

Date	20.04.12
Status	Approved
Technical Data	TC250R
Engine	
Type	4-stroke single cylinder, four valves per cylinder, two overhead camshafts, wet sump lubrication.
Bore / stroke	79 mm x 50.9 mm (3.11 in x 2 in)
Displacement	249.5 cc
Compression ratio	13.5:1
Mixture control / engine management	Electronic injection / digital engine management, capacitive discharge ignition, with variable advance.
Starting	Kick start.
Cooling	Liquid cooling.
Homologation	No homologation, USA: Red sticker.
Transmission	
Clutch	Wet, multiplate type, hydraulic control.
Gearbox	Constant mesh 5-speed gearbox.
Final drive ratio	13T / 50T (3.846)
Chassis / brakes	
Frame	Steel single tube. Aluminium rear subframe.
Front suspension	Kayaba upside-down telescopic closed cartridge fork; compression and rebound damping adjustment; ø 48 mm.
Rear suspension	Kayaba progressive "Soft Damp" type with single hydraulic shock absorber; spring preload adjustment, rebound damping adjustment, and compression damping adjustment for low-speed and high speed.
Front suspension travel	300 mm (11.81 in)
Rear suspension travel	296 mm (11.6 in)
Wheels	Aluminium alloy spoked wheels.
Rim, front	1.60"x21"
Rim, rear	1.85"x19"
Tyres, front	80/100 - 21"
Tyres, rear	100/90 - 19"
Brake, front	260 mm (10.24 in) fixed disc, "Wave" type, with hydraulic control and double piston floating caliper.
Brake, rear	240 mm (9.45 in) fixed disc, "Wave" type, with hydraulic control and single piston floating caliper.
Dimensions / weight	
Wheelbase	1.460 mm (57.48 in)
Seat height, unladen weight	985 mm (38.78 in)
Ground clearance, unladen weight	325 mm (12.79 in)
Trail	111 mm (4.37 in)
Rake	26,5°
Dry weight	101 Kg (222.67 lb)
Fuel tank capacity	6.5 l (US gallons: 1.72 - Imp. gallons 1.43)