

**TY250Z**

**YAMAHA**





# TY250Z. More power, more style, more winning!

Introducing the all-new TY250Z. A radical high-tech trials bike from Yamaha that is sure to be winning from club through to international level this season!

With a completely redesigned liquid-cooled short stroke engine the TYZ delivers smooth, controllable power from tickover up to full throttle.

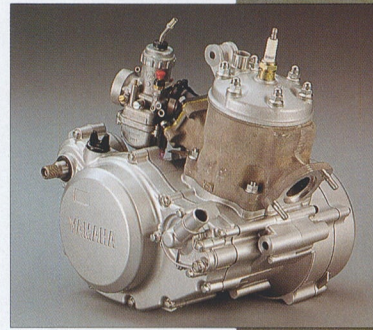
A new aluminium Deltabox chassis combines low weight with high rigidity for improved manoeuvrability, while a lightweight rear disc assembly gives strong but sensitive braking.

New TY250Z. Everyone can be a winner!



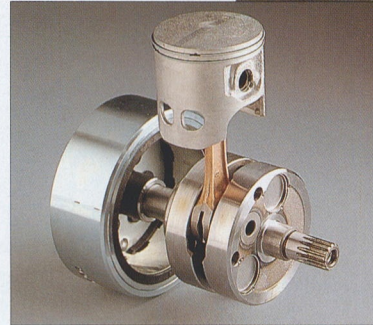
## **Engine intake/Exhaust systems**

For improved intake efficiency the new lightweight engine breathes through a redesigned airbox featuring a quickly detachable element. And to enhance torque and reduce noise the TYZ features a low level pipe and aluminium silencer.



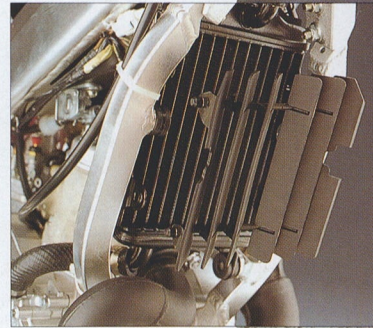
## **Engine crankshaft and flywheel magneto**

To match the short, 58mm stroke the new TYZ uses a smaller crankshaft assembly with a 100mm diameter flywheel. This configuration reduces overall engine weight and delivers smooth, effortless power through the whole rev range.



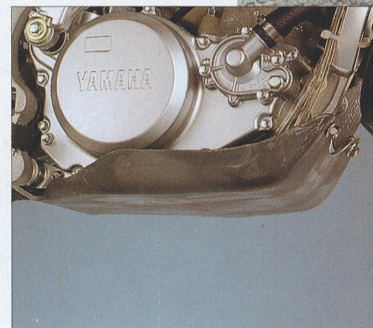
## **Electric cooling fan**

To maintain a relatively stable engine temperature a thermostatically controlled waterproof fan is situated behind the slimline radiator. Cutting in only when required, the fan ensures optimum engine performance even under heavy, prolonged use.



## **Skid plate**

Offering excellent protection from rock damage as well as providing a smooth surface for sliding over obstacles is a new flat-bottom skid plate. Manufactured from thick aluminium sheet, this tough guard gives 345mm ground clearance.

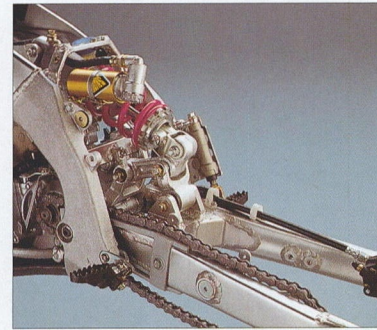






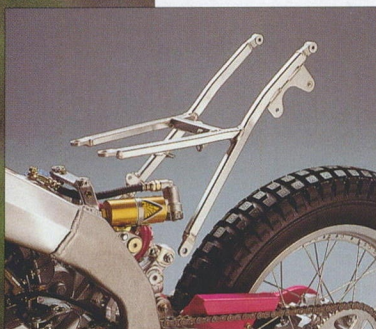
#### **Deltabox frame**

Manufactured from aluminium, the TYZ's new Deltabox frame is 1kg lighter and 300% more rigid than its tubular predecessor. Featuring widely spaced top rails, this design offers excellent handling in tough conditions.



