



## The bike for all reasons

Designed using the most advanced race-bred technology, the all-new WR450F is a genuine multi-role enduro bike that is always ready to give you more – whether you're racing, training or having fun.

Featuring a sophisticated reverse cylinder head, the high torque 450cc 4-valve engine produces a wide spread of power that gives serious competitors the performance they need to win on a race day. And with its engine running modes, simply flick a switch when you want to turn this full-on racer into an easy to ride trail bike.

Its all-new beam frame and slimline bodywork give you lightweight agility in the toughest environment, and with its state of the art suspension, the WR450F can run harder, faster and smoother than before.



- All-new 450cc engine with optimized settings
- CCU that enables the Power Tuner app
- New handlebar mounted switch adjusts engine mode
- New YZ450F-based lightweight bilateral beam frame
- Revised KYB® suspension for stable & smooth ride
- Slim, mass-centralized 7.9 litre fuel tank
- New light, slim and sharp body & headlight design
- Tough new skidplate and new speed sensor
- New shrouds and easy-access air filter box design
- Durable new clutch, 5-speed wide-ratio gearbox
- New narrow, lower and more accessible seat

## The bike for all reasons

Yamaha's WR-F enduro bikes are proving their winning potential in everything from Enduro GP and Enduro 2 through to Cross Country Rallies and the legendary Dakar – the toughest test there can be for any enduro bike.

Featuring a powerful new engine together with an agile new chassis and slimline bodywork developed from the YZ450F, the all-new WR450F gives you race winning performance with class leading versatility and legendary reliability.

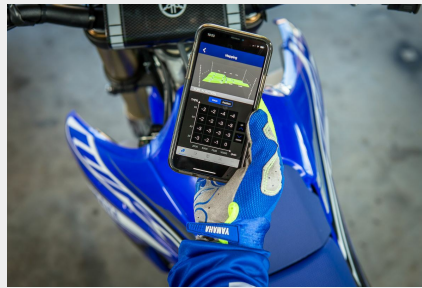
Its wide power delivery can be tuned via onboard WiFi with the Power Tuner app – and with a slim and agile chassis, the 2019 WR450F is the smartest and most complete enduro bike in any environment. From enduro through to rally, trail or recreational riding, this is the bike for all reasons.





## All-new 450cc engine

For 2019 the WR450F benefits from an all-new reverse head engine that's designed to give you an even wider spread of smoother and more controllable power. New camshafts, cylinder head and piston give a higher compression ratio for increased performance, and revised fuel injection settings and new ignition mapping gives you improved control in technical terrain.



## New Power Tuner app

Yamaha's Power Tuner app allows you to adapt your WR450F's engine character and performance to suit different riding conditions – and you can also access engine data. Using your smartphone with the Communication Control Unit (CCU), it's easy to adjust the air-fuel mixture and ignition timing to achieve optimum performance.



## New adjustable engine modes

When you're riding in the dirt you've got to be prepared to encounter constantly changing surface conditions as well as extreme weather. With the new switchable engine modes you can now select the appropriate power delivery using the handlebar mounted switch, enabling you to take control and everything from slow, technical terrain through to high-speed tracks.



## New YZ450F-based lightweight beam frame

The all-new frame is slimmer and lighter, making it feel much more agile through twisty, rocky and technical terrain. The aluminium bilateral beam frame is constructed with optimized levels of rigidity, giving much lighter handling together with accurate surface feedback – enabling you to maintain higher levels of control over bumps and on slippery surfaces.



## Revised KYB® front and rear suspension

Featuring new internals with longer high-rate springs, the industry-leading Air-Oil-Separate front forks provide stable damping characteristics over all types of terrain. For 2019 the rear shock is fitted with a lighter spring and the reservoir capacity is increased by 30cc to ensure more effective rear damping for increased stability.



## Slim, mass-centralized 7.9 litre tank

For increased riding time between refills, the new WR450F is equipped with a larger 7.9 litre fuel tank featuring a compact fuel pump. The increased capacity has been achieved by extending the tank's lower section towards the centre of the bike – a move that improves mass centralization and ensures a slim and compact body design.

## Engine

Engine type	Liquid-cooled; 4-stroke; 4-valves; DOHC
Displacement	450cc
Bore x stroke	97.0 mm x 60.9 mm
Compression ratio	12.8 : 1
Lubrication system	Wet sump
Clutch Type	Wet; Multiple Disc
Ignition system	TCI
Starter system	Electric
Transmission system	Constant Mesh; 5-speed
Final transmission	Chain
Carburettor	Fuel Injection
Maximum power	-
Maximum Torque	-

## Chassis

Frame	Semi double cradle
Front suspension system	Telescopic forks
Front travel	310 mm
Rear suspension system	Swingarm; link suspension
Rear Travel	318 mm
Front brake	Hydraulic single disc, Ø270 mm
Rear brake	Hydraulic single disc, Ø245 mm
Front tyre	90/90-21 54M+S
Rear tyre	130/90-18 69S+M
Caster Angle	27°10
Trail	116mm

## Dimensions

Overall length	2,175 mm
Overall width	825 mm
Overall height	1,270 mm
Seat height	955 mm
Wheel base	1,480 mm
Minimum ground clearance	320 mm
Wet weight (including full oil and fuel tank)	119 kg
Fuel tank capacity	7.9litres
Oil tank capacity	0.90litres



# WR450F

The 2019 WR450F and WR250F will be only be available in race specification, without EU4 homologation, for usage on closed circuits, private areas and specific events where participation with non-registered vehicles is allowed.