



## 6. Technical data.

### Engine

Capacity	cc / cui	1,802 / 110
Bore/stroke	mm	107.1/100
Output	kW/hp	67/91
at engine speed	rpm	4,750
Torque	Nm	158
at engine speed	rpm	3,000
Type	Air/water-cooled 2-cylinder 4-stroke boxer engine	
No. of cylinders	2	
Compression/fuel	9.6:1 / premium unleaded (95-98 RON)	
Valve/accelerator actuation	OHV	
Valves per cylinder	4	
Ø intake/outlet	mm	41.2/35.0
Ø throttle valves	mm	48
Engine control	BMS-O	
Emission control	Closed-loop 3-way catalytic converter, EU5 exhaust standard	

### Electrical system

Alternator	W	600
Battery	V/Ah	12/26 maintenance-free
Headlight	LED low beam with projection module LED high beam with projection module	
Starter	kW	1.5

### Power transmission - gearbox

Clutch	Hydraulically activated single-disc dry clutch	
Gearbox	Constant-mesh 6-speed gearbox	
Primary ratio	1.16	
Transmission ratios	I	2,438
	II	1,696
	III	1,296
	IV	1,065
	V	0,903
	VI	0,784
Rear wheel drive	Universal shaft	
Transmission ratio	3.091	

### Suspension

Frame construction type	Double-loop steel tube frame	
Front wheel control	Telescopic fork, fork tube Ø 49 mm	
Rear wheel control	Cantilever	
Total spring travel, front/rear	mm	120/90
Wheel castor	mm	150.0
Wheelbase	mm	1,731
Steering head angle	°	57.3
Brakes	front	Twin disc brake Ø 300 mm
	rear	Single disc brake Ø 300 mm
ABS	BMW Motorrad Integral ABS (part-integral)	

**BMW R 18**

Wheels		Wire-spoked wheels
	front	3.5 x 19"
	rear	5.0 x 16"
Tyres	front	120/70 R 19 or B 19 (manufacturer-dependent)
	rear	180/65 B 16

**Dimensions and weights**

Total length	mm	2,440
Total width with mirrors	mm	964
Seat height	mm	690
DIN unladen weight, road ready	kg	345
Permitted total weight	kg	560
Fuel tank capacity	l	16

**Performance figures**

Fuel consumption (WMTC)	l/100 km	5.6
CO2 emissions (WMTC):	g/km	129
0–100 km/h	s	4.8
Top speed	km/h	180