



YZ450F Monster Energy Yamaha Racing Edition



Maximum power with total control.

Conditions in motocross can change rapidly when the track cuts up or if the weather turns nasty. And it's at times like this that the Yamaha Power Tuner enables you to gain a real advantage by quickly adjusting your YZ450F Monster Energy Yamaha Racing Edition's power delivery, so that you can gain total control in varying conditions.

Whatever power setting you select, the YZ450F Monster Energy Yamaha Racing Edition's lightweight aluminium beam chassis is designed to deliver agile handling that enables you to push harder – and the revised suspension settings and lower unsprung weight give you increased stability for reduced lap times.



- Improved front and rear suspension settings
- New lightweight chassis components
- Ultra-compact high-tech 450cc engine
- Launch Control System
- Robust clutch and transmission
- Lightweight aluminium beam frame
- Mass-centralized wraparound exhaust
- Monster Energy Yamaha Racing Edition bodywork
- Easy-to-use Power Tuner app
- Handlebar-mounted 2-mode mapping switch



YZ450F Monster Energy Yamaha Racing Edition

Other smart technology at your fingertips includes an electronic Launch Control System that transmits power more effectively when the gate drops for holeshot-winning performance – and there's a handlebar-mounted mapping switch for on-the-fly adjustments. YZ450F Monster Energy Yamaha Racing Edition: Maximum power, factory style, total control.

Get there. Start here.

With its MXGP race-winning technology, exclusive black colour scheme and factory-style graphics, the YZ450F Monster Energy Yamaha Racing Edition has got to be at the top of every rider's wish list. And when you're aiming for the top, this is the right place to start.

Equipped with an advanced reversed head engine and lightweight aluminium chassis, as well as optimized power output from the Launch Control System, the YZ450F Monster Energy Yamaha Racing Edition delivers the ideal balance of performance and rigidity – for precise handling and agile cornering.

Further refinements include revised low speed damping settings on the class-leading suspension for even better stability – as well as a lighter rear hub and new chain that reduce unsprung weight. And with its reduced weight combined with strong power and precise handling – and the easy-to-use Yamaha Power Tuner app – the YZ450F Monster Energy Yamaha Racing Edition delivers all the outstanding performance you need. So when you're aiming for the big time, this is where it all begins.



YZ450F Monster Energy Yamaha Racing Edition



Monster Energy Yamaha Racing Edition bodywork

Parked in the paddock or racing hard on the track, the YZ450F Monster Energy Yamaha Racing Edition has got to be one of the most desirable motocross bikes available. Finished in exclusive black body colour and featuring factory-style in-mould graphics, this bike is ready to grab all of the attention.



Improved suspension settings

Yamaha's suspension is one of the best standard set-ups fitted to a production bike, and for 2022 the high-spec SSS (Speed Sensitive System) front forks and the tried and tested monocross rear suspension feature revised low speed damping settings for better handling and excellent feedback.



New lightweight chassis components

Any reduction to unsprung weight makes a significant improvement in suspension performance, and the 2022 YZ450F Monster Energy Yamaha Racing Edition is fitted with a new lightweight rear hub as well as a lighter chain that shave 0.2kg off the weight.



Ultra-compact high-tech 450cc engine

The YZ450F Monster Energy Yamaha Racing Edition's reverse head 450cc engine is a proven MXGP race winner that has the performance to take the top step of the podium against the world's best. The front facing inlet ensures optimum intake efficiency, and its compact dimensions help to centralize mass for sharper handling.



Launch Control System

The Launch Control System (LCS) on the YZ450F Monster Energy Yamaha Racing Edition optimizes the engine's power output and running characteristics during the first few seconds of the race after the gate drops. By helping to transmit power more efficiently, the LCS gives you greater controllability off the starting line and increases your holeshot-winning performance over and over again.



Robust clutch and transmission

The robust 5-speed transmission benefits from specially-developed gears with a large surface area – and together with a heavy-duty clutch this delivers high levels of durability. While for a positive feel when shifting gear, the shift drum and selectors are designed to give a short stroke.



YZ450F Monster Energy Yamaha Racing Edition

Engine

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

Chassis

Frame	Semi double cradle
Front suspension system	Upside-down telescopic fork
Front travel	310 mm
Rear suspension system	link suspension; Swingarm
Rear Travel	317 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	26° 55
Trail	120 mm

Dimensions

Overall length	2.185 mm
Overall width	825 mm
Overall height	1.285 mm
Seat height	965 mm
Wheel base	1.485 mm
Minimum ground clearance	330 mm
Wet weight (including full oil and fuel tank)	111 kg
Fuel tank capacity	6,2 L
Oil tank capacity	0,9 L



YZ450F Monster Energy Yamaha Racing Edition

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.