8. Technical specifications

		BMW S 1000 XR	
Engine		Binn o root Ar	
Capacity	CC	999	
Bore/stroke	mm	80/49.7	
Output	kW/hp	121/165	
at engine speed	rpm	11000	
Torque	Nm	114	
at engine speed	rpm	9250	
Туре		Water-cooled in-line 4-cylinder engine	
Compression/fuel	12.5:1	12.5:1 / premium (super plus) unleaded petrol, octane number 95-98 (RON) (knock control; rated output with 98 RON)	
Valve/accelerator actuation		DOHC (double overhead camshaft Valve activation via individual rocker arms	
Valves per cylinder		4	
Ø intake/outlet	mm	33.5/27.2	
Throttle valve diameter	mm	48	
Engine control		BMS-O	
Emission control		Closed-loop three-way catalytic converter	
Electrical system			
Alternator	W	493	
Battery	V/Ah	12/9, maintenance-free	
Headlamp	W	LED low beam twin headlamp with projection module	
		LED high beam with projection module	
Starter	kW	0.8	
Power transmission – gearbox			
Clutch		Self-reinforcing multi-plate anti-hopping wet clutch mechanically activated	
Gearbox		Constant mesh 6-speed gearbox	
Primary ratio		1.652	
Transmission ratios I		2.647	
		2.091	
.		1.727	
IV.		1.476	
V		1.304	
VI.		1.167	
Rear wheel drive		Chain	
Secondary ratio		(2.647)	
Suspension			
Frame construction type		Aluminium composite bridge frame, self-supporting engine	
Front wheel control	Ups	Upside-down telescopic fork, slide tube diameter 45 mm, Dynamic ESA, damping electronically adjustable	
Rear wheel control	Alumin	ium underslung double-sided swinging arm with central spring strut,	
		Dynamic ESA, damping electronically adjustable	
Spring travel, front/rear	mm	150/150	
Wheel castor	mm	116	
Wheelbase	mm	1 552	
Steering head angle	0	65.1	

		BMW S 1000 XR
Brakes	Front	Twin disc brake, floating, Ø 320 mm, radial 4-piston fixed calipers
	Rear	Single-disc brake, Ø 220 mm, single-piston floating caliper
ABS		BMW Motorrad ABS Pro (part integral)
Traction control		BMW Motorrad DTC
Wheels		Standard: Die-cast aluminium wheels Aluminium forged wheels optionally available
	Front	3.50 x 17"
	Rear	6.00 x 17"
Tyres	Front	120/70 ZR17
	Rear	190/55 ZR17
Dimensions and weights		
Total length	mm	2 3 3 3
Total width with mirrors	mm	850
Seat height	mm	840
DIN unladen weight, road ready, ful fuelled	y kg	Standard: 226
Permitted total weight	kg	450
Fuel tank capacity	I	20
Performance figures		
Fuel consumption (WMTC) 1/100 km		(6.2)
CO2	g/km	144
Acceleration 0-100 km/h	S	(3.3)
Top speed	km/h	200