## Engine

| | |
|---|---|
| Type | Air/oil-cooled flat twin ('Boxer') 4-stroke engine, two camshafts and four radially aligned valves per cylinder, central counterbalancer shaft |
| Bore x stroke | 101 mm x 73 mm |
| Capacity | 1,170 cc |
| Rated output | 81 kW (110 hp) at 7,750 rpm |
| Max. torque | 116 Nm at 6.000 rpm |
| Compression ratio | 12.0 : 1 |
| Mixture control / engine management | Electronic intake pipe injection / digital engine management with overrund cutoff, twin-spark ignition |
| Emission control | Controlled 3-way catalytic converter, exhaust emission standards EU-4 |

## Performance / fuel consumption

| | |
|---|---|
| Maximum speed | over 200 km/h |
| Consumption w.r.t WMTC for 100km | 5,3 l |
| Fuel type | Unleaded fuel, octane number 95-98 RON (rated output at 98 RON) |

## Electrical system

| | |
|---|---|
| Alternator | three-phase alternator 720 W |
| Battery | 12 V / 14 Ah, maintenance-free |

## Power transmission

| | |
|---|---|
| Clutch | Single dry plate clutch, hydraulically operated |
| Gearbox | Claw-shifted six-speed transmission with helical-cut splines |
| Drive | Shaft drive |

## Chassis / brakes

| | |
|---|---|
| Frame | four-part frame concept with front frame and three-part rear frame, load-bearing engine-gearbox unit, rear-seat frame removeable for one-up riding |
| Front wheel location / suspension | Upside-down telescopic forks, 46 mm fixed-fork-tube diameter |

| | |
|---|---|
| Rear wheel location / suspension | Cast aluminium single swinging arm with BMW Motorrad Paralever; central spring strut, spring preload fully adjustable by handwheel, adjustable rebound-stage damping |
| Suspension travel front / rear | 120 mm / 120 mm |
| Wheelbase | 1.487 mm |
| Castor | 107,9 mm |
| Steering head angle | 63,2° |
| Wheels | Spoke wheels |
| Rim, front | 3,50 x 17" |
| Rim, rear | 5,50 x 17" |
| Tyres, front | 120/70 ZR 17 |
| Tyres, rear | 180/55 ZR 17 |
| Brake, front | Twin-disc brakes, diameter 320 mm, 4-piston callipers |
| Brake, rear | Single disc brake, diameter 265 mm, double-piston floating caliper |
| ABS | BMW Motorrad ABS |

**Dimensions / weights**

| | |
|---|---|
| Length | 2.110 mm |
| Width (incl. mirrors) | 900 mm |
| Height (excl. mirrors) | 1.240 mm |
| Seat height, unladen weight | 805 mm |
| Inner leg curve, unladen weight | 1.795 mm |
| Unladen weight, road ready, fully fuelled [1] | 222 kg |
| Permitted total weight | 430 kg |
| Payload (with standard equipment) | 208 kg |
| Usable tank volume | 18 l |
| Reserve | app. 3 L |