



## Victory. Never given, Always Earned

The high-tech YZ85 gives more power and control. Its 85cc liquid cooled 2-stroke engine comes with the legendary Yamaha Power Valve System (YPVS) for harder hitting performance and increased torque.

High efficiency intake and exhaust systems give instant power at the twist of a wrist – and with its brakes and adjustable ergonomics, the YZ85 is ready to raise your game.

The front forks and Monocross rear suspension systems enable riders to translate the increased engine performance into lower lap times. And its sharp styling and factory-inspired graphics show the world you're serious about winning.



- Link-type Monocross rear suspension
- 85cc liquid cooled 2-stroke engine with YPVS
- Plastic resin reed valve and an expansion chamber
- Compression ratio of 8.2-9.6:1
- Close ratio 6-speed transmission
- Light and efficient large core radiator
- Fully adjustable 36mm KYB® upside down front forks
- Impact resistant fork guards
- Wave discs and brake hoses
- 4-position adjustable tapered aluminium handlebars
- Aluminium swingarm for easy chain adjustment
- Sharp styling and factory inspired graphics



## Powerful 85cc engine with YPVS

The 85cc liquid cooled engine features the Yamaha Power Valve System (YPVS) that boosts overall performance and contributes towards the bike's easy to use torque. Running with a higher compression ratio – and equipped with a close ratio 6-speed transmission – the YZ85 delivers outstanding acceleration with race winning power.



## Plastic resin reed valves and optimized exhaust

The high-performance intake and exhaust systems match the YPVS so that optimum potential can be achieved as soon as the gate drops. Plastic resin reed valves and an expansion chamber deliver controllable power with explosive acceleration – and a heart-stirring ripple – exactly when needed, to keep you way ahead of the competition.



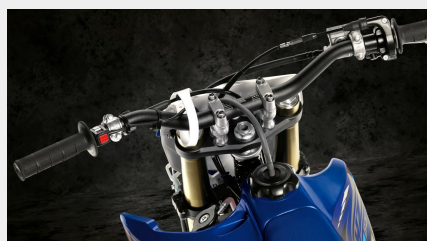
## 36mm KYB® inverted forks

Featuring specially machined one-piece tapered outer tubes that aligns them well with the rigidity balance of the frame, and with 36mm inner tubes, the front forks provide optimized damping settings. Combined with the fully adjustable low friction cartridge forks, the YZ85 has the most sophisticated front fork design ever used on a youth YZ motocross bike. Fitted with fork guards, this high-tech front end is built to master even the most demanding terrain.



## Wave-type discs, with rigid brake hoses

The YZ85's 220mm front and 190mm rear wave-type discs run cooler and give improved self-cleaning for strong stopping power. For balanced feel and precise control the YZ85 features brake hoses with a lower expansion rate, and the front hose's routing simplifies maintenance.



## 4-position adjustable tapered aluminium handlebars

Offering 27mm of potential movement, the YZ85's 4-position adjustable handlebars make it easy to set the bike up to suit rider's growth. Manufactured from aluminium, the tapered handlebars and cast upper triple clamp contribute towards the YZ85's low weight of 73kg.



## YZ450F-inspired aluminium swingarm design

For easy chain adjustment and quick rear wheel removal, the YZ85 has a lightweight aluminium swingarm that features chain adjusters inspired by the design used on the YZ450F. And to minimize unsprung weight there's also a tough composite chain guide.



## Engine

Engine type	Single cylinder;2-stroke;liquid-cooled;reed valve
Displacement	84.7cc
Bore x stroke	47.5 mm x 47.8 mm
Compression ratio	8.1 : 1
Lubrication system	Premix
Clutch Type	Wet;multiple-disc coil spring
Ignition system	CDI
Starter system	Kick
Transmission system	Constant Mesh;6-speed
Final transmission	Chain
Carburettor	Keihin PWK28/1

## Chassis

Frame	Semi double cradle
Caster Angle	27°
Trail	106mm
Front suspension system	Upside-down telescopic fork
Rear suspension system	Swingarm;(link suspension)
Front travel	275 mm
Rear Travel	287 mm
Front brake	Single Disc, Ø220 mm
Rear brake	Single Disc, Ø190 mm
Front tyre	70/100-19 42M
Rear tyre	90/100-16 52M

## Dimensions

Overall length	1,903 mm
Overall width	758 mm
Overall height	1,156 mm
Seat height	904 mm
Wheel base	1,286 mm
Minimum ground clearance	393 mm
Wet weight (including full oil and fuel tank)	73 kg
Fuel tank capacity	5.0litres
Oil tank capacity	0.5litres



# YZ85/LW

Always wear a helmet, eye protection and protective clothing. Yamaha encourage you to ride safely and respect fellow riders and the environment. Images shown in this brochure 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.