

# YAMAHA T Y 80



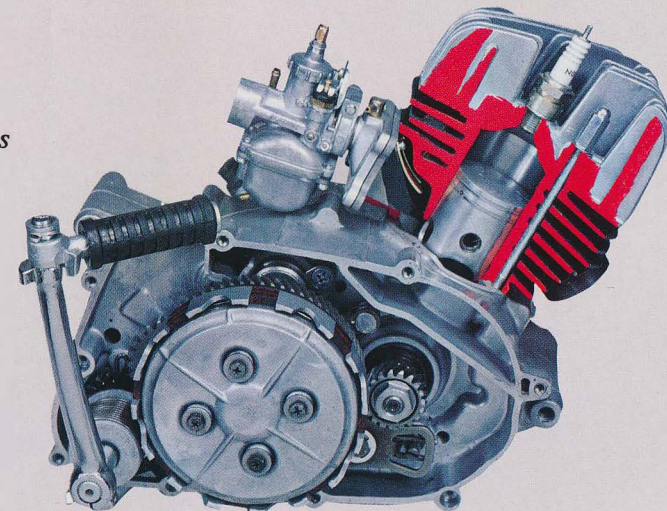
# STARTING IN STYLE: YAMAHA TY80

The full force of Yamaha's off-road competition technology has been focussed on the TY80 with a view to giving the young enthusiast a serious opportunity to learn the art and skills of trials riding. Its 72cm<sup>3</sup> engine develops useful torque at low engine speeds and its frame provides both good ground clearance and quick, positive steering. The TY80 was designed as a small competition machine, but it embodies the characteristics of bigger, more powerful machines in order to provide a smooth transition to advanced competition.

*The TY80 is equipped with drum brakes front and rear, both of which feature Yamaha's labyrinth-seal double-ridge system of water and dust exclusion. The water sections can be tackled with complete confidence.*

