

# 2016 EDGE Product Comparison Guide



Way of Life!



**RM 85**

# RM85



## 2016 RM85

### *Start Racing with the Suzuki Advantage*

The RM85 continues to carry on the powerful tradition of racing excellence in the Suzuki RM family. The two-stroke engine produces smooth power at any rpm with an emphasis on low to mid-range performance.

Just like the larger models, the RM85 delivers class-leading handling for both experienced racers and rookie riders alike. With its smooth power delivery and lightweight handling, the 2016 RM85 is the perfect motocross bike for anyone learning to race—and striving to win!

Champions Choose Suzuki...and Suzuki supports future champions! In addition to all the high-tech features and race-winning performance of the 2016 RM and RM-Z models, Suzuki offers the best amateur racing program around!

### **Color**

Champion Yellow / Solid Black

### **Pricing**

MSRP \$4,099





**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 forks are completely adjustable for rider weight, style and ability.** The forks use a cartridge damping system with fully adjustable rebound damping and 20-way adjustable compression damping (also included are guards to protect the inner fork tubes). The forks offer 275mm (10.8 inches) of travel, for smooth, confident handling.



**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 link-style rear suspension 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** that provides unrivaled braking performance with excellent feel at the lever.



**The RM85 comes with a large-diameter rear disc brake with a 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.

MODEL:	2016 Suzuki RM85	SUZUKI EDGE	2016 Honda CRF150R	2016 Kawasaki KX85	2016 Yamaha YZ85	2015 Husqvarna TC85 17/14	2016 KTM 85 SX
<b>MSRP:</b>	\$4,099	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 ultra-competitive MSRP that is \$250 less than the Kawasaki KX85, \$1400 less than the Husqvarna TC85, and an mind boggling \$1500 less than the KTM 85SX. The RM85 is the best way to get into real racing with a MSRP that is \$891 less than the more difficult-to-maintain and costly-to-race Honda CRF150R.	\$4,990	\$4,349	\$4,090	\$5,499	\$5,599
<b>ENGINE</b>							
<b>Engine:</b>	84.7cc liquid-cooled, 2-stroke, piston reed-valve, exhaust valve	A landmark in motorcycle design, the venerable RM85's engine has faced completion and time to beat down all comers. Blessed with a crankcase reed-valve intake and a wide-ranging exhaust valve the engine adjusts performance constantly. It's a tractable and powerful two-stroke power plant that is so reliable it would be foolish for someone starting out in racing to select anything else. The RM85's 2-stroke engine is just a better choice for amateur racing, unlike a 4-stroke engine like the Honda CRF150R's.	149cc liquid-cooled, 4-stroke SOHC	84cc liquid-cooled, 2-stroke, piston reed-valve	85cc liquid-cooled, 2-stroke, piston reed-valve	84.93cc liquid-cooled, 2-stroke, piston reed-valve, exhaust valve	84.93cc liquid-cooled, 2-stroke, piston reed-valve, exhaust valve
<b>Bore/Stroke:</b>	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. A young racer's reward is smooth tractable power with a big top end hit, perfect for getting a career off to a good start.	66.0mm x 43.7mm	48.5mm x 45.8mm	47.5mm x 47.8mm	47.0mm x 48.95mm	47.0mm x 48.95mm
<b>Compression Ratio:</b>	10.9: 1 (low speed) 9:51 (high speed)	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. Because of its class-standard two-stroke engine's reed and power valves, the compression ratio adjusts as the RPMs change.	11.7:1	10.9: 1 (low speed) 9:01 (high speed)	8.1:1	N/A <i>not published</i>	N/A <i>not published</i>
<b>Fuel System:</b>	Keihin PE28, 28mm carburetor	The Suzuki RM85 uses a proven Keihin PE28 carburetor for reliable and smooth, efficient power delivery. Its smart design makes service and tuning easy so time will be spent on the track during practice, not on the pits.	32mm carburetor	28mm carburetor	28mm carburetor	28mm carburetor	28mm carburetor
<b>Lubrication:</b>	Pre-mix top-end lubrication, gear-case oil	The RM85 requires pre-mix oil in its fuel. But the transmission fluid is easier to maintain and without the expense required with four-stroke engines such as the Honda CRF150R.	Wet sump, oil pump	Pre-mix top-end lubrication, gear-case oil only	Pre-mix top-end lubrication, gear-case oil only	Pre-mix top-end lubrication, gear-case oil only	Pre-mix top-end lubrication, gear-case oil only

