

# Phil Hawksley's BM Bikes

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## BMW R100T Specifications

<b>Start of Production</b>	<b>1978</b>
<b>End of Production</b>	<b>1980</b>
<b>Numbers Produced</b>	<b>5,463</b>
<b>Price</b>	<b>9,290 DM</b>



### Engine

Motor Type	Four-stroke two cylinder horizontally opposed "Boxer" engine, air cooled
Bore x Stroke	94 x 70.6 mm (3.70 x 2.78 in)
Displacement	980 cc
Max Power	65 hp (47 KW) at 6,600 rpm
Max Torque	77 Nm / 56 ft lb at 5,500 rpm
Compression Ratio	9.5 : 1
Valves Per Cylinder	2
Valve Control	OHV, using push rod and rocker arm
Carburation System	2 constant depression carburetors, Bing
Engine Lubricating System	94/40/103 - 94/40/104 Wet sump

### Power Transmission

Clutch	Dry single plate, with lever action diaphragm spring
Number of Gears	5
Gear Selection	Dog type gearbox (ratchet foot lever)
Gearbox Ratios	4.4 / 2.86 / 2.07 / 1.67 / 1.50 : 1 (Optional sport version: 3.38 / 2.43 / 1.93 / 1.67 / 1.50
Rear Wheel Ratio	1: 3.0 or 1 : 2.91
Bevel/Crownwheel	11 / 33 teeth or 11 / 32 teeth

### Electrical System

Ignition System	Battery ignition
Alternator	Bosch 240 W
Starter	Bosch 0.7 Kw
Spark Plugs	Bosch W 225 T 30 / Beru 230/14/3 A / Champion N6Y

### Chassis

Type of Frame	Double loop tubular frame with bolt on rear section
Front wheel suspension	Telescopic fork with hydraulic shock absorber
Rear wheel suspension	Long swinging arm with adjustable strut
Spring Travel Front/Rear	200 / 125 mm (7.87 x 4.92 in)
Wheel Rims, Front	1.85 B 19
Wheel Rims, Rear	2.15 B 18
Tyres, Front	3.25 H 19
Tyres, Rear	4.00 H 18
Brakes, Front	Dual disc brake 260 mm / 10.23 in diameter. ATE 1 piston caliper
Brakes, Rear	Simplex drum brake 200 mm / 7.87 in diameter

### **Dimensions/Weights**

Length x Width x Height	2210 x 746 x 1080 mm (87 x 29.37 x 42.51 in)
Wheel Base	1465 mm / 57.67 in
Fuel Tank Capacity	24 litres / 5.27 gal / 6.34 gal US
Unladen Weight with Full Tank	215 Kg / 473 lb
Max. Permissible Weight	398 Kg / 876 lb
Ground Clearance	165 mm / 6.49 in
Seat Height (Unladen)	810 mm (31.9 inches)
Fuel Consumption (at constant 90 Kph)	5.75 litres 100 Km / 49 mpg / 40 mpg US
Top Speed	195 Kph / 121 mph
Acceleration 0 - 100 Kph / 62 mph	4.7 seconds