

6 Technical specifications.



BMW R nineT Scrambler		
Engine		
Capacity	cc	1 170
Bore/stroke	mm	101/73
Output	kW/hp	81/110
at engine speed	rpm	7 750
Torque	Nm	116
at engine speed	rpm	6 000
Type	air/oil-cooled 2-cylinder boxer engine	
No. of cylinders	2	
Compression/fuel	12.0:1 / premium unleaded (95-98 RON)	
Valve/accelerator actuation	DOHC	
Valves per cylinder	4	
Ø intake/outlet	mm	39/33
Ø Throttle valves	mm	50
Engine control	BMS-MP	
Emission control	closed-loop 3-way catalytic converter	
Electrical system		
Alternator	W	720
Battery	V/Ah	12/14 maintenance-free
Headlight	W	60/55 H4
Starter	kW	1.2
Power transmission - gearbox		
Clutch	Hydraulically activated dry clutch	
Gearbox	constant-mesh 6-speed gearbox	
Primary ratio	1.737	
Transmission ratios	I	2.375
	II	1.696
	III	1.296
	IV	1.065
	V	0.939
	VI	0.848
Rear wheel drive	Universal shaft	
Transmission ratio	2.91	
Suspension		
Frame construction type	Tubular space frame in steel, engine self-supporting	
Front wheel suspension	Telescopic fork, Ø 43mm	
Rear wheel suspension	BMW Paralever	
Total spring travel, front/rear	mm	125/140
Wheel castor	mm	110.6
Wheelbase	mm	1 527
Steering head angle	°	61.5
Brakes	front	Hydraulically activated twin disc brake, Ø 320 mm
	rear	Single-disc brake Ø 265 mm
ABS	BMW Motorrad ABS	

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Wheels	Aluminium cast wheel	
	front	3.0 x 19"
	rear	4.5 x 17"
Tyres	front	120/70 ZR19
	rear	170/60 ZR17
Dimensions and weights		
Total length	mm	2 175
Total width with mirrors	mm	880
Seat height	mm	820
DIN unladen weight, road ready	kg	220
Permitted total weight	kg	430
Fuel tank capacity	l	17
Performance figures		
Fuel consumption (WMTC)	l/100 km	5.3
0–100 km/h	s	3.6
Top speed	km/h	200