

9. Technical specifications.



BMW R 1200 GS		
Engine		
Capacity	cc	1,170
Bore/stroke	mm	101/73
Output	kW/bhp	92/125
at engine speed	rpm	7700
Torque	Nm	125
at engine speed	rpm	6500
Type	air/water-cooled 2-cylinder boxer engine	
No. of cylinders	2	
Compression/fuel	12.5:1 / Premium unleaded (95 RON)	
Valve actuation	DOHC	
Valves per cylinder	4	
Ø Intake/outlet	mm	40/34
Ø Throttle valve	mm	52
Carburetion	BMS-X	
Emission control	Closed-loop 3-way catalytic converter	
Electrical system		
Alternator	W	620
Battery	VAh	12/12 maintenance-free
Headlight	W	H7 / LED (SA)
Starter	kW	0.9
Power transmission - gearbox		
Clutch	Anti-hopping wet clutch	
Gearbox	Constant mesh 6-speed gearbox	
Primary ratio	1.65	
Transmission ratios	I	2.438
	II	1.714
	III	1.296
	IV	1.059
	V	0.943
	VI	0.848
Rear wheel drive	cardan shaft	
Transmission ratio	2.91	
Chassis		
Frame construction type	Tubular steel bridge frame, engine self-supporting	
Suspension, front	BMW Telelever	
Suspension, rear	BMW EVO Paralever	
Spring travel, front/rear	mm	190/200
Wheel castor	mm	99.6
Wheelbase	mm	1507
Steering head angle	°	64.5
Brakes	front	Hydraulically actuated twin disc brake, Ø 305 mm
	rear	Single-disc brake Ø 276 mm
	BMW Motorrad Integral ABS (standard, part intergal, disengageable)	

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Wheels		Light alloy cast wheel
	front	3.0 x 19"
	rear	4.5 x 17"
Tyres	front	120/70 R19
	rear	170/60 R17

Dimensions and weights

Total length	mm	2207
Total width with mirrors	mm	953
Seat height	mm	850/870
DIN unladen weight, ready for road	kg	238
Permitted total weight	kg	450
Fuel tank capacity	l	20

Performance figures

Fuel consumption		
90km/h	l/100km	4.1
120km/h	l/100km	5.5

Acceleration

0-100km/h	s	3.6
Maximum speed	km/h	>200