

MOTO GUZZI ELDORADO – TECHNICAL SPECIFICATIONS

ENGINE

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| Type | : 90° V-twin engine, 4-stroke, 4 valves, double ignition |
| Cooling | : air and oil with an independent cooling pump Oil radiator with thermostat controlled fan. |
| Displacement | : 1380 cc |
| Bore and stroke | : 104 x 81.2 mm |
| Compression ratio | : 10.5 : 1 |
| Timing system diagram (1 mm checking clearance) | : intake valve opens 19° BTDC intake valve closes 55° ABDC exhaust valve opens 49° BBDC exhaust valve closes 12° ATDC |
| Maximum power | : 71 kW (96 HP) at 6500 rpm |
| Maximum torque | : 120 Nm 2750 min ⁻¹ |
| Fuel supply / Ignition | : phased electronic Multipoint sequential injection, Magneti Marelli IAW7SM; “ride by wire” Ø 52 mm throttle body, IWP 243 Magneti Marelli injectors, double oxygen sensor, integrated management of 3 engine mappings, traction control, cruise control |
| Starting | : Electrical |
| Spark plugs | : NGK LMAR8F, 2 per cylinder |
| Exhaust system | : stainless steel, 2-in-2 type, 3-way catalytic converter with double oxygen sensor |
| Emissions compliance | : Euro 3 |

TRANSMISSION

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| Gearbox | : 6 speed (sixth is overdrive) |
| Gear ratio values | : 1st 17/38 = 1 : 2.235 : 2nd 20/34 = 1: 1.700 : 3rd 23/31 = 1: 1.348 : 4th 26/29 = 1: 1.115 : 5th 31/30 = 1: 0.968 : 6th 30/24 = 1: 0.8 |
| Primary drive | : with helical teeth (ratio 26/35 = 1: 1,346) |
| Final drive | : double cardan joint and fixed bevel gear seat, drive ratio 10/36 = 1: 3.6) |
| Clutch | : single-disc with integrated anti-vibration buffer |

CHASSIS

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| Frame | : steel tubing, closed double cradle with elastic-kinematic engine mounting system to isolate |
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| | vibrations. |
| Wheelbase | : 1685mm |
| Trail | : 155 mm |
| Headstock angle | : 32° |
| Steering angle | : 38° |
| Front suspension | : standard fork , Ø 46 mm, with radial calliper mounting bracket and telescopes on the stanchions |
| Front wheel travel | : 120 mm |
| Rear suspension | : Swingarm with two shock absorbers, with adjustable spring preload |
| Rear wheel travel | : 120 mm |
| Front brake | : dual 320 mm stainless steel floating discs, Brembo radial callipers with 4 horizontally opposed pistons |
| Rear brake | : 282 mm stainless steel fixed disc, Brembo floating calliper with 2 parallel pistons |
| Wheels | : Aluminium alloy |
| Front wheel rim | : 3.50" x 16" |
| Rear wheel rim | : 5.50" x 16" |
| Front tyre | : 130/90 R16" |
| Rear tyre | : 180/65 R16" |

ELECTRICAL SYSTEM

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| System voltage | : 12 V |
| Battery | : 12V - 18 Ah |
| Alternator | : 12 V – 550 W |

DIMENSIONS

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| Length | : 2445 mm |
| Width | : 940mm |
| Height | : 1180 mm |
| Saddle height | : 740 mm (720 mm opt.) |
| Minimum ground clearance | : 165 mm |
| Kerb weight* | : 314 Kg (Eldorado) |
| Fuel tank capacity | : 20.5 litres |
| Reserve | : 5 litres |

* Weight of bike ready to ride, will all fluids and no fuel