

# Phil Hawksley's BM Bikes

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## BMW R1200C Avantgarde Specifications

<b>Start of Production</b>	<b>1999</b>
<b>End of Production</b>	<b>N/A</b>
<b>Numbers Produced</b>	<b>N/A</b>
<b>Price (2003) UK £</b>	<b>8,795</b>



### Engine

Motor Type	Air / Oil cooled 2 cylinder 4 stroke Boxer engine, one camshaft and four valves per cylinder
Bore x Stroke	101 x 73 mm (3.97 x 2.87 in)
Displacement	1170 cc
Max Power	61 bhp (45 KW) at 5,000 rpm
Max Torque	98 Nm / 72 ft lb at 3,000 rpm
Compression Ratio	10.0 : 1
Mixture Control / Engine Management	Electronic intake pipe injection/digital engine management: Bosch Motronic MA 2.4 with overrun fuel cut off
Emission Control	Closed loop 3 way catalytic converter

### Power Transmission

Clutch	Single disc dry clutch, hydraulically operated
Gearbox	Constant mesh 5 speed gearbox (overdrive)
Drive	Shaft Drive

### Electrical System

Alternator	700 W three phase alternator
Battery	12V / 19 Ah

### Chassis

Type of Frame	Three section composite frame consisting of front & rear section, load bearing engine
Front wheel suspension	BMW Motorrad Telelever; stanchion diameter 35 mm, central strut
Rear wheel suspension	Die cast aluminium single sided swinging arm with BMW Motorrad Monolever; central strut, spring pre-load mechanically adjustable

Travel Front/Rear Wheels	144 / 100 mm (5.66 / 3.93 in) Cross spoke wheels
Wheel Rims, Front	2.50 x 18
Wheel Rims, Rear	4.00 x 15
Tyres, Front	100 / 90-ZR 18
Tyres, Rear	170 / 80-ZR 15
Brakes, Front	Dual disc brakes, floating brake discs, diameter 305 mm / 12 in, 4 piston fixed caliper
Brakes, Rear	Single disc floating brake 285 mm / 11.22 in diameter, double piston floating caliper
ABS	Special equipment BMW Motorrad ABS

### **Dimensions/Weights**

Length x Width x Height	2340 x 1050 x 1130 mm (92.12 x 41.33 x 44.48 in)
Seat Height	740 mm / 29.13 in
Wheel Base	1650 mm / 64.96 in
Castor (in Normal Position)	86 mm / 3.38 in
Steering Head Angle (in Normal Position)	60.5 degrees
Fuel Tank Useable Volume	17.5 litres / 3.84 gal / 4.62 gal US
Reserve	4.0 litres / 0.87 gal / 1.05 gal US
Unladen Weight with Full Tank	256 Kg / 563 lb
Dry Weight	236 Kg / 519 lb
Max. Permissible Weight	450 Kg / 991 lb
Payload (with Standard Equipment)	194 Kg / 427 lb
Fuel Consumption over 100 Km @ constant 90 Kph	4.8 litres / 58 mpg / 49 mpg US
Fuel Consumption over 100 Km @ constant 120 Kph	5.9 litres / 47 mpg / 39 mpg US
Fuel Type	Unleaded Premium minimum octane rating 95 (RON)