

Trial

Montesa Cota 300RR

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MRT300J 2ED
EU Homologated type

Engine

Type Single cylinder, 4 strokes, 4 valves,
SOHC, liquid cooling
Displacement 288 cm³
Bore x stroke 80 × 57.2 mm
Compression ratio 10.4 : 1
Idle speed 1,800 min⁻¹
Engine oil capacity 0.6 litres ; Transmission:
0.57 litres

Fuel system

Intake Electronic fuel injection PGM-FI
Throttle bore 28 mm
Air filter Oil-impregnated polyurethane foam
filter
Fuel tank capacity 1,9 litres

Electric system

Ignition system Electronic digital transistor
Ignition advance 27° BTDC (Idle) ~ 45° BTDC
(10.000 min⁻¹)
Spark plug CR6EH-9 (NGK)
Starting system Primary Kick Starter
Alternator power ACG 160 W

Drive train

Clutch Wet Multi-plate
Clutch operating system Hydraulic operated
Transmission 5 speed constant mesh
Primary reduction 3.166 (57/18)
Gear ratio 1st 2.800 (42/15)
2nd 2.384 (31/13)
3rd 2.000 (30/15)
4^a 1.272 (28/22)
5th 0.814 (22/27)
Final reduction 4.100 (41/10)
Final transmission Chain roller #520

Frame

Type Aluminium twin tube
Dimension (L×W×H) 2,020 x 840 x 1,135 mm
Wheelbase 1,320 mm
Caster angle 23°
Seat height 665 mm
Footrest height 390 mm
Ground clearance 310 mm
Dry weight 72 kg

Suspension

Front
Telescopic fork TECH aluminium bars 39
mm, adjustable in preload, compression and
extension. Travel 167mm

Rear
Pro-Link system with SHOWA damper,
adjustable in pre-load and extension. Travel
170mm

Wheels

Rim type Aluminium / spokes
Rim size Front: 21 × 1.60
Rear: 18 × 2.15
Tire size 2.75 x 21 (Michelin)
4.00 x 18 (Michelin)
Tire pressure Front: 100 kPa
Rear: 100 kPa

Brakes

Front
Hydraulic disc of 185 × 3.5 mm with 4 piston
caliper and sintered metal pads

Rear
Hydraulic disc 150 X 2.5 mm double piston
caliper