



A revolutionary machine made for supreme cornering.

Races are won and lost in the corners, so the YZ450F has been designed to corner better than ever before, letting you turn in sooner, get on the throttle quicker and stay on it for longer.

The YZ450F features a revolutionary fuel injected, liquid-cooled, 4-stroke, 4-valve, DOHC, rearward-slanting single cylinder engine and an advanced Bilateral Beam aluminium frame with components distributed for a perfect mass-centralisation and class-leading handling.

The high-capacity, long-stroke suspension system helps smooth over the bumps, while keeping you in contact with the road surface. The YZ450F is the biggest advantage an off-road racer can have. Now it's up to you to do the rest.

- Rearward-slanting, 450cc, 4-valve engine
- Aluminium Bilateral Beam frame
- Ergonomic design for easier riding
- Fuel injection for optimum air-fuel ratios
- Rigid rear wheel spokes
- YZ Power Tuner (optional accessory)
- Mass centralised for great cornering



Engineered to win.

When you're 100 per cent serious about winning in the dirt, the choice is clear: your future is with Yamaha. That's because we have been building some of the world's most successful off-road racing bikes for nearly 40 years.

Yamaha's YZ racing models offer the most competitive engine and chassis packages, plus class-leading technologies and legendary build quality.

Our off-road success story didn't just happen by chance. Yamaha's long list of World and National Championships in motocross and enduro is the result of many years of commitment and devotion by our engineers and factory riders. Indeed, the will to win is an integral part of Yamaha's DNA.





Revolutionary engine

The new 450cc, liquid-cooled, 4-stroke, 4-valve rearward-slanting engine brings incredible intake efficiency and better mass centralization by swapping the fuel intake and exhaust. This gives a straight fuel intake for more efficient cylinder filling, and helps centre the bike's mass for brilliant cornering.



Bilateral Beam aluminium frame

Different types of aluminium are used on different parts of the frame, for the best balance of strength and rigidity. Because it's formed so precisely, the frame has great rigidity, and sideways shock is smoothly converted into up-down shock that is absorbed by the suspension. For you, this means a light, strong frame that handles and corners wonderfully.



Fuel injection

The YZ450F's fuel injection automatically adjusts to give the best possible combustion under changing conditions. A throttle position sensor (TPS) and sensors for the intake pressure, intake air temperature, air pressure, crankshaft rpm and coolant temperature constantly monitor how the engine is running and make adjustments accordingly.



The YZ Power Tuner (optional)

The YZ Power Tuner lets you set the power development characteristics of your bike without using a laptop. It could be a richer fuel/air ratio at low rpms for strong traction in mud or a lean mixture in the high-speed range so it revs lightly, or whatever you feel you need. It's easy to use with a simple interface and easy-to-set 3D programme maps.



Rigid, black rimmed, rear wheel spokes

The YZ450F's rear wheel spokes are of the right angle and length to offer a suitable level of 'forgiveness' in the back wheel for improved riding feel, and enhanced traction in any conditions. The large-diameter 25 mm rear axle is bigger than most competitor bikes, and gives great rigidity balance for extra confidence.



Aggressive styling

The elegance of the YZ450F's mechanics has been emphasised by keeping the body as bare as possible with minimal plastic body parts. Those that remain are sleekly styled - a fishtail rear fender gives the image of a departing motorcycle, and the front fender has a darting-forward shape. In the garage or on the track, this is a great-looking bike.

ENGINE	
Type	Liquid cooled 4-stroke, DOHC, 4-valve, rearward slanting single cylinder
Displacement	449.7cc
Bore and stroke	97.0 x 60.8mm
Compression ratio	12.5 : 1
Max. Power	40.8 kW (55.5 PS) @ 9,000 rpm
Max. Torque	47.1 Nm (4.8 kg-m) @ 7,000 rpm
Lubrication	Dry sump
Carburettor	Fuel Injection
Clutch type	Wet multiple-disc
Ignition	Full Transistor
Starter system	Kick
Transmission	Constant mesh, 5-speed
Final transmission	Gear
CHASSIS	
Frame	Bilateral Beam frame
Front suspension	Telescopic fork
Front wheel travel	310 mm
Rear suspension	Swingarm (link suspension)
Rear wheel travel	312 mm

Front brake	Hydraulic single disc brake, Ø 250 mm
Rear brake	Hydraulic single disc brake, Ø 245 mm
Front tyre	80/100-21 51M
Rear tyre	110/90-19 62M
DIMENSIONS	
Overall length	2,191 mm
Overall width	825 mm
Overall height	1,311 mm
Seat height	999 mm
Wheelbase	1,487 mm
Min. ground clearance	383 mm
Wet weight (including full oil and fuel tank)	111.9 kg
Fuel tank capacity	6.0 litres
Oil tank capacity	1.2 litres



The winning combination

With Yamaha ownership, the excitement doesn't stop with your bike. To complete the picture we highly recommend genuine Yamaha Parts and Accessories.

We've developed a range of high quality, innovative riding gear, clothing and bolt-on accessories designed to offer enhanced performance and protection for you and your Yamaha. And bearing the Yamaha name, you're assured of quality, reliability and winning performance.

Yamalube® is our own range of high-tech lubricants. The lifeblood of Yamaha Engines, they are designed to carry on working effectively, no matter where you ride.

www.yamaha-motor-acc.com



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.