



# CALIFORNIA 1400 ELDORADO

## TECHNICAL SPECIFICATIONS

### ENGINE

<b>TYPE</b>	90° V-twin engine, 4 stroke, SOHC 4 valves per cylinder.	
<b>COOLING</b>	Air and oil cooled with independent cooling pump. Oil cooler with thermostat controlled fan.	
<b>ENGINE CAPACITY</b>	1380 cc	
<b>BORE AND STROKE</b>	104 x 81.2 mm	
<b>COMPRESSION RATIO</b>	10.5: 1	
<b>TIMING SYSTEM DIAGRAM</b>	Intake valve opens 19° BTDC Intake valve closes 55° ABDC	Exhaust valve opens 49° BBDC Exhaust valve closes 12° ATDC
<b>MAXIMUM POWER</b>	71 kW (96 HP) at 6500 rpm	
<b>MAXIMUM TORQUE</b>	121 Nm at 3000 rpm	
<b>FUEL SUPPLY / IGNITION</b>	Electronic Multipoint sequential injection, Magneti Marelli IAW7SM; "ride by wire" Ø 52 mm throttle body, IWP 243 Magneti Marelli injectors, twin oxygen sensors, integrated management of 3 engine mappings, traction control and cruise control.	
<b>STARTER</b>	Electric	
<b>SPARK PLUGS</b>	NGK LMAR8F, 2 per cylinder	
<b>EXHAUST SYSTEM</b>	Stainless steel, 2-in-2 type, three-way catalytic converter with twin lambda probe.	
<b>EMISSION STANDARD</b>	Euro 3	

### TRANSMISSION

<b>GEARBOX</b>	6 speed	
<b>GEAR RATIOS</b>	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
<b>PRIMARY DRIVE</b>	Helical teeth gear set, ratio 26/35 = 1: 1,346	
<b>FINAL DRIVE</b>	Hypoid gear set, ratio 10/36 = 1: 3.6	
<b>CLUTCH</b>	Single-disc	



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### CHASSIS

<b>FRAME</b>	Steel tubing, closed double cradle with elastic-kinematic engine mounting system to isolate vibrations.	
<b>CENTRE TO CENTRE DISTANCE</b>	1695 mm	
<b>TRAIL</b>	144 mm	
<b>RAKE</b>	32°	
<b>STEERING ANGLE</b>	38°	
<b>FRONT SUSPENSION</b>	Ø 46 mm forks, hydraulic damping.	
<b>FRONT WHEEL TRAVEL</b>	120 mm	
<b>REAR SUSPENSION</b>	Swingarm with twin shocks, adjustable rebound and spring preload with remote reservoir.	
<b>REAR WHEEL TRAVEL</b>	120 mm	
<b>FRONT BRAKE</b>	Dual Ø 320 mm stainless steel floating discs, Brembo radial 4 spot radial mounted callipers.	
<b>REAR BRAKE</b>	282 mm stainless steel fixed disc, Brembo floating calliper with 2 parallel pistons.	
<b>ABS</b>	Continental Two Channel ABS	
<b>WHEELS</b>	Aluminium alloy	
<b>WHEEL RIM</b>	Front: 3.50" x 18"	Rear: 6.00" x 16"
<b>TYRE</b>	Front: 130/70R18	Rear: 200/60R16

### ELECTRICAL SYSTEM

<b>SYSTEM VOLTAGE</b>	12 V	
<b>BATTERY</b>	12V - 18 Ah	
<b>ALTERNATOR</b>	12 V - 550 W	



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### DIMENSIONS

<b>LENGTH</b>	2445 mm
<b>WIDTH</b>	940 mm
<b>HEIGHT</b>	1180 mm
<b>SADDLE HEIGHT</b>	740 mm (720 mm opt.)
<b>MINIMUM GROUND CLEARANCE</b>	165 mm
<b>KERB WEIGHT</b>	329 kg
<b>DRY WEIGHT</b>	309 kg
<b>FUEL TANK CAPACITY</b>	20.5 Litres
<b>RESERVE</b>	5 Litres