

WR450F

Motocross thrills. Enduro versatility.

The WR450F benefits from the engine and chassis technology developed from the race winning YZ450F. The combination of a thrilling engine and lightweight chassis with compact bodywork make this the best-ever 450cc Yamaha enduro bike with the highest degree of controllability in a wide range of situations.

Its lightweight aluminium chassis results in a low centre of gravity that ensures agile handling and faster cornering – giving you the advantage in all conditions. The optimised rider triangle means that you can shift your body position more easily to maintain peak control – and the best-in-class KYB suspension comes with varied settings for better terrain following and increased traction.



- Class leading YZ450F-based engine
- Higher efficiency air intake
- Enduro specific disc spring clutch
- Lightweight wide-ratio 5-speed transmission
- Compact aluminium chassis
- Slimmer and more compact bodywork
- Uprated KYB suspension
- Renewed Power Tuner App
- Optimised ergonomics
- Full enduro-ready specification
- New Icon Blue colours and graphics

The WR450F's Power Tuner app leads the way in rider control electronics: it now manages an industry-first anti-theft ECU lock system, unlockable only by the owners' password. It's also easier and quicker than ever to adjust engine power characteristics to match terrain, weather, and riding styles with few screen taps.

Born to Ride

The WR450F gives you absolute control for ultimate performance on all types of fast, slippery and technical terrain. Equipped with Yamaha's potent 450cc engine and a compact aluminium chassis developed from the MXGP race-winning YZ450F, plus an industry-first anti-theft ECU lock system – the cutting-edge WR450F puts you in charge.

Producing high levels of strong and linear power, the 450cc reverse-head engine is lighter and faster than ever. The enduro-specific ECU and 5-speed wide ratio transmission deliver increased performance and traction over a wide speed range – while the Power Tuner app makes it easier to select the right mapping for total control in widely varying track and weather conditions.

Equipped with a lightweight aluminium chassis, the WR450F feels more compact and agile than ever. Super-slim seamless bodywork and a flat seat equipped with a new grippier textured surface enhance stability under hard acceleration – while best-in-class KYB suspension offers exceptional cornering performance.

WR450F



Class leading YZ450F-based engine

Sometimes, there's no substitute for power. The next generation 450cc 4-stroke reverse-head engine is the strongest and most advanced design ever used on a Yamaha enduro bike. Its front-facing inlet, rear slanted cylinder help to deliver more power at all rpm, giving you confidence that you can leave the opposition behind.



Higher efficiency air intake

The WR450F's front facing intake is a unique design that enables the 450cc engine to run at peak efficiency at all rpm. A straight intake port runs directly to the 39mm inlet valves, giving instant throttle response for immediate acceleration when you need it.



Enduro specific disc spring clutch

To handle the increased power of the latest generation 450cc engine Yamaha's engineers have developed a durable and compact one-piece steel clutch with a disc spring that minimizes engine weight and keeps engine width to a minimum. Featuring an optimized enduro-specific design, this durable clutch gives a light pull with plenty of feel – and is designed to handle the extreme conditions of enduro riding.



Lightweight wide ratio 5-speed transmission

To match the most challenging enduro conditions, the WR450F runs with a optimised 5-speed wide ratio gearbox. Featuring gears with increased strength, this durable transmission is ideal for both technical as well as high speed sections.



Compact aluminium chassis

The WR450F's aluminium chassis is developed from the YZ450F that has an outstanding race winning record in MXGP and Supercross. The rigidity of the dual tank rails is optimised to give a controlled level of flex for improved shock absorption. And the WR450F is equipped with enduro-specific engine mounts that give optimum chassis rigidity for improved feel and feedback.



Slimmer and more compact bodywork

Slim, compact, ready to conquer. The WR450F's narrow bodywork shrouds and mid-section offer freedom to move in all riding positions, while the flat seat features a new textured surface for optimum grip under hard acceleration and aggressive cornering.

YAMAHA
Revs Your Heart

WR450F

Engine	
Engine type	4-valves; 4-stroke; Liquid-cooled; DOHC; Single cylinder
Displacement	450cc
Bore x stroke	97,0 x 60,8 mm
Compression ratio	13,0 : 1
Lubrication system	Dry sump
Clutch Type	Wet; Multiple Disc
Ignition system	TCI
Starter system	Electric
Transmission system	5-speed; Constant Mesh
Final transmission	Chain
Carburettor	Fuel Injection

Chassis	
Frame	Semi double cradle
Front suspension system	Telescopic fork
Front travel	300 mm
Rear suspension system	(Link type suspension); Swingarm
Rear Travel	306 mm
Front brake	Hydraulic single disc, Ø270 mm
Rear brake	Hydraulic single disc, Ø240 mm
Front tyre	90/90-21 54R Tube type
Rear tyre	140/80-18 70R Tube type
Caster Angle	27°00
Trail	121 mm

Dimensions	
Overall length	2.170 mm
Overall width	825 mm
Overall height	1.265 mm
Seat height	955 mm
Wheel base	1.470 mm
Minimum ground clearance	330 mm
Wet weight (including full oil and fuel tank)	117 kg
Fuel tank capacity	7,4 L
Oil tank capacity	1,2 L

Always wear a helmet, eye protection and protective clothing. Yamaha encourage you to ride safely and respect fellow riders and the environment. Images shown depict professional riders performing under controlled conditions. Specifications and appearance of Yamaha products as shown here are subject to change without notice and may vary according to requirements and conditions. For further details, please consult your Yamaha dealer.