

# 2015 EDGE Product Comparison Guide



Way of Life!



**RM-Z450**

# RM-Z450



## **2015 RM-Z450** ***Champion Approved!***

The RM-Z450 continues to evolve for 2015, delivering a higher level of performance while maintaining the great balance of the current model.

The 449cc 4-stroke liquid-cooled DOHC 4-valve fuel-injected engine along with new performance upgrades straight from the factory is the reason why champions choose Suzuki!

Upgrades to the RM-Z450 for 2015 include:

- \* Suzuki Hole Shot Assist Control
- \* SHOWA SFF-AIR Fork
- \* Redesigned Engine
- \* Redesigned Frame

Champions Choose Suzuki...and Suzuki supports future champions! In addition to all the high-tech features and race-winning performance of the 2014 RM-Z models, Suzuki offers the best amateur racing program around!

### **Color**

Champion Yellow / Solid Black

### **Pricing**

2015 Base MSRP \$8,749



# RM-Z450

## TOP 10 FEATURES



The RM-Z40 is powered by a compact 449cc, liquid-cooled, DOHC, four-valve, semi-dry-sump, 4-stroke engine. Its advanced, battery-less Suzuki fuel-injection system, features a 44mm throttle body with progressive throttle linkage and a 16-bit computer. Ultra-lightweight SCEM-coated cylinder and magnesium covers keeps mass low and engine performance high.



The Suzuki Holeshot Assist Control (S-HAC) is a selectable launch mode system derived straight from the factory race bike to help riders gain an early lead from the starting gate. A simple-to-use handlebar-mounted button lets the rider choose one of three mode options for their skill level and riding conditions.



The front SFF-Air suspension is an evolution of the SFF system with no coil spring, reduced weight, increased inner tube diameter, and increased damper rod/piston size. The SFF-Air is made of 3 chambers and riders can easily change the spring rate with an air pump instead of changing out the coil springs.



Engine starting has been improved with a longer kick starter lever for easier operation, a redesigned kick drive gear, a relocated kick idle gear, a new breather gear, plus a redesigned camshaft-mounted decompression system that works more precisely and efficiently.



Cooling performance for the 2015 RM-Z450 has been enhanced with the radiator hose connection being changed from a T-shaped to a Y-shaped design to equalize water flow between the left and right radiators. Water flow is also increased by 16% with a redesigned water pump cover and the water hose is now directly connected to the water pump.



The RM-Z450 features a twin-spar aluminum frame and swing arm developed and refined to achieve balance between rigidity and compliance. For 2015, frame's redesign increases rigidity and reduces weight by 4% from the previous model. A Renthal aluminum alloy Fatbar and gripper seat are standard equipment allowing better rider positioning than the competition.



A 5-speed transmission provides extra flexibility, offering gear ratios suited for various terrains and conditions. For 2015 the gear shift feel has been improved with a revised gear shift cam for a more precise and smooth shift operation. The RM-Z450 has a link-type shifting system, which offers smooth transitions through all the gears.



The RM-Z450 comes with two additional EFI setting couplers, for quick fuel setting adjustment. The gray coupler increases fuel delivery by 4% over standard. The white coupler reduces fuel by 4% below standard. The convenient coupler location allows the rider to change fuel settings without using any tools.



The RM-Z450's lightweight aluminum exhaust muffler meets AMA Racing sound limit (94db) while keeping smooth engine output for class-leading performance and power. The air cleaner box's back panel is made of carbon-fiber mixed material for low weight and strength.



Race-inspired wave brake disc rotors offer enhanced cooling performance and efficient mud slinging. The rotors work in conjunction with lightweight (twin-piston) calipers resulting in exceptional braking performance and consistent feel at the lever. The RM-Z450 is equipped with Excel aluminum rims as standard equipment.

