

**MX100**





Like all the bikes in Yamaha's MX stable, the MX 100 has been completely redesigned for 1974. This year, it has a true motocross frame, with a much lower center of gravity. A new lightweight front hub. A new center muffler. Longer travel front forks. And Thermal-Phase

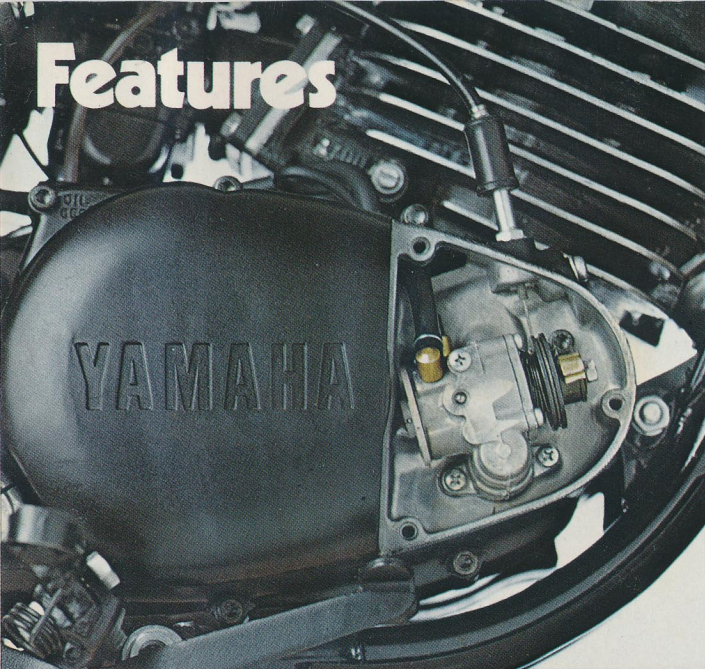
rear shocks that can work hard all day without overheating.

And, cradled in the double loop frame is a 100cc engine that will keep the torque coming on right up to the red-line. With Yamaha's exclusive Torque Induction® reed valve intake system

to make it pull harder — and run cooler — at the other end of the curve.

The new Yamaha MX 100. Beginners will like its size and price. Experienced riders will like its tendency to run away and hide from everything else in its class.

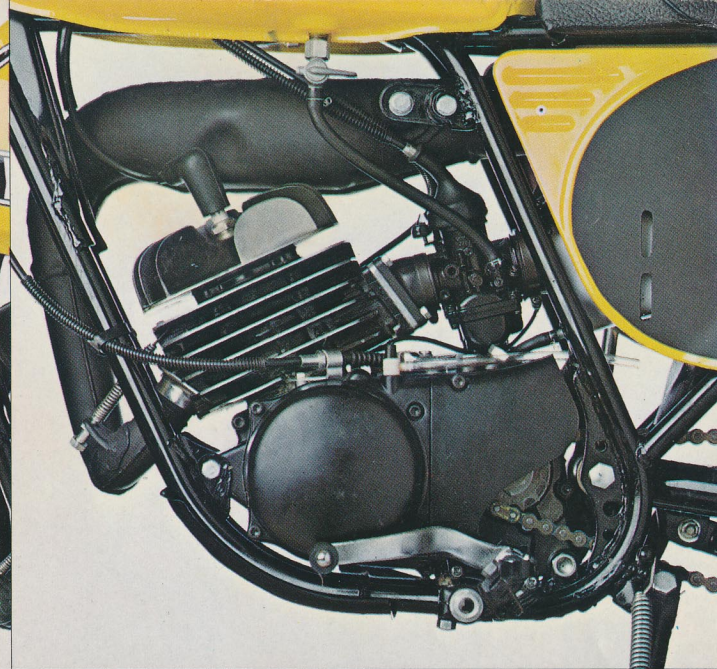
# Features



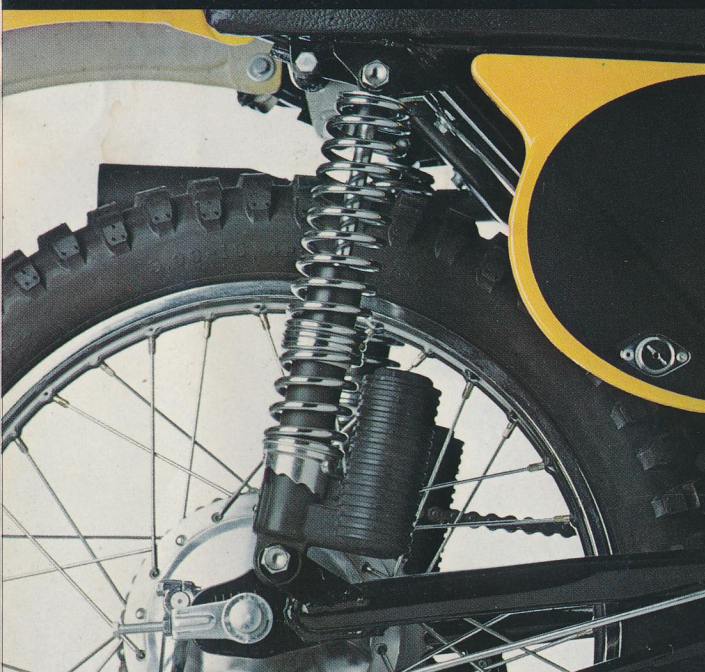
**Autolube®** constantly adjusts the flow of oil into the fuel mixture according to engine load and speed, resulting in increased engine life. For those who want to save a little weight and premix, the unit is easily detachable.



