

The new BMW R 18.

Technical data.



BMW R 18

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/oil-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
CO ₂ emissions (WMTC):	g/km	129
0–100 km/h	s	4.8
Top speed	km/h	180