

YAMAHA **TY50P**

...it can take it

And you can take Yamaha's new mini-trials bike almost anywhere you care to ride, because it's purpose built to ride over the rough with the smooth. Excellent low speed characteristics, plus real power when you need it from the responsive 'Torque Induction' 2 stroke engine see to that. Most importantly, Yamaha's unique frame design gives you the utmost assistance when you're negotiating the obstacles that rough terrain produces. The TY50's special pedal arrangement ensures that you'll be able to enjoy the handling and thrills of a trials type machine at the age of sixteen - don't miss the fun.



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Mini-trials machine with big Yamaha features



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Engine

In order to power this mini-trials machine over tough trials terrain Yamaha have made a robust 2 stroke, single cylinder reed valve engine. It's highly responsive with an exceptionally good power to weight ratio. The aluminium cylinder with cast iron sleeve design ensures excellent heat dissipating qualities. Above all this particular engine operates smoothly and dependably at very slow, intermediate or fast speeds.

Autolube

For convenience and more efficient engine operation, Yamaha's exclusive Autolube oil lubrication is included on this machine. This system continuously monitors the speed of the engine and throttle opening and automatically supplies a precise amount of oil from a separate tank to be mixed with the fuel. The result is a longer-lasting, cleaner operating engine.

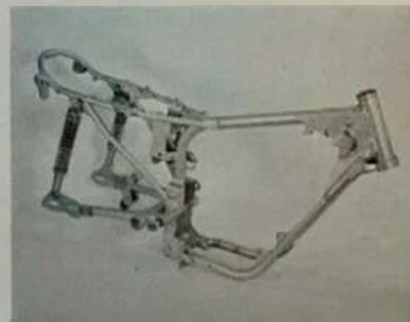
Transmission

Coupling the power of the engine to the rear wheel is a sturdy, positive-action 4 speed transmission. All gear ratios have been precisely selected to yield a comfortable overlap in between ranges and to obtain the most efficient power transfer from the engine. Lower gears are especially suitable for coping with rough terrain at slow speeds, whilst top gears make for easy road riding at higher speeds.



Front Forks

In order to absorb the heavier shocks experienced with trials riding it's necessary to have a longer stroke design of front forks. The TY50's long travel 110mm forks are just the job, giving maximum stability plus exceptional manoeuvrability.



Specifications

PERFORMANCE	
Max. speed range	60 km/h
Climbing ability	20°
Min. turning radius	1,800 mm
Min. braking distance	3.5 m @ 20 km/h
ENGINE	
Type	2-stroke, Torque Induction, Single
Displacement	49 cc
Bore & Stroke	40 x 39.7 mm
Compression ratio	6.8:1
Max. horsepower (S.A.E. net)	2.9 bhp @ 5,500 rpm
Max. torque	0.40 kg-m @ 5,500 rpm
Lubrication system	Autolube
Starting System	Primary lock
Transmission	4-speed gearbox
DIMENSIONS	
Overall length	1,600 mm
Overall width	775 mm
Overall height	975 mm
Wheelbase	1,190 mm
Min. ground clearance	200 mm
WEIGHT (net)	
FUEL TANK CAPACITY	4.7 lit
OIL TANK CAPACITY	1.2 lit
TYRES front	2.50-18-4PR
TYRES rear	3.00-16-4PR

*Specifications subject to change without notice



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