



## The bike for all reasons.

Designed using the most advanced race-bred technology, the agile 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 choice of engine running modes, simply flick a switch when you want to turn this full-on racer into an easy to ride trail bike.

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



- Powerful 450cc engine with optimised settings
- CCU that enables the Power Tuner app
- Handlebar mounted switch adjusts engine mode
- Lightweight, aluminium bilateral beam frame
- KYB® suspension for stable & smooth ride
- Slim, mass-centralised 7.9 litre fuel tank
- Light, slim and sharp body & headlight design
- Tough skidplate and lightweight speed sensor
- Easy-access air filter box design
- Durable clutch, 5-speed wide-ratio gearbox
- Narrow, low and easy-access seat

## The bike for all reasons.

Yamaha's WR-F enduro bikes have demonstrated their outstanding performance 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 off road competition motorcycle.

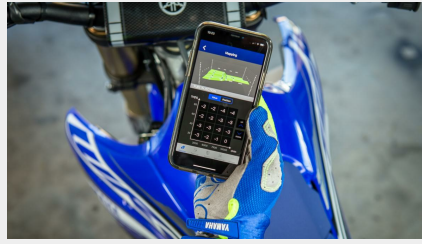
Featuring a powerful engine producing strong, linear torque – and equipped with a compact aluminium chassis and slimline bodywork developed from the YZ450F – the agile WR450F gives you race-winning performance with class-leading versatility and legendary reliability.

Its wide power delivery can be quickly and easily tuned to suit different conditions via onboard WiFi using the Power Tuner app – and with its responsive handling and industry-leading suspension systems, the WR450F has got to be one of the smartest and most complete enduro bikes in any environment.



## Powerful 450cc engine

The 450cc engine's special combination of a front-facing inlet together with a high compression piston, racing camshafts and a 4-valve head deliver strong, linear torque for race-winning performance – while the enduro-specific fuel injection settings and ignition mapping give you improved control in technical terrain.



## 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 running data and record race log information. 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.



## Adjustable engine modes

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



## Lightweight aluminium frame

The bilateral beam frame is both slim and light, making it feel very agile through twisty, rocky and technical terrain. The aluminium frame is constructed with optimised levels of rigidity, giving light handling together with accurate surface feedback – enabling you to maintain high levels of control over bumps and on loose or slippery surfaces.



## Industry-leading suspension

Featuring internals with long high-rate springs, the industry-leading Air-Oil-Separate front forks provide stable damping characteristics over all types of terrain. For consistent rear damping and increased stability, the rear shock is fitted with a light spring and a large capacity reservoir.



## Slim, mass-centralised 7.9 litre tank

You want high fuel capacity as well as slim bodywork. So Yamaha's designers placed the fuel tank low in the chassis to improve mass centralisation – and installed a compact fuel pump to save space. This way you get a 7.9-litre tank for maximum riding time between refills, together with ergonomic bodywork that enables easy manoeuvrability with optimum riding comfort.

## Engine

|                     |   |
|---------------------|---|
| Engine type         | Liquid-cooled; 4-stroke; 4-valves; DOHC |
| Displacement        | 449cc                                   |
| Bore x stroke       | 97.0 mm x 60.8 mm                       |
| Compression ratio   | 12.5 : 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                                   |
| Fuel system         | 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                   |
| Rear tyre               | 130/90-18 69S+M                |
| Caster angle            | 26°20                          |
| Trail                   | 114mm                          |

## Dimensions

|   |            |
|---|------------|
| Overall length                                | 2,165 mm   |
| Overall width                                 | 825 mm     |
| Overall height                                | 1,280 mm   |
| Seat height                                   | 965 mm     |
| Wheel base                                    | 1,465 mm   |
| Minimum ground clearance                      | 325 mm     |
| Wet weight (including full oil and fuel tank) | 120 kg     |
| Fuel tank capacity                            | 7.5litres  |
| Oil tank capacity                             | 0.95litres |

The 2020 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. Always wear a helmet, eye protection and protective clothing. Yamaha encourages you to ride safely and respect fellow riders and the environment. Images displayed may depict a professional rider performing under controlled conditions or on a closed circuit. The unit displayed on the images may be equipped with genuine Yamaha accessories and/or non-Yamaha branded accessories which may be for closed-circuit use only. All information is given for general guidance. Specifications and appearance of Yamaha products, Yamaha accessories and non-Yamaha branded accessories are subject to change without prior notice. Non-Yamaha branded accessories are fully developed and produced by respected third parties. Yamaha does not guarantee the availability of the displayed products and accessories in local markets. The product and accessories range may be limited in some countries. Yamaha has the right to discontinue products and accessories without prior notice. Where applicable, prices of Yamaha products and accessories may vary according to local requirements and conditions. No rights can be obtained from this information. For further details and availability, please contact your local Yamaha dealer.