

2015 Freeride 250 R Highlights

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Positioning

The Freeride 250R is not just a new KTM motorcycle, it is defining a new segment of motorcycling, a new idea of what motorcycles can be and how they can be used.

The Freeride provides the rider with the capability to play ride in trials type terrain with the comfort of a real seat and the ergonomics for all day riding. The Freeride 250R gives the rider confidence to navigate technical terrain that would not be possible with a traditional Enduro bike.

Freeriding isn't about proving anything to anyone, it is about enjoying the ride and the offroad motorcycling experience. With Freeride, the terrain doesn't dictate the path – the rider decides where to ride and how to get there.

250 ENGINE

- based on the engine of the 250 XC-W
- reduced weight by 4.4 lbs!
- high output electric starter powered by a lightweight lithium ion battery
- fuel-oil mixture ratio lowered down to 80:1
- no kickstarter & power valve
- new crank case & clutch cover
- new water pump shaft
- 2.2 lbs savings



CYLINDER & PISTON

- New cylinder head and combustion chamber designed for the Freeride 250 R
- New cylinder design with no exhaust control system along with a new piston design, adjusted ports and timing all provide a more trials engine style torque and snappy engine characteristics



CARBURATOR & IGNITION

- New 28 mm Keihin PWK
- Extremely smooth power delivery
- Low fuel consumption
- Oil/fuel-mixture reduced to 80:1 (premix)



Two available ignition curves

1. STANDARD
2. TRACTIOIN = softer ignition curve for better traction

GEAR BOX –

- New 6-speed gear box
- Shorter gear ratios than that of the 250 XC-W in the lower 5 gears
- Extra tall 6th gear: 13:32 16:30 16:24 23:28 23:23 26:20 - 12:46 final drive

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CLUTCH

- New, un-dampened Coil Spring Steel (CSS) clutch Wear-free steel basket
- Newly developed clutch package & softer clutch springs
- Master cylinder by Formula



RADIATOR

- Well integrated lightweight single-radiator fitted with radiator fan
- Newly developed thermostat switch for excellent reliability



FUEL TANK & AIR FILTER



Light weight polyethylene design allows the rider to see the fuel level

- » _Fuel capacity of 1.9 gallons (7L)
- » _TwinAir air filter cartridge located at the rear of the fuel tank where it is well protected & easily accessible
- » _The seat is tipped up to access the fuel fill and air filter

FRAME



- The perimeter steel and bolt on forged aluminum composite frame was specifically designed for the 2-stroke engine and the Freeride concept
- High strength polyamide/ABS plastic composite subframe is a light weight solution with high rigidity
- Extremely lightweight, large amount of steering lock and excellent ground clearance – 15 inches (380 mm)

SWINGARM



- Extremely lightweight weighing in at only 7 lbs!!!
- Specifically designed for the Freeride to provide additional flexibility in the direction of the swing, at the same time, it contributes significantly to the FREERIDE 250 R's stability with its high torsional rigidity

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WP SUSPENSION

- WP suspension provides excellent response and damping, as well as providing the Freeride 250 R with outstanding stability.
- Fully adjustable 43mm WP-USD fork 250mm of travel along with the PDS monoshock with a progressive spring and 260mm of travel
- CNC machined triple clamp with 20mm off-set matches the chassis rigidity with precise clamping
- Lightweight aluminum tapered handlebar with 4-position adjustable aluminum handlebar mounts



METER



- Speedometer from Trail Tech with standard enduro functions + integrated indicator lamp

FOOTPEGS

- Lightweight, extra wide, precision cast foot pegs ensure excellent contact to the bike
- Thanks to their eccentric brackets, their position can be moved by 8mm to the rear simply by reversing them. Besides the ergonomic fine-tuning, this allows the rider to significantly influence the traction and cornering behavior of the bike with a corresponding riding technique



DETAILS

- R-type in-mold graphics
- Extremely slim seat and spoiler lines for freedom of movement and lightweight feeling
- Seat height – 36 inches (915 mm)
- Headlight and competition rear light
- 201.8 pounds with all fluids except fuel



BRAKES

- Formula brakes feature front and rear radially mounted calipers
- Four piston front and two piston rear calipers work perfectly with the lightweight wave brake discs (260/210mm), ensuring optimum braking performance combined with an outstanding brake feel.



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2015 Freeride 250 R Specifications

Engine	
Engine Type	Single Cylinder, 2-stroke
Displacement	249 cc
Bore/ Stroke	66.4/72 mm
Starter/ Battery	Electric-starter / 12V 24Wh
Transmission	6 Gears
Carburetor/Fuel Management	Keihin PWK 28 Carburetor
Lubrication	Mixture oil lubrication 1:80
Gear Ratios	13:32 16:30 16:24 23:28 23:23 26:20
Primary Ratio	26:72
Final Drive	12:46
Cooling	Liquid Cooling
Clutch	Wet Multi-Disc CSS-Clutch, Formula Hydraulics
Ignition	Kokusan-E

Chassis	
Frame	Perimeter Steel-Aluminum Composite
Subframe	High-strength Polyamide / ABS plastic
Handlebar	Aluminium Ø 28/22 mm
Front Suspension	WP-USD, Closed Cartridge
Rear Suspension	WP-PDS
Suspension Travel Front/Rear	250 mm (9.84 in) / 260 mm (10.24 in)
Front/Rear Brakes	Disc Brakes 210/260 mm / 8.27/10.24"
Front/Rear Rims	1.60 x 21" / 2.15 x 18"
Front/Rear Tires	Maxxis TrialMaxx 2.75-21"; 4.00-18"
Chain	X Ring 5/8 x 1/4"
Silencer	Aluminum
Steering Head Angle	67°
Triple Clamp Offset	20mm
Wheel Base	1,418 ± 10 mm (55.83 ± 0.39 in)
Ground Clearance	380 mm / 14.96 in
Seat Height	915 mm / 36.02 in
Tank Capacity, Approx.	1.85 U.S. gal
Weight Without Fuel, Approx.	201.7 lbs (without fuel)