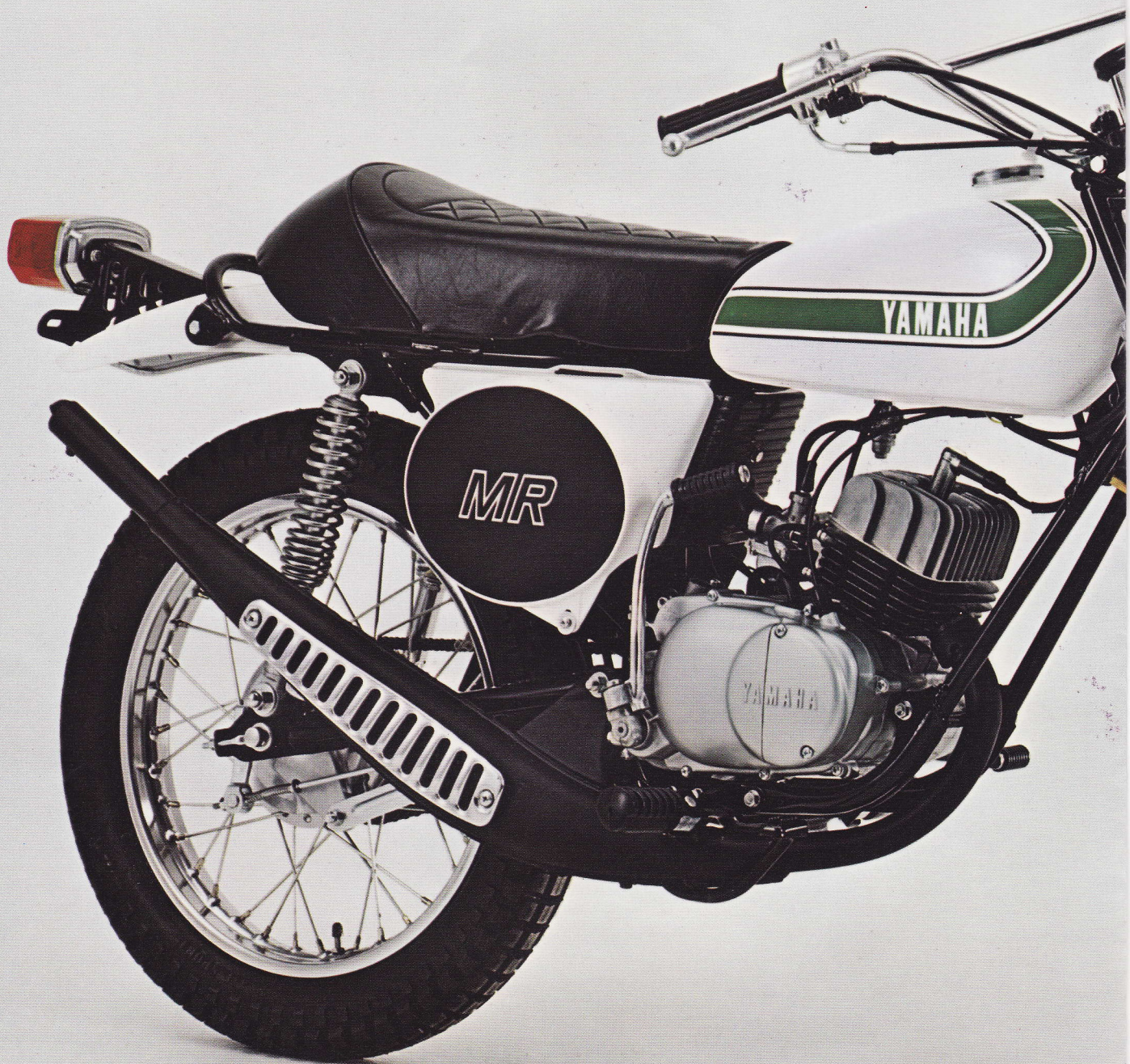


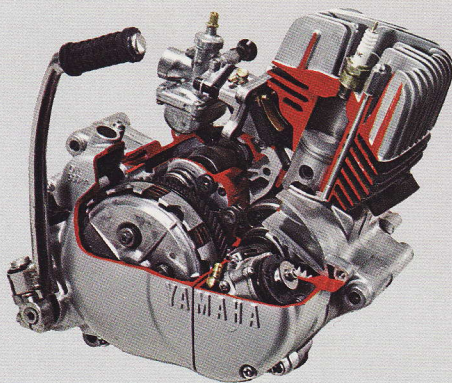
# MR50



 **YAMAHA**



## Innovative engineering at YAMAHA yields outstanding quality features

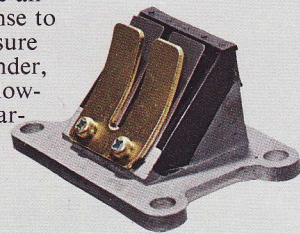


### Engine

More than adequate power is produced by the 2-stroke, Torque Induction, single engine in order that the bike be ridden equally as well on the open road as off the road. YAMAHA developed the Torque Induction system, consisting of a reed-valve assembly operating in combination with a unique porting arrangement, to increase the power available over the lower-and middle speed range. The porting arrangement assures that the engine is completely purged of burned gases and the reed-valve assembly supplies fuel on demand.