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<b>Transmission:</b>	6-speed constant mesh	The RM85 features a 6-speed transmission with refined gear ratios, giving riders the flexibility to select the best gear for the conditions. This bullet-proof transmission provides gear ratios suited for excellent handling, acceleration and performance on a wide variety of race tracks. You won't find a full 6-speed transmission on the Honda CRF150R.	5-speed	6-speed	6-speed	6-speed	6-speed
<b>Final Drive:</b>	Chain, DID428DS, 118 links	The RM85 features a proven, reliable 118-link D.I.D. chain drive system for superior performance, low rolling resistance with outstanding durability.	Chain	Chain	Chain	Chain	Chain
<b>CHASSIS</b>							
<b>Front Brakes:</b>	Hydraulic disc brake, single 220mm (8.7 in.) rotor, Nissin 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.	Disc 220mm	Disc (size not published)	Disc 220mm	Disc 220mm	Disc 220mm
<b>Rear Brakes:</b>	Hydraulic disc brake, single 200mm (8.7 in.) rotor, Nissin caliper.	The RM85 features a lightweight rear brake system with a 200mm rotor for confidence-inspiring braking feel and stopping power.	Disc 190mm	Disc (size not published)	Disc 190mm	Disc 210mm	Disc 210mm
<b>Weight:</b>	161 lbs. (73 kg)	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.	185 lbs.	165.3 lbs.	157 lbs.	148.8 lbs. without fuel	148.8 lbs. without fuel
<b>Fuel Tank Capacity:</b>	1.3 US gal. (5.0 L)	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.	1.11 US gal.	1.32 US gal.	1.3 US gal.	1.3 US gal.	1.3 US gal.
<b>Ground Clearance:</b>	12.8 in. (325mm)	The RM85 features respectable ground clearance with an excellent center of gravity for confidence-inspiring handling and agility on the track.	11.9 in.	11.4 in.	13.0 in.	13.8 in.	13.8 in.
<b>Overall Length:</b>	71.1 in. (1805mm)	The RM85 has an optimal 71.1-inch overall length designed for top performance and a maneuverable balanced package.	N/A <i>not published</i>	72.0 in.	71.7 in.	N/A <i>not published</i>	N/A <i>not published</i>

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<b>Overall Width:</b>	28.9 in. (735mm)	The overall width of the Suzuki RM85 is 0.9 inches narrower than the Yamaha YZ85 and the other motorcycles in its class, resulting in better maneuverability and excellent handling in tight sections of the racetrack.	N/A <i>not published</i>	30.1 in.	29.9 in.	N/A <i>not published</i>	N/A <i>not published</i>
<b>Wheelbase:</b>	48.8 in. (1240mm)	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.	49.6 in.	49.8 in.	49.5 in.	50.8 in.	50.8 in.
<b>Seat Height:</b>	33.5 in. (850mm)	The RM85's seat height is a competitively low 33.5 inches – offering a comfortable riding position for a wider variety of riders.	32.8 in.	32.7 in.	33.1 in.	35.0 in.	35.0 in.
<b>Front Suspension:</b>	SHOWA 37mm inverted, telescopic, pneumatic/coil spring, oil damped, 10.8 in. travel	The RM85 uses premium 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.	37mm Inverted fork; 10.8 in. travel	36mm inverted fork; 10.8 in. travel	36mm inverted fork; 10.8 in. travel	43mm inverted fork; 10.6 in. travel	43mm inverted fork; 10.6 in. travel
<b>Rear Suspension:</b>	Swingarm, link type, SHOWA shock, 10.9 in. travel	The RM85 features a first-class SHOWA rear shock absorber with larger diameter, rebuildable shock body that provides 10.9 inches of wheel travel – resulting in a comfortable, confidence-inspiring ride.	Single shock; 10.7 in. travel	Single shock; 10.8 in. travel	Single shock; 11.1 in. travel	Single shock; 11.8 in. travel	Single shock; 11.8 in. travel
<b>Front Tire:</b>	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.	70/100-17	70/100-17	70/100-17	70/100-17	70/100-17
<b>Rear Tire:</b>	90/100-14	The RM85 features a rugged 90/100-14 rear tire that provides excellent traction and hook up over a wide variety of terrain and track conditions.	90/100-14	90/100-14	90/100-14	90/100-14	90/100-14
<b>Color:</b>	Champion Yellow / Solid Black	The RM85 is offered in iconic Suzuki Champion Yellow with a black rear fender and fork guards, yellow front number plate and updated graphics.	Red	Green	Blue	White	Orange