

Trial

Montesa 4Ride

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MST260J ED
EU Homologated type

Engine

Type: Single cylinder, 4 strokes, 4 valves,
SOHC, liquid cooling
Displacement 258,9 cm³
Bore x stroke 78 × 54.2 mm
Compression ratio 10.5 : 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 4.3 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 1^a 2,385 (31/13)
2^a 1,933 (29/15)
3^a 1,500 (27/18)
4^a 1,130 (26/23)
5^a 0,814 (22/27)
Final reduction 4,100 (41/10)
Final transmission Chain roller #520

Frame

Type Aluminium Twin Tube
Dimension (L×W×H) 2,035 x 835 x 1,160 mm
Wheelbase 1,335 mm
Caster angle 23°
Seat height 905 mm
Footrest height 390 mm
Ground clearance 325 mm
Dry weight 82 kg

Suspension

Front
Telescopic fork TECH 39mm, adjustable in
preload and extension. 190mm travel.
Rear
Pro-Link system with R16V damper,
adjustable in preload, extension. Travel
170mm

Wheels

Rim type Aluminium / spokes
Rim size Front: 21 × 1.60
Rear: 18 × 2.15
Tire size Front 80/100 21 (Dunlop)
Rear 120/100 R18 (Dunlop)
Tire pressure Front: 100 kPa
Rear: 100 kPa

Brakes

Front
Hydraulic disc of 185 × 3.5 mm with
MONOBLOC 4-piston caliper and sintered
metal Pads
Rear
Hydraulic disc of 183 × 3.5 mm double piston
caliper