



## Feel the power: YZ450F

Feeling the power, and having absolute control over it is vital in racing. The YZ450F's unique reverse-head layout, 39mm titanium intake valves, forged aluminium piston, plain bearing at large end and dry sump combine to produce strong and linear power with ease of use and great feeling across the rev range.

The YZ450F's chassis setup provides excellent stability and cornering performance with a smoother ride, great feel for traction and a planted feel over varied terrain. To help the rider maintain control, the seat cover material stops the rider sliding back on acceleration, making it even easier to focus on winning.



- Powerful engine with great flexibility
- Optimised frame for better control and comfort
- Excellent feel with hydraulic clutch
- Keeping the noise down
- Smooth ride with outstanding feel
- Sublime suspension
- YZ styling
- ECU lock anti-theft device
- Anti-slide seat
- Power Tuner App for easy tuning

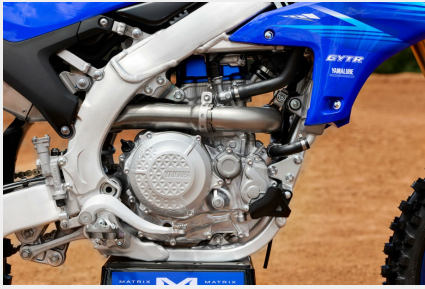
Yamaha has the technology to give you the edge over rivals. You can customise the YZ450F's engine and chassis performance for different riding conditions through the Power Tuner app, without you even opening your toolbox. And to protect your bike when you're not riding, the ECU lock prevents the engine 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 four-stroke engine delivers usable race-winning power across the rev range. The exhaust has the signature Yamaha sound while still meeting the latest noise regulations, and the hydraulic clutch is light to operate and gives excellent feel for the meshing point.

The YZ450F features a highly praised chassis setup. The suspension ensures a smooth ride with a great feel for traction and a planted feel over varied terrain, while maintaining the excellent stability and cornering performance. The seat cover features innovative 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.



## Powerful engine with great flexibility

The YZ450F features a unique reverse-head layout, 39mm titanium intake valves, forged aluminium piston, plain bearing at large end and dry sump. It achieves high combustion efficiency in the low- to mid-rpm range, with ample power higher in the range.



## Optimised frame for better control and comfort

The frame features optimised structure and material thickness to achieve ideal torsional behaviour. Rigidity is reduced in response to upward thrusts, while maintaining longitudinal, lateral and torsional rigidity. This results in calm and highly stable front-end feeling, excellent chassis balance and contact feeling, stability in ruts and braking pumps, and less weight transfer.



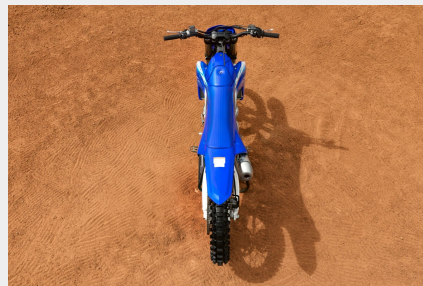
## Excellent feel with hydraulic clutch

The hydraulic clutch offers stable performance and keeps the meshing point constant during continued riding. It provides excellent feel for the meshing point, smooth clutch feathering action and light operation.



## Keeping the noise down

The YZ450F meets the latest noise regulations. Its exhaust features a centrally positioned resonator, while the air cleaner also houses a resonator and a duct to reduce induction noise. The muffler's attachment angle allows easy pick up at the rear fender.



## Smooth ride with outstanding feel

The YZ450F features a frame with optimised rigidity to ensure a smooth ride, great comfort and a planted feel when riding over bumps and landing jumps. The bike also achieves excellent stability and cornering performance.



## Sublime suspension

The YZ450F's suspension achieves great feel for traction as well as stability. The KYB rear shock is specifically developed for a smoother transition from slow- to high-speed damping. Adding to the versatility is the hand-operated compression damping adjuster.

## Engine

Engine type	4-stroke; Liquid-cooled; DOHC; 4-valves; Single cylinder
Displacement	450 cm <sup>3</sup>
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	Teleskoopkahvel
Front travel	310 mm
Rear suspension system	link suspension; Swingarm
Rear Travel	295 mm
Front brake	Hüdrauliline ühekordne ketas, Ø 270 mm
Rear brake	Hüdrauliline ühekordne ketas, Ø 240 mm
Front tyre	80/100-21 51M toru tüüp
Rear tyre	120/80-19 63M toru tüüp
Caster Angle	27°05'
Trail	121 mm

## Dimensions

Overall length	2175 mm
Overall width	825 mm
Overall height	1275 mm
Seat height	965 mm
Wheel base	1475 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