



450-class torque, 250-class agility

The latest WR450F from Yamaha comes with a wide range of advanced engine and chassis technology that's designed to deliver winning performance on the track and all-round versatility on the trail. At the heart of this remarkably capable enduro bike is a gutsy and reliable 450cc 5-valve engine which is renowned for its strong and useable power. And for 2012 we've equipped this legendary powerplant with an advanced fuel injection system for even more stable and responsive performance. The chassis also gets a serious upgrade, and the latest WR450F now runs with a compact 250-class bilateral beam frame for quicker turning and enhanced agility.

- High torque 449cc liquid-cooled 5-valve engine
- New fuel injection system for linear performance
- Power Tuner available for easy engine tuning
- Compact new aluminium bilateral beam frame
- 450-class power with 250-class agility
- Lower 960mm seat height for improved useability
- New-look cowl and redesigned sidecovers
- New black Excel rims and Pro Taper handlebars
- Tough resin engine guard
- Fuel level warning light
- Competition kit parts available as optional extra



***Sometimes you can
have it all.***

Just imagine what it would be like to have 450-class engine performance combined with 250-class handling agility. It may seem like an impossible dream. But Yamaha's engineers set out to make it a reality. So we built a new kind of enduro bike that combines the best of both worlds. Now featuring a new fuel injection system, the high-torque 5-valve 450cc engine pushes out a wave of linear performance that gives this remarkable bike the ability to go fast without feeling you're on the edge. And with its compact 250-class dimensions, the new short-wheelbase aluminium bilateral beam frame delivers precision steering with remarkable agility.





Liquid-cooled, 4-stroke, single-cylinder, 5-valve, 449cc engine

In the enduro and trail world the WR450F's liquid-cooled 4-stroke engine has achieved legendary status for its durability and reliability. With its 5-valve cylinder head and new fuel injection system, this powerplant pushes out strong, useable and linear performance hour after hour.



New Fuel Injection system

The WR450F benefits from a compact new fuel injection system which makes for enhanced engine performance. By monitoring sensors which detect throttle position, intake temperature, air pressure, crank rpm and coolant temperature, the ECU is able to constantly adjust fuel volume and ignition timing to achieve optimal engine efficiency.



Yamaha Competition Kit

An optional Competition Kit is available which is aimed at riders who use the WR450F on closed courses. The kit includes a resonator exhaust system, as well as a 13/50 sprocket set and number of other performance parts. There's also an optional Power Tuner system which allows riders to adjust the engine performance to suit varying conditions.



New all-aluminium bilateral beam frame

Unlike some conventional designs, the WR450F's new bilateral beam frame is manufactured from a unique combination of forged, extruded and panel aluminium parts which are welded together to create a unit offering an idealised balance of rigidity. This gives excellent rider feedback combined with superior handling performance.



250-class dimensions

The new lightweight chassis has been developed directly from Yamaha's MXGP-winning YZ250F. Featuring a short 1,475mm wheelbase and compact dimensions, this new 250-class design gives quicker turning and improved agility – and its special bilateral design allows the relocation of the fuel tank and radiators for a greater centralisation of mass.



Advanced chassis specification

With its new fuel injected engine and compact chassis, the WR450F adds an exciting new dimension to the E2 class. Complementing the new bilateral beam frame is a slimline 7.2 litre fuel tank with YZF-type sidepanels, as well as a lower 960mm high seat. And with black Excel wheel rims and Pro-Taper handlebars, the WR450F is ready for action.

Engine	
Engine type	liquid-cooled, 4-stroke, DOHC, 5-valves
Displacement	449cc
Bore x stroke	95.0 mm x 63.4 mm
Compression ratio	12.3 : 1
Lubrication system	Dry sump
Carburettor	Fuel Injection
Clutch Type	Wet, Multiple Disc
Ignition system	CDI
Starter system	Electric and kick
Transmission system	Constant Mesh, 5-speed
Final transmission	Chain

Chassis	
Frame	Aluminium Bilateral Beam
Front suspension system	Upside-down telescopic fork
Front Travel	300 mm
Caster Angle	27°
Trail	115 mm
Rear suspension system	Swingarm, (link suspension)
Rear Travel	305 mm
Front brake	Hydraulic single disc, Ø 250 mm
Rear brake	Single Disc, Ø 245 mm
Front tyre	80/100-21 51P
Rear tyre	120/90-18 65P

Dimensions	
Overall length	2,315 mm
Overall width	825 mm
Overall height	1,275 mm
Seat height	960 mm
Wheel base	1,475 mm
Minimum ground clearance	335 mm
Wet weight (including full oil and fuel tank)	129 kg
Fuel tank capacity	7.2 litres
Oil tank capacity	1.2 litres

 Racing Blue



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Besides functional and style accessories, Yamaha offers a range of high quality, innovative riding gear designed to keep you comfortable and protected. An extensive range of casual wear is also available. For more information go to:

www.yamaha-motor.co.uk/accessories



Always wear a helmet, eye protection and protective clothing. Yamaha encourage you to ride safely and respect fellow riders and the environment. Specifications and appearance of Yamaha products shown here are subject to change without notice and may vary according to requirements and conditions. For further details, please consult your Yamaha dealer. Please check availability of colours with your local Yamaha dealer.

Images show the WR450F fitted with the optional Competition Kit parts, only to be used on closed track.

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Free Yamaha Assist