MODEL:	2015 Suzuki RM-Z450	SUZUKI EDGE	2015 Honda CRF450R	2015 Yamaha YZ450F	2015 Kawasaki KX450F	2015 KTM 350 SX-F	2015 KTM 450 SX-F
<b>MSRP:</b>	\$8,799	The RM-Z450 represents an incredible value offering more class-leading performance features like Suzuki fuel injection with tunable fuel settings, a new S-HAC launch control system, Showa SFF AIR front suspension and a Suzuki Composite Electrochemical Material (SCEM) plated cylinder at a competitively-low MSRP which is \$200 lower than the KTM 450 SX-F. Expanding the motorcycle's value this year is a host of improvements that will ensure the RM-Z450 stays at the top of the podium.	\$8,699	\$8,590	\$8,699	\$8,799	\$8,999
<b>ENGINE</b>							
<b>Engine:</b>	449cc liquid-cooled, 4-stroke DOHC	The RM-Z450's compact 449cc, DOHC four-stroke engine features a lightweight, SCEM-coated aluminum cylinder for durability, reduced weight and efficient heat transfer. The Dual Overhead Camshaft cylinder head (DOHC) offers valve train advantages over the Honda CRF 450R and the KTM 450SX-F and 650SX-F. The RM-Z has no difficulty in out performing the KTM 350 SX-F with 100cc's more displacement.	449cc liquid-cooled, 4-stroke SOHC	449.7cc liquid-cooled, 4-stroke DOHC	449cc liquid-cooled, 4-stroke DOHC	349.7cc liquid-cooled, 4-stroke. SOHC	449.3cc liquid-cooled, 4-stroke SOHC
<b>Bore Stroke:</b>	96.0mm x 62.1mm	The RM-Z450 features optimal bore and stroke ratio for motocross-winning performance. The over-square ratio is key to high RPM performance, but other attributes maintain the engine's strong torque curve. In addition to the SCEM-coated cylinder, the piston pin has Diamond-Like Carbon (DLC) surface treatment, for less friction and increased durability.	96.0mm x 62.1mm	97.0mm x 60.8mm	96.0mm x 62.1mm	88mm x 57.5mm	95mm x 63.4mm
<b>Compression Ratio:</b>	12.5:1	The RM-Z450 features a competitive compression ratio that is optimal for performance and reliability. The short, slipper-style piston and precision ring set maintain a tight seal on combustion chamber pressure to maximize horsepower.	12.5:1	12.5:1	12.8:1	13.65:1	12.6:1
<b>Fuel System:</b>	Suzuki fuel injection, 44mm throttle body, 16-bit ECM with adjustable fuel delivery	The RM-Z450's Suzuki fuel injection is an advanced, battery-less fuel-injection (EFI) system equipped with a 44mm throttle body with progressive throttle linkage and a 16-bit computerized ECM that creates excellent throttle response and better overall performance than the competition. Included with the motorcycle is a coupler set that lets the rider adjust the EFI's fuel delivery setting without tools (EFI tuning parts are an extra cost, accessory option for the Honda CRF450R, Yamaha YZ450F, KTM 450 SX-F and the KTM 350 SX-F).	EFI 46mm Throttle body	EFI 44mm Throttle body	EFI 43mm Throttle body	EFI 44mm Throttle body	EFI 44mm Throttle body

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<b>Lubrication:</b>	Suzuki Advanced Sump System (SASS)	The RM-450's compact, lightweight Suzuki Advanced Sump System (SASS) utilizes a separate crankshaft chamber & transmission chamber to reduce oil drag on the crankshaft and lower the crankshaft position which results in a low center of gravity for superior reliability and better weight distribution. The dry sump's precision machined, oil pump rotors spin freely to keep mechanical loss practically imperceptible.	Dry sump, oil pump	Dry sump, oil pump	Semi-dry sump, oil pump	Semi-dry sump, 2 oil pumps	Semi-dry sump, 2 oil pumps
<b>Transmission:</b>	5-speed constant mesh	The RM-Z450 features a 5-speed transmission with refined gear ratios providing riders the flexibility to select the best gear for the terrain and conditions. This also results in impressive acceleration, especially in 1st gear, for first-off-the-line positioning when competing. Additionally, the 2015 RM-Z450's link-type shifting system has been improved through a revised gear shift cam for a more precise and smooth shift operation through all the gears.	5-speed	5-speed	5-speed	5-speed	5-speed
<b>Final Drive:</b>	Chain, DID520MXV4, 114 links	The RM-Z450 boasts a high-quality D.I.D. brand 114-link chain drive to deliver power from the RM-Z450's robust 449cc 4-stroke, Suzuki fuel-injected engine for unrivaled performance and reliability.	Chain	Chain	Chain	Chain	Chain
<b>CHASSIS</b>							
<b>Front Brakes:</b>	Hydraulic disc brake, single 250mm race-ready wave disc rotor, Nissin caliper.	The RM-Z450 features a competition-ready hydraulic front disc brake with high quality Nissin caliper and high-performance 250mm wave disc rotor that offers enhanced cooling performance. The wave edge design combined with the centrifugal force of the large diameter rotor, keeps mud and other debris from contaminating the brakes and affecting stopping performance.	Disc 260mm	Disc 250mm	Disc 270mm	Disc 260mm	Disc 260mm
<b>Rear Brakes:</b>	Hydraulic disc brake, single 240mm race-ready wave disc rotor, Nissin caliper.	The RM-Z450 features a The wave edge design combined-ready hydraulic rear disc brake with lightweight Nissin caliper and a 240mm disc that provides effective, reliable stopping power and race-winning performance. To ensure strong and progressive stopping performance a semi-sintered brake pad material is used. The brake disc's design is similar to the RM-Z's front brake with a wave-style edge and specially shaped "windows" that keep the brake pads clean and enhances braking in wet conditions.	Disc 240mm	Disc 245mm	Disc 240mm	Disc 220mm	Disc 220mm