## *Engine*

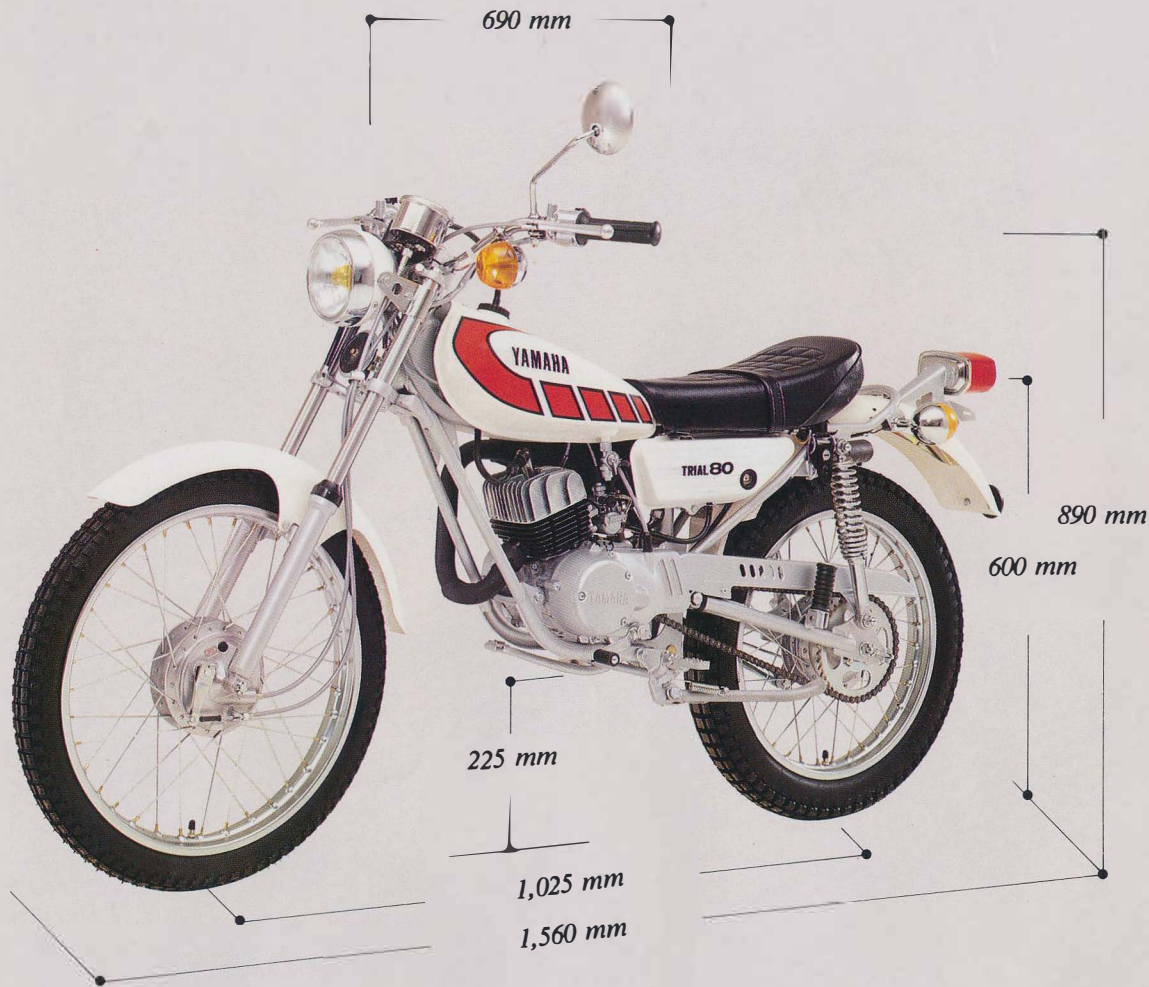
*The single-cylinder aluminium-alloy engine incorporates Yamaha's reed-valve Torque Induction to produce forceful low-speed performance over obstacles. Good throttle response throughout the engine's range ensures maximum control as conditions change. Lubrication of the TY80 is controlled by a pump, linked to the throttle, which delivers oil under pressure to the crankcase in direct relation to engine speed. Thus the moving parts receive oil in exact proportion to their requirements. Not only is engine life much improved, but the Autolube system avoids the messy combustion of the petroil system and provides crisper, more predictable performance.*



*Both front and rear suspension are special long-travel units designed to absorb sustained shock without giving way to bounce. Competition damping ensures maximum power transference at the rear wheel and a predictably maneuverable front end.*



*The power unit is equipped with a five-speed gearbox, with changes effected by a short competition lever recessed into the crankcase side cover. The ratios have been selected to provide low-speed power as well as a good pace between the sections.*



## TY80

### SPECIFICATIONS

#### ENGINE

Type . . . . . 2-stroke, Torque Induction, Single  
 Displacement . . . . . 72 cm<sup>3</sup>  
 Bore & Stroke . . . . . 47 × 42 mm  
 Compression ratio . . . . . 7.0 : 1  
 Lubrication system . . . . . Autolube  
 Starting system . . . . . Kick starter  
 Primary transmission . . . . . Gear  
 Final transmission . . . . . Chain  
 Gearbox . . . . . 5-speed  
 Carburetor . . . . . Y16P  
 Clutch . . . . . Multi-plate, wet  
 Ignition type . . . . . Magneto, CB/Coil

#### DIMENSIONS

Overall length . . . . . 1,560 mm  
 Overall width . . . . . 690 mm  
 Overall height . . . . . 890 mm  
 Seat height . . . . . 600 mm  
 Wheelbase . . . . . 1,025 mm  
 Min. ground clearance . . . . . 225 mm  
 Weight (net) . . . . . 54 kg  
 Fuel tank capacity . . . . . 2.5 lit.  
 Oil tank capacity . . . . . 0.2 lit.  
 Tires Front . . . . . 2.50-16-4PR  
 Rear . . . . . 3.00-14-4PR  
 Brakes Front . . . . . Drum  
 Rear . . . . . Drum

*\*Specifications are subject to change without notice.*

