



Way of Life!

2012 **RM 85**

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MSRP: \$4,149



The RM85 is back to carry on the powerful tradition of racing excellence in the Suzuki RM family. Its two-stroke engine produces smooth power at any rpm with an emphasis on low- to mid-range performance. Just like its bigger brothers, the RM85 delivers class-leading handling for experienced racers and rookie riders alike. With its smooth power delivery and loads of mid-range and lightweight handling, the 2012 RM85 is the perfect motocross bike for anyone learning to race—and to win!



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TOP 10 FEATURES



The RM85's high-revving 84.7cc, 2-stroke, liquid-cooled, reed-valve engine has a bore and stroke of 48.0mm x 46.8mm. The cylinder features Suzuki Composite Electrochemical Material (SCEM) for durability, weight reduction and effective heat transfer for superior performance and reliability.



The exhaust valves are made of aluminum to best match the expansion rate of the cylinder itself, to improve sealing. The RM85's exhaust valve governor and actuator provide good throttle response and overall tractability for confidence-inspiring power delivery and excellent performance.



The RM85 is equipped with a smooth shifting six-speed transmission. The transmission features a fully worked-out shift mechanism including a strong shift-drum detent spring and needle bearing on the left side of the shift drum. A knurled shift-pedal tip delivers excellent grip and shift feel, inspiring confidence on even the toughest tracks.



A tubular steel frame and thick-walled aluminum swingarm provides class-leading performance on the track, especially in the corners. The frame was designed for increased rigidity, durability and straight-line performance; it features large diameter tubing in key areas and a large front reinforcement plate.



Showa 37mm inverted front forks are completely adjustable for rider weight, style and ability. The forks feature a cartridge damping system with fully-adjustable rebound damping and 20-way adjustable compression damping (also included are fork guards to protect the inner fork tubes). The front forks offer 275mm (10.8 inches) of travel, for smooth, confident handling over tough terrain and difficult tracks.



A Showa rear shock absorber, with its large diameter shock body, is designed and properly valved to produce a plush feel and increase bottoming resistance. The Showa rear shock provides 277mm (10.9 inches) of wheel travel for smooth, consistent handling and performance on demanding racetracks.



The RM85 comes with a twin-piston caliper front brake with 220mm (8.7 inches) large-diameter disc provide unrivaled braking performance with excellent feel at the lever.



The RM85 comes with a large-diameter rear disc brake with 200mm (7.9 inches) disc and rigid rear brake caliper to provide reliable braking performance, long pad life, and easy maintenance. A forged aluminum rear brake pedal gives the rider accurate braking feel.



The RM85 also comes with a light, narrow-diameter front and rear brake hose. The front brake hose is routed behind the fork leg, eliminating the need for a brake hose cover, which helps reduce weight. A rigid rear brake caliper provides reliable braking performance, long pad life and is easy to maintain.



The RM85's footpegs are made of cast chrome-molybdenum steel, instead of stamped steel, which makes them more durable with better grip.

SUZUKI EDGE

MODEL NAME:	2012 Suzuki RM85	SUZUKI EDGE	2012 Kawasaki KX85	2012 Yamaha YZ85	2012 Honda CRF150R	2012 Kawasaki KX100	2012 KTM 85SX
MSRP:	\$4,149	The RM85 represents a class-leading value offering an outstanding package of cutting-edge features like a 84.7cc 2-stroke, liquid-cooled reed-valve powerplant with Suzuki Composite Electrochemical Material (SCEM) coated cylinder and Showa front and rear suspension at a competitive MSRP \$1050 less than the KTM 85SX.	\$3,999	\$3,990	\$4,099	\$4,199	\$5,199

ENGINE

Bore x Stroke:	48.0mm x 46.8mm	Suzuki uses the optimum bore and stroke ratio for maximum horsepower and torque, resulting in ultimate performance on the track.	48.5mm x 45.8mm	47.5mm x 47.8mm	66.0mm x 43.7mm	52.5mm x 45.8mm	47.0mm x 48.95mm
Compression Ratio:	9.5:1 (Ex valve open) 10.9:1 (Ex valve closed)	The Suzuki RM85 boasts one of the highest compression ratio in its class, producing plenty of torque low in the rev range for optimum performance with exceptional engine efficiency and durability.	1 0.0:1 (low speed) 9.2:1 (high speed)	8.2 :1	11.7:1	9.6:1 (low speed) 8.8:1 (high speed)	N/A
Engine:	84.7cc liquid cooled, single-cylinder, 2-stroke	The RM85's high-revving 84.7cc 2-stroke, liquid-cooled, reed-valve engine produces smooth power at any rpm, with an emphasis on low-to-mid range performance for incredible performance and acceleration. The RM85's high-revving 2-stroke engine is lightweight and produces incredible off-the-line power delivery, unlike a 4-stroke engine like the Honda CRF150R's.	84cc liquid-cooled, single-cylinder, 2-stroke	85cc liquid-cooled, single cylinder, 2-stroke	149cc liquid-cooled, single cylinder, 4-stroke, SOHC	99cc liquid-cooled, single-cylinder, 2-stroke	84.9cc liquid-cooled, single cylinder, 2-stroke
Fuel System:	28mm Keihin carburetor	The Suzuki RM85 uses a proven Keihin PE28 carburetor for reliable and smooth, efficient power delivery.	28mm carburetor	28mm carburetor	32mm carburetor	28mm carburetor	28mm carburetor
Final Drive:	Chain D.I.D. 428DS (118 links)	The RM85 features a proven, reliable 118-link D.I.D. chain drive system for superior performance with outstanding durability.	Chain	Chain	Chain	Chain	Chain
Transmission:	6-speed constant mesh	The RM85's 6-speed transmission provides extra flexibility, offering gear ratios suited for excellent handling, acceleration and performance on a wide variety of terrains and conditions. You won't find a full 6-speed transmission on the Honda CRF150R.	6-speed	6-speed	5-speed	6-speed	6-speed