### V-type reed valve

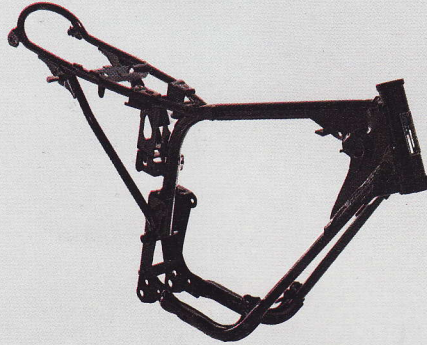
The MR50V-type reed valve is just one more key development supporting YAMAHA's remarkable Torque Induction system. Two special stainless-steel reed valves provide an instant response to negative pressure from the cylinder, eliminating blow-back to the carburetor at low speeds.





**Frame**

To carry the engine lower and forward for a better overall center of gravity yielding balance and control characteristics that are ideal, the MR50 has a double-cradle frame. This high-tensile-strength tubular frame is well-known for its ability to withstand the worst punishment from the roughest road.



**Front forks**

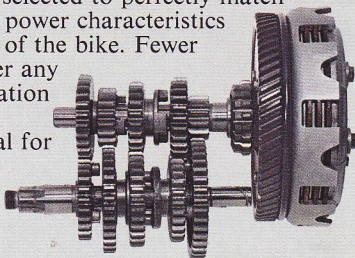
The MR50 is equipped with optimum-stroke, oil-damped, inner-spring front forks to absorb a wider variety of road roughness minimizing vibration and rider fatigue. Also, this design facilitates precise tracking for maximum maneuverability and handling ease.

**Rear shock absorbers**

The responsive rear shock absorbers are an outer-spring, oil-damped type which have been designed to adequately cushion road shocks while carrying a heavy load. The shock absorber springs are a specially tempered steel for maximum durability under the worst riding conditions, and to yield a longer useful lifetime.

**Transmission**

For ease of operation and smooth riding in any type of traffic as well as out on the open road, the MR50 has a 5-speed transmission that features gear ratios that have been selected to perfectly match the engine power characteristics to the size of the bike. Fewer shifts under any riding situation makes the MR50 ideal for on the road and off.



**Autolube**

YAMAHA's two-stroke engines are lubricated by a separate, unique system called Autolube. With Autolube, the amount of oil fed into the MR50 engine is regulated constantly monitoring the speed of the engine and amount of throttle opening. This precision-engineered system saves you oil and lengthens the life of your engine, plus ending the messy need for manually mixing the gasoline and oil as an extra benefit.

**Muffler**

The up-swept muffler design, while giving a more exciting, forward-looking appearance to the bike, effectively reduces noise and aids the engine, yielding even higher performance for more economical operation.

**Brakes**

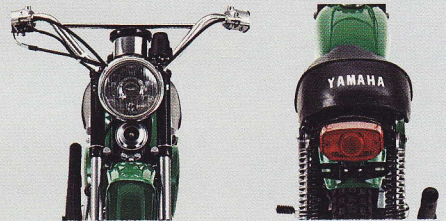
The front and rear brakes are equipped with a special labyrinth seal to assure that neither water nor dust enter and affect the operation. Also, they have a large braking surface for more stopping power and better heat dissipation.

**Fuel tank**

The fuel tank has a large 6.0 lit. capacity for longer distances between fuel stops. The tank is positioned for optimum knee gripping action which is so necessary for maximum maneuverability and control.

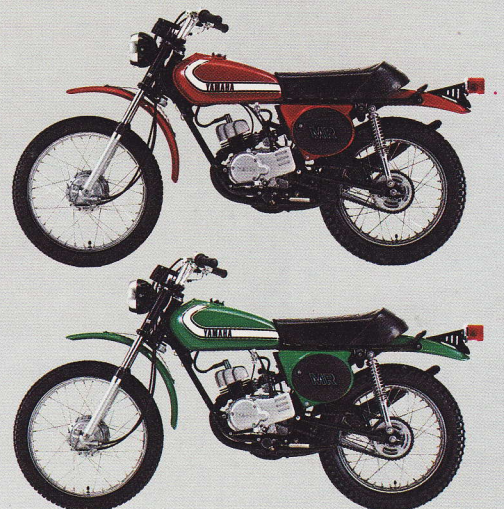
**Seat**

The seat is weatherproof, comfortable, and positioned for maximum control and the least fatigue. It is designed for hours of riding pleasure. The seat also swings up opening at the side for convenient access when inspecting or servicing.



