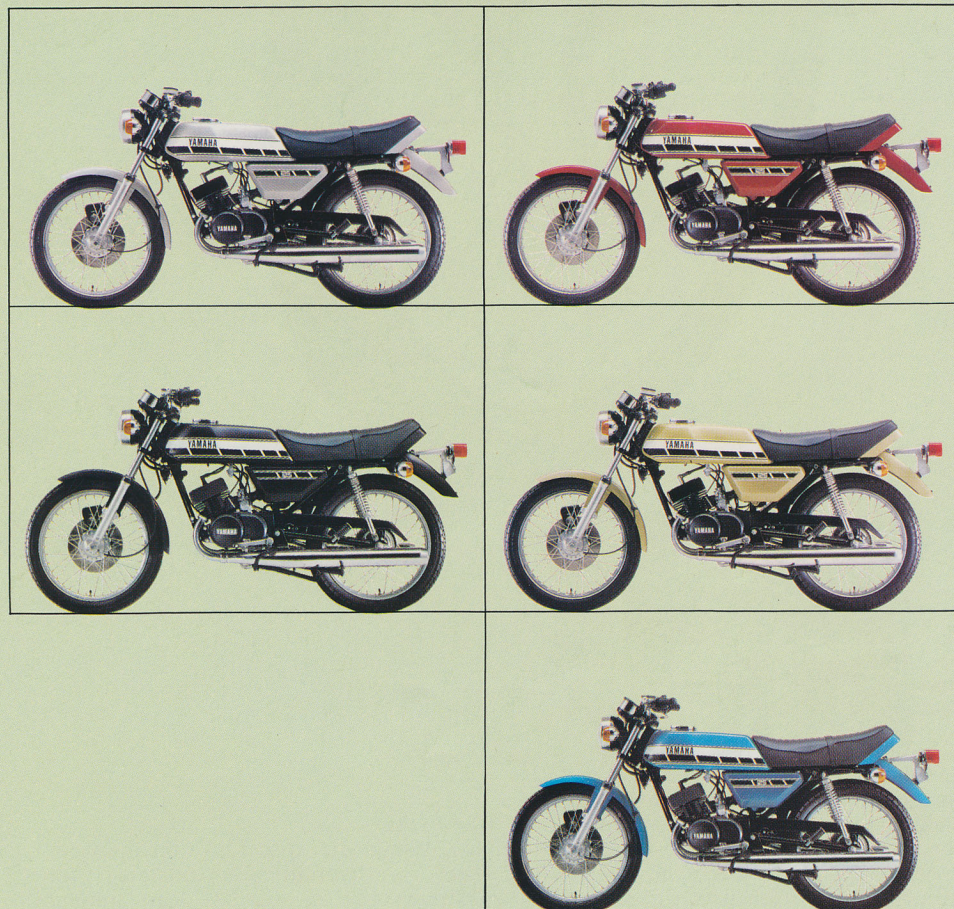
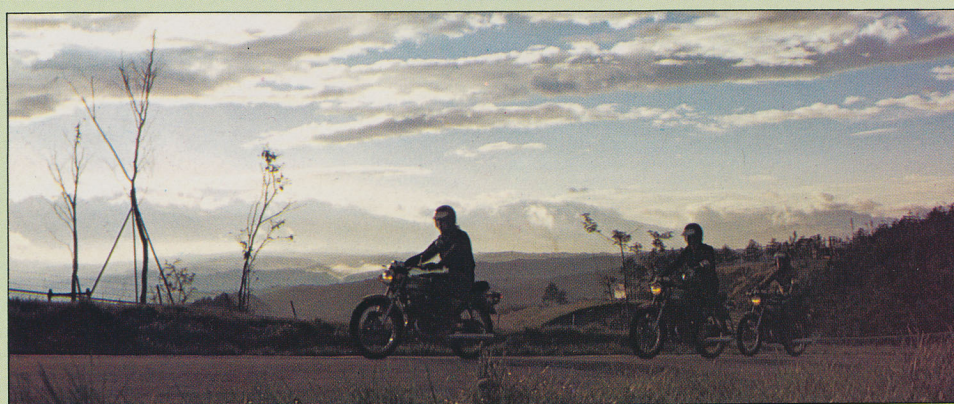
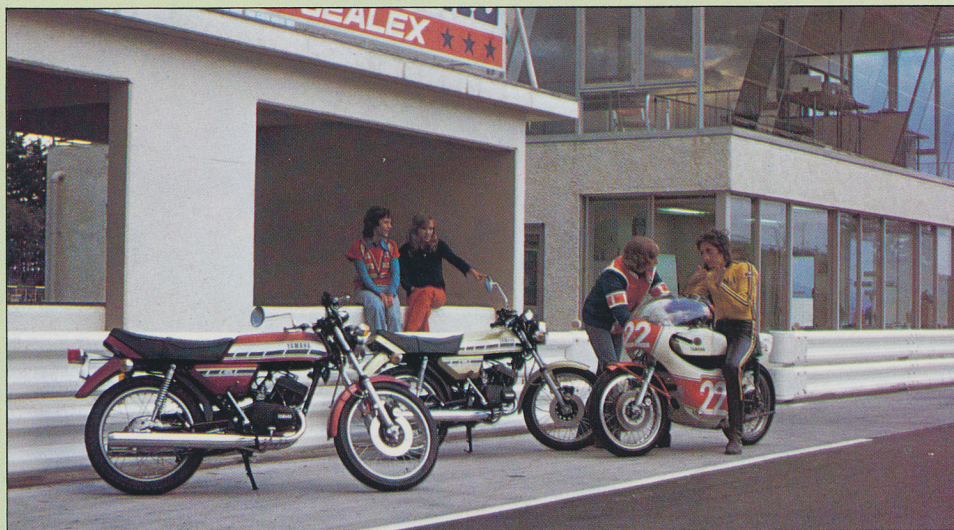
## Disc Brake