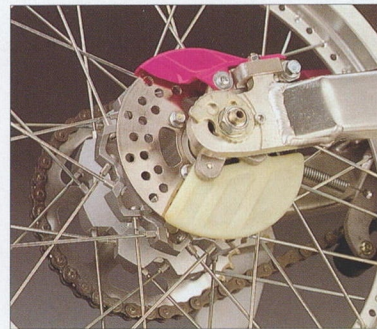
#### **Rear suspension/swinging arm**

An all-new rear end employs a lightweight box section swinging arm with immense lateral rigidity. Operating the new 62mm stroke rear shock via forged aluminium linkages, this revised suspension system gives 180mm travel, the same as at the front end.



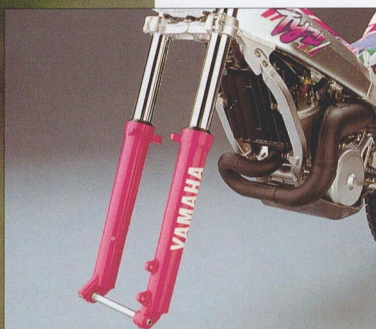
#### **Detachable subframe**

To make routine maintenance easier the machine's lightweight rear subframe is fully detachable. Mounted to the Deltabox frame at four points, this aluminium assembly can be removed and refitted in minutes.



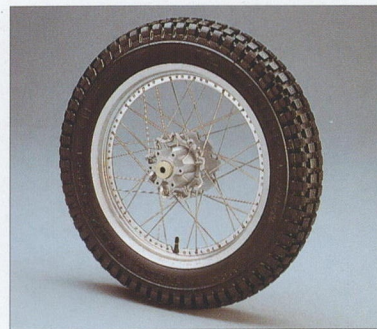
#### **Rear disc brake**

The 180mm front disc is backed up by a 161mm rear incorporating a compact Brembo caliper. Giving reduced unsprung weight and improved braking performance, the system uses semi-metallic pads for superior all-weather performance.



#### **Front forks**

New lightweight cartridge-type conventional front forks are completely redesigned and use larger 41mm diameter tubes for increased overall rigidity and more precise handling. Fully adjustable for compression damping, they offer 180mm of smooth-action front wheel travel.



#### **Rear wheel**

To achieve lower unsprung weight the new TYZ is fitted with a new rear wheel and tubeless tyre, while further weight savings are made with the use of a vacuum diecast hub which is both stronger and lighter than the previous design.



#### **Aluminium handlebars**

For improved steering the TYZ is fitted with a pair of aluminium handlebars mounted to a redesigned triple clamp with a relocated handlebar mounting position for more effective machine control.



#### **Speedometer**

For added rider convenience the TY250Z is fully equipped with a headlight and tail lamp as well as a compact speedometer which has been carefully situated for maximum protection.





PWS1 (Purplish White Solid 1)

**TY250Z**  
**TECHNICAL SPECIFICATIONS**  
**ENGINE**

Type ..... 2-stroke, piston reed-valve,  
 single cylinder  
 Displacement ..... 249 cc  
 Bore & stroke ..... 74.0 x 58.0 mm  
 Compression ratio ..... 8.5 : 1  
 Max. power (DIN) ..... 22 PS  
 (16.2 kW) @ 5,500 rpm  
 (ISO) ..... 20.5 PS  
 (15 kW) @ 5,500 rpm  
 Max. torque ..... 3 kg-m  
 (29.4 Nm) @ 4,500 rpm  
 Lubrication ..... Premix  
 Carburation ..... TEIKEI Y26P/1  
 Ignition ..... C.D.I.  
 Starter system ..... Kick  
 Fuel tank capacity ..... 3 litres  
 Transmission ..... 6-speed  
 Final transmission ..... Chain

**CHASSIS**

Overall length ..... 2,045 mm  
 Overall width ..... 805 mm  
 Overall height ..... 1,085 mm  
 Seat height ..... 725 mm  
 Wheelbase ..... 1,340 mm  
 Min. ground clearance ..... 345 mm  
 Dry weight ..... 79 kg  
 Front suspension ..... Telescopic forks  
 Rear suspension ..... Monocross  
 Front brake ..... Single 180 mm Ø disc  
 Rear brake ..... Single 161 mm Ø disc  
 Front tyre ..... 2.75-21  
 Rear tyre ..... 4.00-18

*Always wear a helmet, eye protection and protective clothing. Yamaha encourage you to ride safely and respect fellow riders and the environment. Specifications and appearance of Yamaha products shown here may vary according to requirements and conditions, and are subject to change without notice. For further details, please consult your Yamaha dealer.*



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