

## 8. Technical specifications.



R 1300 RT		
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	12/12,5
Headlight		LED
Rear light		LED brake/rear light
Starter	W	900
Power transmission		
Clutch	Wet clutch with anti-hopping function, hydraulically activated	
Transmission	Claw-shift 6-speed transmission	
Primary ratio		1.479
Transmission ratios	I	2.438
	II	1.714
	III	1.296
	IV	1.059
	V	0.906
	VI	0.794
Secondary drive		Propeller shaft
Secondary ratio		2.818

**Chassis**

Frame construction type	Two-part frame concept consisting of main frame and rear frame bolted to it, engine co-supporting		
Front wheel suspension	BMW Motorrad EVO Telelever		
Rear wheel suspension	Cast aluminium single-sided swinging arm with BMW Motorrad EVO Paralever, WAD (optional equipment: DCA)		
Spring travel, front/rear	mm	149/158	
Wheel castor	mm	115	
Wheelbase	mm	1.500	
Steering head angle	°	64	
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	2,229
Total width incl. handlebar weight + mirrors	mm	971
Seat height	mm	780/860
DIN unladen weight, road ready	kg	281
Permitted total weight	kg	510
Fuel tank capacity	l	24

**Performance figures**

Fuel consumption (WMTC)	l/100 km	4.9
CO2	g/km	113
Acceleration 0-100 km/h	s	3.6
Top speed	km/h	>200