The 245-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.





# Performance perfected from championship quality



In the realm of lightweight bikes, the new RD125DX by YAMAHA stands at the top in both quality and outstanding performance. Highly maneuverable with its slim-profile design and highly responsive 2-stroke, Torque Induction engine, the RD125DX features styling and engineering advances to give easy operation and lasting durability.

Built for use around town through busy traffic or winding along a mountain road in search of new horizons, the RD125 km-plus range offer some pretty exciting rides with capabilities in the 100 km-plus range. The large hydraulically-operated disc up front and the dust- and waterproof brake on the rear give positive assurance that regardless of the situation, the bike is under safe control.

For pleasure, durability, and response plus road-racing championship quality, the RD125DX stands ready to offer more pleasure-filled excitement.

## SPECIFICATIONS

### PERFORMANCE

Max. speed range ..... 125 km/h  
Climbing ability ..... 22.5°  
Min. turning radius ..... 2,100 mm  
Min. braking distance ..... 14 m @ 50 km/h

### ENGINE

Type ..... 2-stroke, Torque Induction, Twin  
Displacement ..... 124 cc  
Bore & Stroke ..... 43 x 43 mm  
Compression ratio ..... 6.8 : 1  
Max. horsepower  
(S.A.E. net) ..... 16 bhp @ 9,000 rpm  
Max. torque ..... 1.3 kg-m @ 8,000 rpm  
Lubrication system ..... Autolube  
Starting system ..... Primary kick  
Transmission ..... 5-speed gearbox

### DIMENSIONS

Overall length ..... 1,945 mm  
Overall width ..... 790 mm  
Overall height ..... 980 mm  
Wheelbase ..... 1,240 mm  
Min. ground clearance ..... 155 mm

**WEIGHT (net)** ..... 111 kg

**FUEL TANK CAPACITY** ..... 11.5 lit.

**OIL TANK CAPACITY** ..... 1.2 lit.

**TIRES** front ..... 2.75-18-4PR  
rear ..... 3.00-18-4PR

\* Specifications subject to change without notice.

# YAMAHA, It's a way of life



SINCE 1887

**YAMAHA MOTOR N. V.**

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