


SUZUKI RM125



75 '76 '77 '78 '79 '80 '81 '82 Manufacturer's
Champion of Motocross GP 125
70 '71 '72 '80 '81 Manufacturer's Champion of Moto-
71 '72 '73 '75 '76 '82 Manufacturer's Champion of Motocross GP 500
cross GP 250

WORLD CHAMPIONS



The New RM125 – The Winner's Machine with Super-Light Weight, and Improved Performance; Equipped with the Full-Floater Suspension System and a Powerful Water-Cooled Engine.

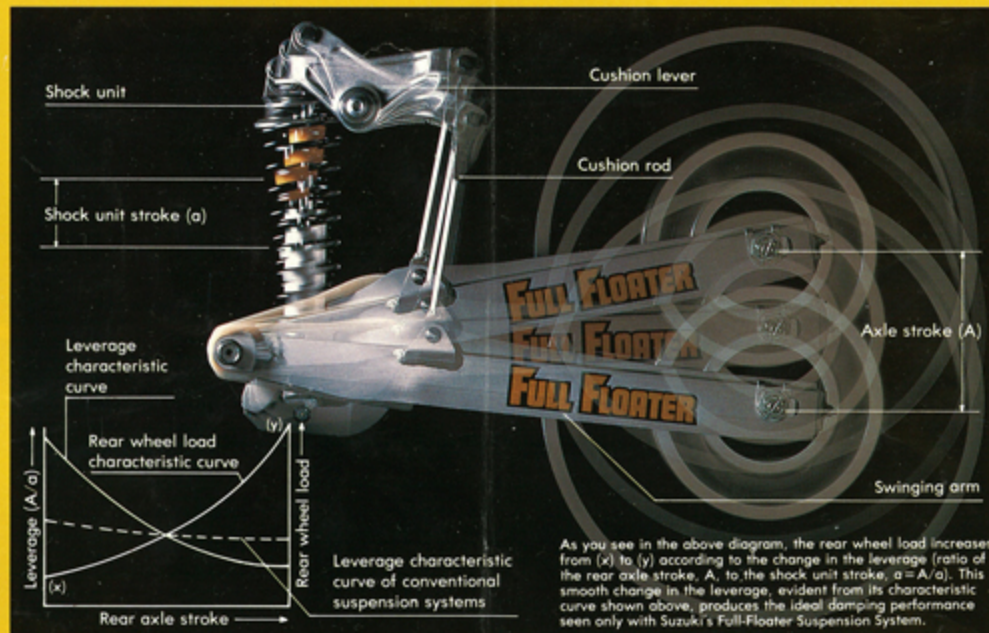


Winning Victories with The Water-Cooled Engine

The RM125 is equipped with a tough, high-performance water-cooled engine which maintains a low heat output and provides tremendous power to the finish line. The compact radiator gives high cooling efficiency without influencing machine maneuverability and is fitted near the gravitational center. The full reed valve provides superb power flow from low speeds through high speeds. The VM type carburetor responds instantly to the rider's most delicate control. The RM125 also incorporates many other improvements such as a newly designed exhaust port, increased crankcase capacity, a newly designed muffler, and an upgraded capacity air cleaner. All these improvements ensure a rapid increase in power in mid-range low end range. This by all means, enables the rider to take the lead on the start dash in any race.

Winning Victories with The Full-Floater Suspension System

The remarkable performance of the Suzuki Full-Floater Suspension System has already been proven worldwide in racing events including the World Championship Motocross GP. Its structure



differs largely from that of conventional mono-shock suspension systems, with its shock unit linked with the swinging arm on the bottom and with the cushion on the top. This unique design permits increase in not only the rear axle stroke but also the shock unit stroke, thus making it possible to reduce the leverage. As a consequence, small shocks can be absorbed smoothly, and the damping force increases in an astonishingly smooth manner in response to shock increase. The Full-Floater Suspension System also has other notable advantages such as the great energy it can absorb, compact and lightweight system design, and performance stability even during hard riding for extended periods. The new RM125 provides greater roadability and maneuverability attained by many improvements including the extension of the rear axle stroke by 12mm (0.5 in) and the use of an aluminum cushion

rod. All these significant improvements result in a phenomenal enhancement of the RM125's racing power, differentiating it from rival machines of the same class by a greater margin than before.

