

**FICHE TECHNIQUE**
**ENGINE**

|  |  |
|--|--|
| 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<br>(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                                     | 121 Nm 3,000 min <sup>-1</sup>   |
| 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 4   |

**TRANSMISSION**

|                   |  |
|-------------------|--|
| Gearbox           | 6-speed  |
| 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**

|                    |   |
|--------------------|---|
| Frame              | steel tubing, closed double cradle with elastic-kinematic engine mounting system to isolate vibrations. |
| Wheelbase          | 1695 mm   |
| Trail              | 145 mm  |
| Headstock angle    | 33°   |
| Steering angle     | 37°   |
| Front suspension   | standard fork , Ø 45 mm, with radial calliper mounting bracket  |
| Front wheel travel | 110 mm  |
| Rear suspension    | Swingarm with double shock absorber with adjustable extension and spring preload with remote tank.      |
| 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 18"   |
| Rear wheel rim     | 6.00" x 16"   |
| Front tyre         | 130/70 R18  |
| Rear tyre          | 200/60 R16"   |

**ELECTRICAL SYSTEM**

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

**DIMENSIONS**

|                          |                      |
|--------------------------|----------------------|
| Length                   | 2445 mm              |
| Width                    | 920 mm               |
| Height                   | 1145 mm              |
| Saddle height            | 740 mm (720 mm opt.) |
| Minimum ground clearance | 165 mm               |
| Kerb weight*             | 299 Kg               |
| Fuel tank capacity       | 20.5 litres          |
| Reserve                  | 5 litres             |

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