CHASSIS

Brakes Front:	Single 220mm disc, lightweight twin piston caliper.	The RM85 features a high-quality twin-piston front brake caliper and large 220mm diameter front brake rotor, plus large capacity front master cylinder for excellent stopping power and excellent feel at the lever.	Single disc	Single 220mm disc	Single 220mm disc	Single disc	Single 220mm disc
Brakes Rear:	Single 200mm disc, lightweight caliper	The RM85 features a lightweight rear brake system with a 200mm rotor for confidence-inspiring braking feel and stopping power.	Single disc	Single 190mm disc	Single 190mm disc	Single disc	Single 210mm disc

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Curb Weight:	74 kg (161 lbs)	Suzuki offers the complete package of technology and enhancements for the RM85, including a powerful 84.7cc 2-stroke, liquid-cooled engine and Showa front and rear suspension, delivering unrivaled handling and performance, while remaining competitively lightweight.	152.1 lbs	157 lbs	183 lbs	156.5 lbs	150 lbs (without fuel)
Wheelbase:	1240mm (48.8 in.)	The RM85's compact 48.8-inch wheelbase is the shortest in the class and an optimal size for the bike's length and width. This results in precise handling and stability over the toughest racetracks.	49.4 in.	49.5 in.	49.6 in.	50.8 in.	50.79 in.
Overall Length:	1805mm (71.1 in.)	The RM85 has an optimal 71.1-inch overall length designed for top performance and a maneuverable balanced package.	71.7 in.	71.7 in.	N/A	75.2 in.	N/A
Overall Width:	735mm (28.9 in.)	The overall width of the Suzuki RM85 is .9 inches narrower than the Yamaha YZ85, resulting in better maneuverability and excellent handling in tight sections of the racetrack.	28.9 in.	29.8 in.	N/A	28.9 in.	N/A
Seat Height:	850mm (33.5 in.)	The RM85's seat height is a competitively low 33.5 inches – offering a comfortable riding position for a wider variety of riders.	33.1 in.	34.0 in.	32.8 in.	34.3 in.	34 in.
Ground Clearance	325mm (12.8 in.)	The RM85 features respectable ground clearance with an excellent center of gravity for confidence-inspiring handling and agility on the track.	13.4 in.	13.8 in.	11.9 in.	15.0 in	13.8 in.
Fuel Tank Capacity:	5.0L (1.3 US gal.)	The RM85's fuel-efficient 84.7cc 2-stroke powerplant and compact fuel tank makes it easy to reach the finish line first while remaining lightweight for superior maneuverability.	1.5 US gal.	1.3 US gal.	1.14 US gal.	1.5 US gal.	1.3 US gal.
Suspension Front:	37mm Showa telescopic fork, fully adjustable, pneumatic/coil spring, oil damped, 10.8-in of travel	The RM85 uses class-leading Showa 37mm inverted telescopic front forks that provide 10.8 inches of wheel travel for unrivaled handling and performance, and are preload and compression/rebound-damping adjustable to suit any rider's weight, style or ability.	36mm inverted fork; 10.8 in. of travel	Inverted fork; 10.8 in. of travel	37mm inverted fork; 10.8 in. of travel	36mm inverted fork; 10.8 in. of travel	43mm inverted WP fork; 10.6 in. of travel
Suspension Rear:	Showa rear shock, link type, coil spring, oil damped, fully adjustable, 10.9-in of travel	The RM85 features a class-leading Showa rear shock absorber with larger diameter shock body that provides 10.9 inches of wheel travel – resulting in a comfortable, confidence-inspiring ride.	Uni-Trak single shock; 10.8 in. of travel.	Single shock; 11.1 in. of travel	Pro-Link single shock; 10.7 in. of travel	Uni-Trak single shock; 10.8 in. of travel.	Single shock; WP PDS; 11.8 in. of travel

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Tires Front:	70/100-17	The RM85 features a brawny 70/100-17 front tire that provides excellent traction and hook up over a wide variety of terrain and track conditions.	70/100x17	70/100-17	70/100-17	70/100-19	70/100x17
Tires Rear:	90/100-14	The RM85 features a brawny 90/100-14 rear tire that provides excellent traction and hook up over a wide variety of terrain and track conditions.	90/100x14	90/100-14	90/100-14	90/100-16	90/100x14
Color:	Champion Yellow	The RM85 is offered in Suzuki's iconic Champion Yellow color – just like Suzuki's race-winning pro bikes.	Green	Blue/White	Red	Green	Orange