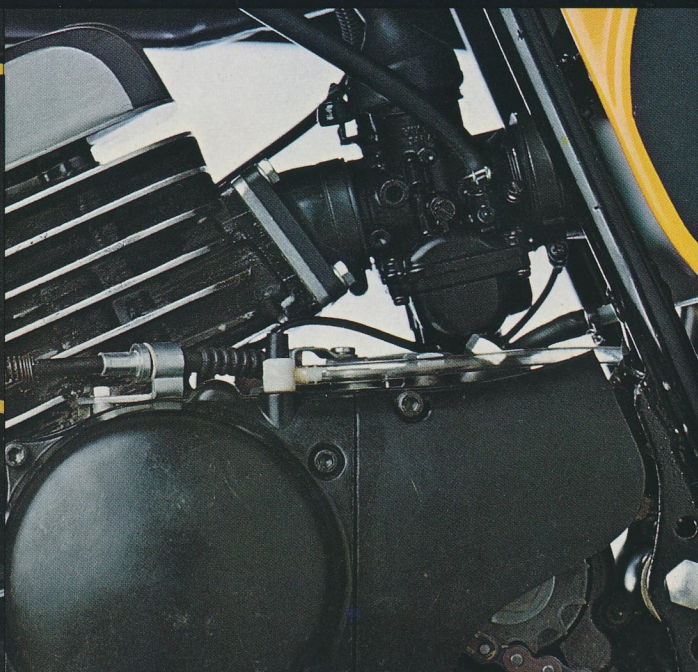
**Lightweight polypropylene fenders** are virtually unbreakable. Fiberglass seat assembly is also featherlight, but well padded. Tapered hubs reduce unsprung weight without reducing braking efficiency.



**Full double loop frame**, proven on the highly successful Yamaha factory motocrossers, cradles the engine lower, results in lower center of gravity, better steering geometry, and better handling.



**Thermal-Phase rear shocks** have built-in oil coolers to prevent overheating, no matter how hard or long you ride. Interchangeable jets also allow you to adjust compression and rebound characteristics individually.



**Torque Induction®**, Yamaha's unique intake system, utilizes a reed valve to feed the engine the exact amount of fuel and air it needs. The result is more horsepower, particularly at low rpm's.



**New expansion chamber/silencer** design cuts down noise without cutting down power. Over-the-top configuration results in better road clearance, less chance of burns.



PERFORMANCE  
Min. braking distance . . . . . 50.5 ft. @ 31 mph

ENGINE  
Type . . . . . 2-stroke, Torque Induction, Single  
Displacement . . . . . 97 cc (5.92 cu. in.)  
Bore & Stroke . . . . . 2.047 x 1.795 in.  
Compression ratio . . . . . 8.3:1  
Max. horsepower . . . . . 16 bhp @ 10,500 rpm  
Max. torque . . . . . 7.8 ft-lb @ 9,500 rpm  
Lubrication system . . . . . Autolube and Pre-mix  
Starting system . . . . . Primary kick starter  
Ignition system . . . . . Flywheel Magneto  
Transmission . . . . . 5-speed gearbox

DIMENSIONS  
Overall length . . . . . 76.0 in.  
Overall width . . . . . 36.4 in.  
Overall height . . . . . 42.3 in.  
Wheelbase . . . . . 50.8 in.  
Min. ground clearance . . . . . 9.1 in.

FUEL TANK  
Capacity . . . . . 1.59 U.S. gal.

OIL TANK  
Capacity . . . . . 0.48 U.S. qts.

TIRES  
Front . . . . . 2.75-19-4 PR  
Rear . . . . . 3.00-18-4 PR

Specifications subject to change without notice.

**Someday,  
you'll own a Yamaha.**



**YAMAHA**

SINCE 1887 YAMAHA MOTOR CO., LTD.  
2500 SHINKAI IWATA, JAPAN

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