Winning Victories with The Damping Force Adjusting Front Fork

The front fork of the RM125, having a long stroke of 285mm (11.25 in), is of the air pressure/coil spring type. For further functional improvement, Suzuki introduced a new, dial type damping force adjusting mechanism. Since the air pressure can be freely adjusted, the rider can set the suspension according to course condition and his own



preference.

Winning Victories with The Semi-Double Cradle Frame

The Full-Floater Suspension System reduces the weight of not only the suspension itself but also the frame, because its excellent shock absorbing performance works to reduce loads to be supported by the frame. As a consequence, the new RM125 was developed as the lightest machine in its class. The semi-double cradle frame of chrome-molybdenum steel is a mirror of Suzuki's highly reputed technological capability which enable its team to ride to victory after victory in all major races. Its rigidity and excellent balance is evidence of Suzuki's proven technological capabilities.

Winning Victories with Ingenious Design of Parts

- Suzuki's exhaustive efforts to lighten the weight of all machine parts, including every single screw and nut, resulted in the development of the lightest machine in its class, weighing only 87kg (1.91 lb) (dry).
- The 6-speed transmission matches nicely with the engine torque performance. The gears are made of the same material used for the champion machine RA82.
- The powerful leading-trailing brake is provided with a reinforced water and dust preventive mechanism.



- The new folding-type brake pedal is introduced. When the pedal reaches the ground, it moves back to prevent damage.
- The newly designed rear fender eliminating mud clogging is also introduced.



Two-Stroke, Water-Cooled Engine

Radiator

Full-Floater Suspension System

Folding-Type Brake Pedal

Six-Speed Transmission

Damping-Force-Adjusting Front Fork

RM125 SPECIFICATIONS

DIMENSIONS AND DRY MASS	Overall length	2,130 mm (83.9 in)	TRANSMISSION	Clutch	Wet multi-plate type	
	Overall width	845 mm (33.3 in)		Transmission	6-speed constant mesh	
	Overall height	1,250 mm (49.2 in)		Gearshift pattern	1-down, 5-up	
	Wheelbase	1,450 mm (57.1 in)		CHASSIS	Front suspension	Telescopic, pneumatic/coil spring, with adjustable compression damping
	Ground clearance	345 mm (13.6 in)			Rear suspension	Full-floater suspension system
	Dry mass	87 kg (191 lbs)			Front brake	Internal expanding
ENGINE	Type	Two-stroke cycle, water-cooled	Rear brake		Internal expanding	
	Intake system	Full reed valve	Front tyre size		90/80-21 4PR	
	Number of cylinders	1	Rear tyre size		120/80-18 4PR	
	Bore	54.0 mm (2.126 in)	ELECTRICAL SYSTEM	Fuel tank including reserve	6.5L (1.7/1.4 US/Imp gal)	
	Stroke	54.0 mm (2.126 in)		CAPACITY	Ignition type	SUZUKI "PEI"
	Piston displacement	(7.5 cu. in)	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.			
	Compression ratio	8.7 : 1				
	Carburetor	MIKUNI VM32SS, single				
	Air cleaner	Polyurethane foam element				
	Starter system	Primary kick				
	Lubrication system	Fuel/oil premixture of 20 : 1				

Reliable Suzuki Loved by People in 150 Countries in the World

Since its foundation in 1920, Suzuki has been supplying the world with value-packed products endorsed by numerous achievements and high-level techniques. A wide range of products.

Motorcycles with champion's pride and experience obtained in the world's famous, most gruelling GP races. Low fuel consumption and maneuverability-conscious automobiles which will lead the future small-car market. Outboard motors which have won high reputation in durability, lightweight construction,

high performance and easy operation.

What is more, Suzuki products extend to generators, general-purpose engines, and a motorized wheelchair for handicapped persons as well.

They are all product lineups which deserve the name as an integrated manufacturer of transportation machines.

Suzuki will continue to supply products loved and trusted by people in the world, with highly-advanced technology.



snellingen & smestad
 HUSQVARNA OG SUZUKI CROSS-SYKLER
 Butikk: Vålerenggt. 5 - Oslo 6 - Tlf. 02-68 83 63
 Verksted: Østensjøvn. 59 - Oslo 6 - Tlf. 19 59 88

14.900