

YAMAHA DT50M



DT50M: Yamaha's multiple –Choice lightweight

Yamaha's belief in the importance of the small-capacity motorcycle has led to the development of the DT50M – one of the most sophisticated lightweight motorcycles in the world. Yamaha took the opportunity to create an exciting and stylish motorcycle with a multiplicity of uses. The starting point is a tough little off-road performer. Which leads naturally to a purposeful commuting machine as well as an elegant introduction to motorcycling for the young enthusiast.

The same advanced chassis technology and engine design that have made Yamaha the world leader in lightweight two-strokes, on the street and in competition, give the DT50M its character.

A punchy 49 cm³ engine fully equipped with both Torque Induction and Autolube is compactly housed in a twindowntube cradle frame that delivers equally good handling on or off the road.

High-level exhaust allows good ground clearance, while a padded brace bar adds to rider safety. A racing-style screw petrol cap and a louvred front mudguard underline the bike's competition background. Full instrumentation, dual seat, and turn signals make the DT50M ready for the road.



Engine

Bore/stroke of single-cy
40 × 39.7 mm; ignition
magneto; cylinder head
cast alloy utilising a cas
sleeve.



Suspension

Front forks are long-travel hydraulic units and rear shock absorbers are oil damped, with exposed chrome spring. Suspension system shares features of all Yamaha off-road machinery.

Street legal

Street equipment includes speedometer, turn signals, rear-view mirror, horn, and front and rear lighting.



Brace

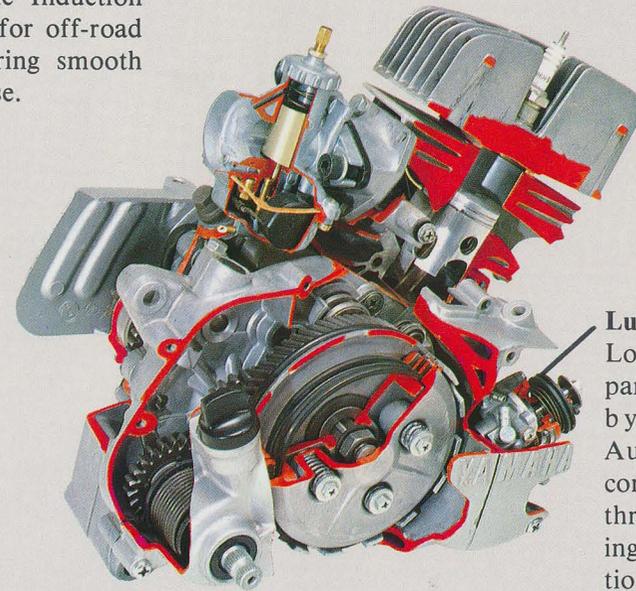
For additional strength off the road, handlebars are braced, as on competition machines, and padded for rider protection.

Switches

Engine kill button (essential for off-road riding) and lighting switches are located on twistgrip boss.

Engine; Torque Induction

Yamaha's reed-valve Torque Induction system provides tractability for off-road conditions as well as ensuring smooth delivery of power for street use.



Lubrication

Long life of moving parts is guaranteed by Yamaha's Autolube system, controlled by the throttle and delivering correct lubrication at all engine speeds. Avoids waste and prevents cylinder and plug fouling.

Transmission

Five-speed transmission features ratios carefully selected for optimum use of the 50's power unit. Large clutch is designed to absorb the impact of hard riding on rough terrain.

linder engine is
by flywheel
and barrels of
t-iron cylinder

DT50M

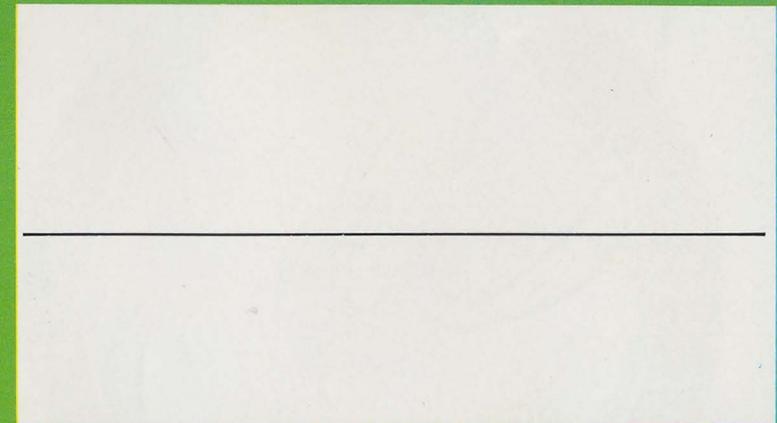
ENGINE

Type	2-stroke, Torque Induction, Single
Displacement	49 cm ³
Bore & Stroke	40.0 × 39.7 mm
Compression ratio	6.8 : 1
Lubrication system	Autolube
Starting system	Kick starter
Primary transmission	Gear
Gear Box	5-speed
Carburetor	VM16SH
Clutch	Multi-plate, Wet
Battery	6V, 4AH
Charging system	Flywheel magneto
Ignition type	Magneto

DIMENSIONS

Overall length	1,860 mm
Overall width	805 mm
Overall height	1,045 mm
Wheelbase	1,210 mm
Seat height	780 mm
Weight	72 kg
Fuel tank capacity	6.0 lit.
Oil tank capacity	1.0 lit.
Tires front	2.50-19-4PR
rear	3.00-17-4PR
Brakes front	Drum
rear	Drum

**Specifications subject to change without notice.*



YAMAHA MOTOR N.V.

Postbus 7829 PROF. E.M. Meyerslaan 3
Amstelveen (Amsterdam), Holland