

SUZUKI

RM80X



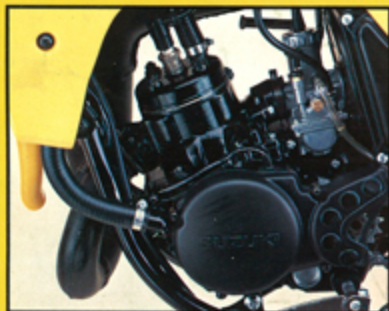
cross GP 250
GP 500

75 '76 '77 '78 '79 '80 '81 '82 Manufacturer's
Champion of Motocross GP 125
70 '71 '72 '80 '81 Manufacturer's Champion of Motocross
71 '72 '73 '75 '76 '82 Manufacturer's Champion of Motocross

WORLD CHAMPIONS



The New RM80X Equipped with a Tough, High-Performance Water-Cooled Engine to Sharpen Its Competitive Edge



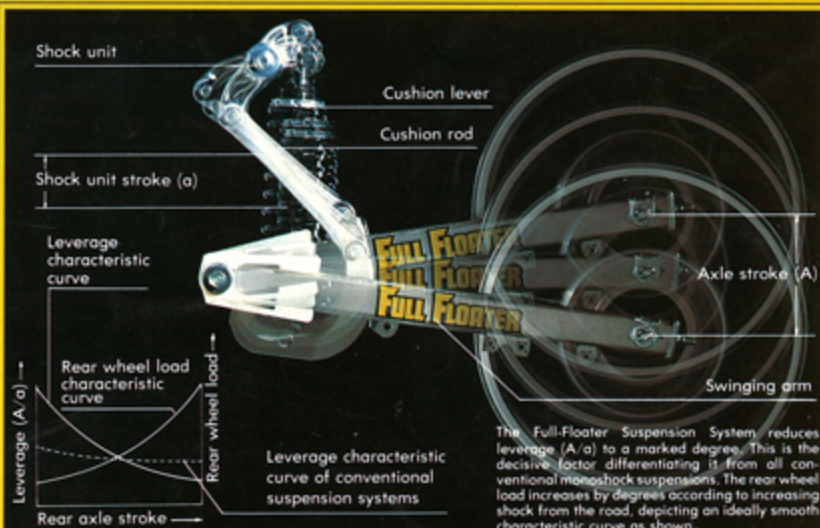
Winning Victories with the Water-Cooled Engine

With racing speed increasing every year, the RM80X is equipped with a powerful, newly designed water-cooled engine. The RM80X is equipped with a tough, high-performance water-cooled engine which maintains a low heat output and provides tremendous power to the finish line. Overthrowing the established notion that a water-cooled engine inevitably increases the overall machine weight, Suzuki has

succeeded in developing the RM80X as the lightest in its class, weighing only 60kg (132 lbs) (dry). The compact and light-weight radiator is fitted near the gravitational center so as not to influence the machine's excellent maneuverability. The superb power reed valve, having a wide torque range, provides a constant flow of tremendous power from low speeds through high speeds.

Winning Victories with the Full-Floater Suspension System

The Full-Floater Suspension System of the RM80X differs in structure from conventional mono-shock suspension systems in that its light-weight cushion rod is arranged to cross its cushion unit. This unique design, ideally suited to the RM80X's significantly lightened weight and short wheelbase, makes it possible to transmit shocks from the ground via the swinging arm and absorb them near the gravitational center. This enables the rider to enjoy the superb acceleration performance of the RM80X



with secure rear wheel grip and easy handling. The stroke is as large as 230mm (9.06in), and the stroke of the semi-air type front fork is also 230mm (9.06in). The stroke of the rear shock unit itself is greatly upgraded. With the shock absorbing capacity thus increased markedly, the RM80X can outperform all rival machines on rugged courses with many gaps and bumps.



Winning Victories with the Ingenious Design of Parts

- The lightweight, rigid semi-double cradle frame produces the excellent balance of the RM80X.
- The 6-speed transmission gear is suited ideally to engine torque performance.
- The easy-to-operate rack-and-pinion clutch is upgraded to meet the power increase of the engine.
- The powerful leading-trailing type brake is equipped with a reinforced water and dust preventive mechanism.



- Straight spoke hubs are used to prevent spoke failure.
- The folding type brake pedal is employed for its damage resisting capability.
- The front fender, newly designed to accommodate stroke increase, is effective in preventing mud clogging.

RM80X SPECIFICATIONS

DIMENSIONS AND DRY MASS

- Overall length 1,795 mm (70.7 in)
- Overall width 770 mm (30.3 in)
- Overall height 1,035 mm (40.7 in)
- Wheelbase 1,235 mm (48.6 in)
- Ground clearance 275 mm (10.8 in)
- Dry mass 60kg (132 lbs)

ENGINE

- Type Two-stroke, water-cooled
- Intake system Piston and reed valve
- Number of cylinder 1
- Bore 48.0 mm (1.890 in)
- Stroke 44.0 mm (1.732 in)
- Piston displacement 79 cm³ (4.8 cu.in)
- Compression ratio 8.2:1
- Carburetor MIKUNI VM26SS, single
- Air cleaner Polyurethane foam element
- Starter system Primary kick
- Lubrication system Fuel/Oil premixture of 20:1

TRANSMISSION

- Clutch Wet multi-plate type
- Transmission 6-speed constant mesh
- Gearshift pattern 1-down, 5-up

CHASSIS

- Front suspension Telescopic, pneumatic/coil spring, oil dampened
- Rear suspension Full-floater suspension system
- Front brake Internal expanding
- Rear brake Internal expanding
- Front tire size 2.75-17 4PR
- Rear tire size 4.10-14 4PR

ELECTRICAL SYSTEM

- Ignition type SUZUKI "PEI"
- CAPACITY
- Fuel tank 5.0 L (1.3/1.1 US/Imp gal)

SUZUKI MOTOR CO., LTD. reserves the right to change, without notice, equipment, specifications, colours, materials and other items to apply to local conditions. Each model might be discontinued without notice. Please inquire at your local dealer for details of any such changes. Actual body colours might differ slightly from the colours in this brochure.