

## 8. Technical specifications.



R 1300 RS		
Engine		
Capacity	cc	1,300
Bore/stroke	mm	106.5 x 73
Output	kW/hp	107/145
at engine speed	rpm	7,750
Torque	Nm	149
at engine speed	rpm	6,500
Type	Air/liquid-cooled 2-cylinder 4-stroke boxer engine with two overhead, chain-driven camshafts, a counterbalance shaft and variable intake camshaft control system BMW ShiftCam	
Compression		13.3:1
Fuel		Premium unleaded 95 RON
Valves per cylinder		4
Ø intake/outlet	mm	44/35.6
Ø throttle valve	mm	52
Engine control		BMS-O
Emission control	Closed-loop three-way catalytic converter, exhaust standard EU-5+	
Electrical system		
Generator	W	650
Battery	V/Ah	12/10
Headlamp		LED
Rear light		LED brake light/rear light
Starter	W	900
Power transmission		
Clutch	Wet clutch with anti-hopping function, hydraulically activated	
Gearbox	Constant mesh 6-speed gearbox	
Primary ratio		1.479
Gear transmission ratios	I	2.438
	II	1.714
	III	1.296
	IV	1.059
	V	0.906
	VI	0.794
Secondary drive		Cardan
Secondary ratio		2.818

**Chassis**

Frame construction type	Two-section frame concept consisting of main frame with bolt-on rear frame, load-bearing engine	
Front wheel control	Upside-down telescopic fork. Ø 47 mm	
Rear wheel control	Cast aluminium single-sided swinging arm with BMW Motorrad EVO Paralever, WAD (optional equipment: DSA or sport suspension)	
Spring travel, front/rear	mm	140/130
Wheel castor	mm	122.5
Wheelbase	mm	1,523
Steering head angle	°	62
Brakes	front	Twin disc brake, floating brake discs, Ø 310 mm, 4-piston radial brake callipers
	rear	Single disc brake, Ø 285 mm, 2-piston floating calliper
ABS	Standard equipment BMW Motorrad Integral ABS Pro (full integral, lean angle optimised)	
Wheels	Light alloy cast wheels	
	front	“ 3.50 x 17”
	rear	6.00 x 17”
Tyres	front	120/70 ZR 17
	rear	190/55 ZR 17

**Dimensions and weights**

Total length	mm	2,138
Total width incl. weight of handlebars + mirrors	mm	846
Seat height	mm	790/815
DIN unladen weight, road ready	kg	245
Permitted total weight	kg	460
Fuel tank capacity	l	17

**Performance figures**

Fuel consumption (WMTC)	l/100 km	4.8
CO <sub>2</sub>	g/km	110
Acceleration 0-100 km/h	s	3.2
Top speed	km/h	>200