MODEL:	2015 Suzuki RM-Z450	SUZUKI EDGE	2015 Honda CRF450R	2015 Yamaha YZ450F	2015 Kawasaki KX450F	2015 KTM 350 SX-F	2015 KTM 450 SX-F
<b>Weight:</b>	249 lbs. (113 kg)	The RM-Z450's ultra-competitive package boasts high-quality race-developed performance features, including Suzuki fuel injection, Holeshot Assist launch control and Showa SFF Air front suspension at an impressive power-to-weight ratio that is ready to win. At under 250 pounds the power-to-weight ratio is favorable, especially when matched with Suzuki's renowned, nimble handling characteristics.	243 lbs.	245 lbs.	247.1 lbs.	233.5 lbs. without fuel	235.5 lbs. without fuel
<b>Fuel Tank Capacity:</b>	1.6 US gal. (6.2L)	The RM-Z450 boasts an aluminum fuel tank that offers a competitively sized fuel capacity to supply the RM-Z450's highly efficient Suzuki fuel injected 449cc engine.	1.7 US gal.	2.0 US gal.	1.64 US gal.	1.98 US gal.	1.98 US gal.
<b>Ground Clearance:</b>	12.8 in. (325mm)	The lightweight RM-Z450 features ample, competitive ground clearance and with Suzuki's class-leading Showa suspension package, provides a complete motocross package that provides excellent overall handling and ground clearance to take on the toughest tracks.	13.0 in.	13.2 in.	13.0 in.	14.8 in.	14.61 in.
<b>Overall Length:</b>	86.2 in. (2190mm)	The RM-Z450 has an optimal overall length, under 87 inches, that is designed for top performance and unrivaled handling on the track.	N/A <i>not published</i>	85.6 in.	86.4 in.	N/A <i>not published</i>	N/A <i>not published</i>
<b>Overall Width:</b>	32.7 in. (830mm)	The 32.7-inch overall width of the RM-Z450 is carefully designed to allow a competitive balanced package that is maneuverable, yet offers excellent stability and a comfortable riding position.	N/A <i>not published</i>	32.5 in.	32.3 in.	N/A <i>not published</i>	N/A <i>not published</i>
<b>Wheelbase:</b>	58.9 in. (1495mm)	At 58.9-inches, the RM-Z450 features a competitive wheelbase for excellent stability, especially over rough tracks and difficult riding conditions.	58.7 in.	50.8 in.	58.8 in.	58.9 in.	58.9 in.
<b>Seat Height:</b>	37.6 in. (955mm)	The RM-Z450 has a competitively low seat height that is about 1-inch lower than the Yamaha YZ450F and 1.5-inches lower than KTM 350SX-F and 450 SX-F, which, along with the RM-Z450's gripper seat cover, creates a slim, comfortable riding position that lets the rider have great control of the machine.	37.5 in.	38.4 in.	37.8 in.	39.1 in.	39.1 in.

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<b>Front Suspension:</b>	SHOWA SFF AIR 48mm inverted telescopic forks, air spring, oil-damped, 12.2-in. travel	The RM-Z450 uses the foremost fork in MX today; the 48mm Showa Separate Function Fork AIR (SFF-Air) front fork that features infinitely adjustable air-pressure preload and compression/rebound-damping adjustability that emphasizes smooth shock absorption and ample bottoming resistance for incomparable suspension performance. A trio of air chambers replace conventional steel, coil springs to reduce weight and provide suspension tuning that takes just minutes using a Suzuki air pump and a simple screwdriver. The RM-Z450's class-leading Showa suspension provides 12.2 inches of wheel travel which is almost half an inch more than what is found on the KTM 350 SX-F & 450 SX-F.	48mm Inverted fork; 12.2 in. travel	Inverted fork; 12.2 in. travel	Inverted fork; 12.4 in. travel	Inverted fork; 11.8 in. travel	Inverted fork; 11.8 in. travel
<b>Rear Suspension:</b>	Swingarm, link type, SHOWA shock, 12.2 in. travel	The RM-Z450 features a class-leading Showa piggy-back reservoir rear shock with high-speed/low-speed compression damping adjustment and rebound damping with spring preload adjustments. The damping force adjusters are easily accessed for suspension fine tuning to maximize race performance. The high-performance, oil and nitrogen-charged shock, working through Suzuki's rising-rate linkage system, provides 12.2 inches of wheel travel.	Single shock; 12.4 in. travel	Single shock; 12.4 in. travel	Single shock; 12.4 in. travel	Single shock; 12.5 in. travel	Single shock; 12.48 in. travel
<b>Front Tire:</b>	80/100-21 Bridgestone M403	The RM-Z450 is equipped with a resilient Bridgestone 21" front tire that provides excellent traction over tough terrain. This tire is mounted to a tough EXCEL aluminum rim with sturdy, lightweight stainless steel spokes with heavy-duty nipples that stand up to the rigors of racing.	80/100-21	80/100-21	80/100-21	80/100-21	80/100-21
<b>Rear Tire:</b>	110/90-19 Bridgestone M404	The RM-Z450 comes standard with a durable Bridgestone 19" rear tire that provides excellent traction. This tire features a carcass and lug design that holds up well to launches and aggressive acceleration. The rear tire is mounted to a tough EXCEL aluminum rim with sturdy, lightweight stainless steel spokes with heavy-duty nipples.	120/80-19	120/80-19	120/80-19	110/90-19	110/90-19
<b>Color:</b>	Champion Yellow / Solid Black	The RM-Z450 is offered in the iconic Suzuki Champion Yellow color, with a black rear fender and yellow front number plate and updated graphics package.	Red	White/Red, Blue/White	Green	Orange	Orange