

Trial

Montesa Cota 4RT Repsol

Engine

Type Liquid-cooled 4-stroke 4-valve SOHC single

Displacement 258,9 cm³

Bore x Stroke 78 _ 54.2 mm

Compression Ratio 10.5 : 1

Idling Speed 1,800 min⁻¹

Engine Oil Capacity 0.6 litres

Transmission Oil Capacity 0.57 litres

Fuel system

Injection PGM-FI electronic fuel injection

Throttle Bore 28 mm

Air cleaner Foam

Fuel Tank Capacity 2 litres

Electrical System

Ignition System Computer-controlled digital transistorised with electronic advance

Ignition Timing 27° BTDC (idle) ~ 45° BTDC (10,000 min⁻¹)

Sparkplug Type CR6EH-9 (NGK)

Starter Primary kick

ACG Output 160 W

Drive train

Clutch Multiplate with coil springs

Clutch Operation Hydraulic

Transmission Type 5-speed

Primary Reduction 3.166 (57/18)

Gear Ratios :

1 2.800 (42/15)

2 2.384 (31/13)

3 2.000 (30/15)

4 1.272 (28/22)

5 0.814 (22/27)

Final Reduction 4.100 (41/10)

Final Drive # 520 roller chain

Frame

Type Diamond; aluminium twin-spar

Chassis Dimensions

Dimensions (LxWxH) 2,016 _ 830 _ 1,130 mm

Wheelbase 1,321 mm

Caster Angle 23°

Trail 63 mm

Turning Radius 2.5m

Seat Height 650 mm

Footrest Height 390 mm

Ground Clearance 335 mm

Dry Weight 73 kg

Suspension

Front 39 mm Showa cartridge-type telescopic fork with 22-step compression damping adjustment and 20-step rebound damping adjustment; 175 mm axle travel

Rear Pro-Link with single damper, stepless compression adjustment and 12-step rebound damping adjustment; 170 mm axle travel

Wheels

Front 21 _ 1.60

Rear 18 _ MT2.15

Front Tyre 2.75-21 (Pressure: 39 - 44kPa)

Rear Tyre 4.00-18 (Pressure: 29 - 34kPa)

Brakes

Front 185 x 3.5 mm hydraulic disc with four-piston calliper and sintered metal pads

Rear 150 x 2.5 mm hydraulic disc with double-piston calliper and sintered metal pads