**Lighting**

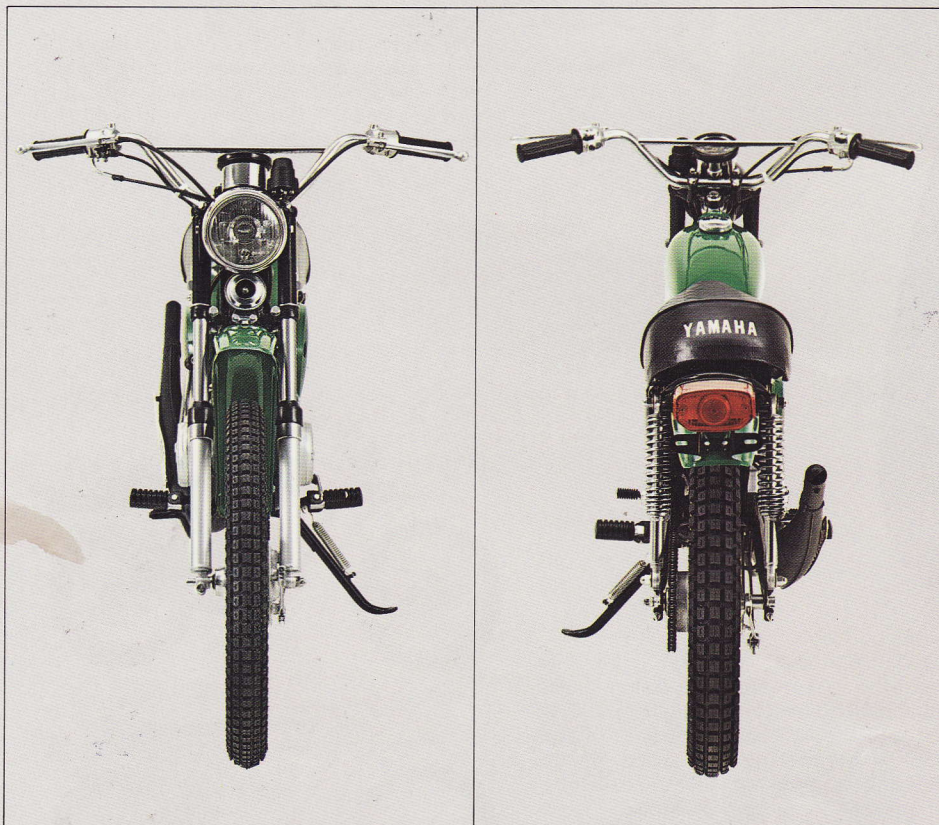
Nighttime riding pleasures are equally as enjoyable and safe as those during the day with the extra-large headlight, with high and low beams, and the big stop light that can be easily seen by traffic behind.



# Designed to surpass your expectations



The MR 50 by YAMAHA is the new forward-profile, lightweight motorcycle that is characterized by outstanding performance features, such as an ultra-responsive Torque Induction engine, Ceriani front forks, and an up-swept exhaust pipe. The new design lends itself favorably to a variety of pleasures, both on the road and off, and matchless enjoyment can be yours with its superb handling even in the most crowded traffic conditions. Control functions have been engineered so that a wider range of riders, from beginners to those with many years of experience, will be able to realize the full potential of this new machine. At YAMAHA, where safety, quality and durability are paramount design criteria, the MR 50 stands as a shining example.



## SPECIFICATION

### PERFORMANCE

Max. speed range.....90 km/h  
 Climbing ability.....18°  
 Min. turning radius.....1,800 mm  
 Min. braking distance.....7 m @ 35 km/h

### ENGINE

Type.....2-stroke, Torque Induction Single  
 Displacement.....49 cc  
 Bore & Stroke.....40×39.7 mm  
 Compression ratio.....6.9 : 1  
 Max. horsepower

(S.A.E. net).....6 bhp @ 9,000 rpm  
 Max. torque.....0.50 kg-m @ 8,000 rpm  
 Lubrication system.....Autolube  
 Starting system.....Primary Kick starter  
 Transmission.....5-speed gearbox

### DIMENSIONS

Overall length.....1,830 mm  
 Overall width.....790 mm  
 Overall height.....990 mm  
 Wheelbase.....1,190 mm  
 Min. ground clearance.....180 mm

**WEIGHT** (net).....70 kg

**FUEL TANK CAPACITY**.....6.0 lit.

**OIL TANK CAPACITY**.....1.0 lit.

**TIRES** front.....2.50-17-4PR

rear.....2.50-17-4PR

*\*Specifications subject to change without notice.*

# YAMAHA, It's a way of life



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