

YZ450F

Perfection refined: YZ450F

Feeling the power, and having absolute control over it is vital in racing. The YZ450F's new engine further improves the bike's strong and linear power with ease of use in low to mid-range and greater feeling of power at the top of the range, while the new hydraulic clutch has lighter operation and gives you better feel for the meshing point. The new machine also maintains key features, such as the unique reverse-head layout, 39mm titanium intake valves, forged aluminium piston, plain bearing at large end and dry sump.

The YZ450F's new chassis setup maintains the excellent stability and cornering performance that the bike is already famous for, and adds to that a smoother ride, greater feel for traction and a more planted feel over varied terrain through a new frame and updates to suspension.



- New engine with greater flexibility
- New frame for better control and comfort
- Lighter and smoother hydraulic clutch
- Reduced noise levels
- Stable and smooth over bumps
- Revised suspension settings
- New styling
- ECU lock anti-theft device
- New anti-slide seat
- Power Tuner App for easy tuning

To give you the advantage of the competition, Yamaha makes it possible to customise the YZ450F's engine and chassis performance to suit different riding conditions through the Power Tuner app, without you even opening your toolbox. And to protect your bike when you're not riding, the new ECU lock prevents the engine from starting until you enter your password in your phone.

For winners, by winners.

Whatever level you race, the YZ450F has the firepower to see you win. The new engine delivers the same race-winning power as before, but now with greater ease of use in low to mid-range and greater feeling of power at the top of the range. The new exhaust system meets the latest noise regulations, and the new hydraulic clutch gives better feel for the meshing point and lighter operation.

When the starting point is already so high, making improvements becomes harder. The YZ450F already had a highly praised chassis setup, but the new model introduces a new frame and updates to suspension to ensure a smoother ride, greater feel for traction and a more planted feel over varied terrain, while maintaining the excellent stability and cornering performance. The seat cover features new material to stop the rider sliding back on acceleration, helping you maintain control and keep your focus on winning.

Winning races takes more than just old school tuning – the YZ450F is at the forefront of technology to give you the best advantage on track. The easy-to -use Power Tuner app enables you to make quick trackside adjustments to the engine character and traction control settings to match the conditions, and keep you ahead of the pack. The new ECU lock makes it easy to protect your bike when you're not riding by preventing the engine from starting until you enter your password in your phone, keeping your pride and joy safe.

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New engine with greater flexibility

The intake system has been revised by changing the intake port and wall surface shapes to achieve optimum flow with a smaller cross-section, and create a vertical vortex in the combustion chamber. This increases combustion efficiency in the low- to mid-rpm range, while maintaining the power higher in the range.



New frame for better control and comfort

The new frame features redesigned inner structure and thickness of the downtubes as well as bilateral asymmetric engine mounts to adjust the frame's torsional behaviour. This reduces rigidity in response to upward thrusts, while maintaining the same levels of longitudinal, lateral and tortional rigidity. This achieves calmer and highly stable front-end feeling, improved chassis balance and contact feeling, better stability in ruts and braking pumps, and less weight transfer.



Better feel with hydraulic clutch

New hydraulic clutch replaces the previous wire-operated one to offer a more stable performance and keeping the meshing point constant during continued riding. It provides better feel for the meshing point, smoother clutch feathering action and lighter operation.



Keeping the noise down

The 2026 YZ450F exhaust has been made quieter with a centrally positioned resonator and tuning changes, while the muffler's attachment angle has been lowered slightly to create more space to allow easier pick up at the rear fender. The air cleaner now features an added resonator and duct to reduce induction noise.



Smoother ride and better feel

The new YZ450F introduces a new frame with optimised rigidity to ensure a smoother ride, improved comfort and a more planted feel when riding over bumps and landing jumps. The bike still maintains the excellent stability and cornering performance it is famous for.



Revised suspension settings

Updates to suspension achieve greater feel for traction as well as stability. The rear shock has been newly developed with KYB with a smoother transition from slow- to high-speed damping. There is now also a hand-operated compression damping adjuster.

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YZ450F

Engine	
Engine type	4-stroke; Liquid-cooled; DOHC; 4-valves; Single cylinder
Displacement	450cc
Bore x stroke	97,0 × 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	Constant Mesh; 5-speed
Final transmission	Chain
Carburettor	Fuel Injection

Chassis	
Frame	Semi double cradle
Front suspension system	Telescopic fork
Front travel	310 mm
Rear suspension system	link suspension; Swingarm
Rear Travel	295 mm
Front brake	Hydraulic Single Disc, Ø270 mm
Rear brake	Hydraulic Single Disc, Ø240 mm
Front tyre	80/100-21 51M Tube type
Rear tyre	120/80-19 63M Tube type
Caster Angle	27°05'
Trail	121 mm

Dimensions	
Overall length	2.175 mm
Overall width	825 mm
Overall height	1.275 mm
Seat height	965 mm
Wheel base	1.475 mm
Minimum ground clearance	345 mm
Wet weight (including full oil and fuel tank)	110 kg
Fuel tank capacity	6,2 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.