# YZ450F Monster Energy Yamaha Racing Edition



## Winning pedigree. Unstoppable performance.

Yamaha's commitment to pursuing ultimate performance has always been the driving force behind its success. The YZ450F Monster Energy Edition is the pinnacle of this development, with its power and handling gaining high praise from riders. With the striking race team looks, this is also the most desirable bike in the motocross paddock.

The YZ450F Monster Energy Edition's 450cc four-stroke engine is easy to use in low-to mid rpm range, but hits hard higher up the range. The optimised chassis setup ensures a smooth ride, great feel for traction and a planted feel over varied terrain.

The YZ450F Monster Energy Edition comes with its own built-in technician and security guard. The engine can be tuned to suit different riding conditions through the Power Tuner app, and the new ECU lock protects your bike when you're not riding. All you need is your phone.



- Monster Energy Edition looks
- 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

# YZ450F Monster Energy Yamaha Racing Edition

## For winners, by winners.

All racers want to ride a machine that gives them the edge over competition and the best chance of winning. The YZ450F Monster Energy Edition does exactly that with its race-winning power and sublime handling. With the Monster Energy race team looks, you'll look the part, too.

The YZ450F Monster Energy Edition doesn't just deliver race-winning power, it matches it with great feel. The optimised frame and high-end suspension ensure a smooth ride and excellent feel for traction. The machine feels planted and stable over varied terrain and sets the standard in cornering performance.

The YZ450F Monster Energy Edition features tech to set it apart from the pack on and off the track. With the Power Tuner app on your phone you can make quick trackside adjustments to the engine character and traction control settings, while the new phone-operated ECU lock keeps your bike safe when you're not riding.

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### Monster Energy Edition looks

The YZ450F Monster Energy Edition is inspired by the victorious Yamaha factory team machines, and features stunning Monster Energy colours and graphics.



### Powerful engine with great flexibility

The YZ450F Monster Energy Edition 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.



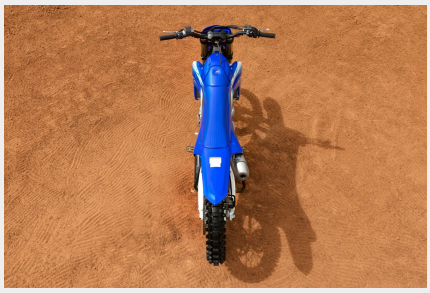
### Optimised frame for better control and comfort

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 tortional 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 Monster Energy Edition 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 Monster Energy Edition 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.

# YZ450F Monster Energy Yamaha Racing Edition

| Motore | |
|---|---|
| Motore | 4 tempi; Raffreddato a liquido; DOHC; 4 valvole; Monocilindrico |
| Cilindrata | 450 cc |
| Alesaggio x corsa | 97,0 × 60,8 mm |
| Rapporto di compressione | 13,0 : 1 |
| Lubrificazione | Carter secco |
| Frizione | in bagno d'olio; dischi multipli |
| Accensione | TCI |
| Avviamento | Elettrico |
| Trasmissione | Sempre in presa; 5 marce |
| Trasmissione finale | Catena |
| Alimentazione | Iniezione |

| Telaio | |
|---|---|
| Telaio | Semi-doppia culla |
| Sospensione anteriore | Forcella a steli rovesciati |
| Escursione anteriore | 310 mm |
| Sospensione posteriore | leveraggi progressivi; Forcellone |
| Escursione posteriore | 295 mm |
| Freno anteriore | Disco idraulico singolo, Ø 270 mm |
| Freno posteriore | Disco idraulico singolo, Ø 240 mm |
| Pneumatico anteriore | 80/100-21 51M a camera d'aria |
| Pneumatico posteriore | 120/80-19 63M a camera d'aria |
| Inclinazione canotto sterzo | 27°05' |
| Avancorsa | 121 mm |

| Dimensioni | |
|---|---|
| Lunghezza | 2.175 mm |
| Larghezza | 825 mm |
| Altezza | 1.275 mm |
| Altezza sella | 965 mm |
| Interasse | 1.475 mm |
| Altezza minima da terra | 345 mm |
| Peso in ordine di marcia (compresi serbatoi olio e carburante pieni) | 110 kg |
| Capacità serbatoio carburante | 6,2 litri |
| Quantità olio motore | 1,2 litri |