



YZ450F Monster Energy Yamaha Racing Edition



Take control.

Yamaha has been building winning motocross bikes for five decades. During this time the MX world has seen the rapid development of new technologies that have transformed the sport. And the Yamaha Power Tuner enables you to connect to your bike and fine-tune his engine settings to suit your riding style, taking your motocross experience to the next level.

It's so easy to use your smartphone to connect with the bike's ECU and pre-programme your YZ450F Monster Energy Yamaha Racing Edition with your own preferred fueling and ignition set up, to suit your riding style as well as different tracks and conditions. With the Power Tuner app you've got advanced connectivity technology available on a production bike that gives you total control at every track.



- Special Monster Energy Yamaha Racing Edition bodywork
- Ultra-compact 450cc engine: power with control
- Light and compact rearward-slanted cylinder
- Yamaha Power Tuner app for instant track-side tuning
- Handlebar switch for easily adjustable mapping
- Compact electric starter with ultra-light battery
- Launch Control System for quicker, smoother starts
- Advanced fuel injection system for optimum power
- Angled radiators ensure effective engine cooling
- Compact mass-centralized wraparound exhaust
- Lightweight aluminium frame for agile handling



YZ450F Monster Energy Yamaha Racing Edition

With an outstanding spread of torque-rich power together with lightweight handling and class-leading suspension, this bike is a born winner. Featuring exclusive factory graphics with black & blue bodywork and blue wheels, the YZ450F Monster Energy Yamaha Racing Edition has the performance to match its factory bike style.

Get there. Start here.

Monster Energy Yamaha Factory Team riders are fighting all the way to the podium in the MXGP World Championships. They're one of the strongest and most professional teams out there. And now you can get the look of the factory rider with the new YZ450F Monster Energy Yamaha Racing Edition.

Featuring official Monster Energy Yamaha Factory Team graphics as well as exclusive black & blue bodywork and matching blue wheels, it's the ultimate production Yamaha race bike. With its low weight, outstanding power and precise handling, the YZ450F Monster Energy Yamaha Racing Edition delivers the performance needed to take you into the victorYZone. Its lightweight aluminium frame gives an ideal balance of rigidity for precise handling and agile cornering – while the industry-leading coil spring-type forks and linkage rear suspension deliver exceptional balance.

By using the Power Tuner app on your smartphone you can make instant trackside engine mapping adjustments for total control in all riding conditions – giving the YZ450F Monster Energy Yamaha Racing Edition outstanding performance to match its authentic factory bike style. Get there. Start here.



YZ450F Monster Energy Yamaha Racing Edition



Monster Energy Yamaha Racing Edition bodywork

Featuring exclusive Monster Energy graphics as well as unique black bodywork with blue detailing – plus matching blue wheels – the YZ450F Monster Energy Yamaha Racing Edition offers every motocross rider the chance to get a taste of some factory bike magic!



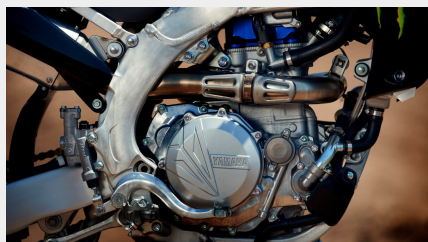
Yamaha Power Tuner app

Simply download the free app to your smartphone, and by using your bike's wireless connectivity you can adjust fuel/air mix and ignition timing to suit your riding style, as well as different tracks and conditions. What's more, this innovative system also lets you access valuable engine and maintenance data.



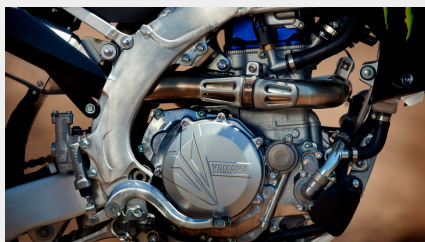
Handlebar-mounted 2-mode mapping switch

Once you've selected your two preferred engine maps and preloaded them for your riding session using the Power Tuner app you can select your preferred mapping using the handlebar-mounted switch. This on-the-fly adjustment enables you to switch the mapping mode – with the throttle shut – while riding, to give you ultimate control in all conditions.



Ultra-compact 450cc engine

Equipped with a high compression cylinder head as well as a durable forged piston and aggressive camshaft profiles, the compact 450cc engine gives you the best balance of race-winning performance together with ultimate controllability. Delivering torque-rich power right where you need it, the 2021 YZ450F Monster Energy Yamaha Racing Edition has the ability to take you to the top.



Lightweight rearward-slanted cylinder

The YZ450F Monster Energy Yamaha Racing Edition's light and compact rearward-slanted cylinder is positioned in the chassis to ensure excellent mass centralization. Together with the high-efficiency reversed cylinder head as well as the long and straight inlet and a high compression piston, this sophisticated design gives you race winning performance in all conditions.



Compact electric starter

The 450cc engine is equipped with a compact and lightweight electric starter that gives push-button convenience and saves you valuable seconds when you need to restart under pressure during a race. Powered by a high capacity four-cell lithium-ion battery, it helps to keep the 2021 YZ450F Monster Energy Yamaha Racing Edition's weight down to a minimum.



YZ450F Monster Energy Yamaha Racing Edition

Engine

Engine type	4-stroke; Liquid-cooled; DOHC; 4-valves; Rear ward slanting single cylinder
Displacement	450cc
Bore x stroke	97.0 mm 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	Fuel Injection

Chassis

Frame	Semi double cradle
Front suspension system	Upside-down telescopic fork
Front travel	310 mm
Rear suspension system	Swingarm; link suspension
Rear Travel	317 mm
Front brake	Hydraulic single disc, Ø270 mm
Rear brake	Hydraulic single disc, Ø240 mm
Front tyre	80/100-21 51M
Rear tyre	110/90-19 62M
Caster Angle	26°55
Trail	120mm

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)	112 kg
Fuel tank capacity	6.2litres
Oil tank capacity	0.90litres



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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.