

Phil Hawksley's BM Bikes

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BMW R11 Series 4 Specifications

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|----------------------------|---------------------------|
| Start of Production | 1933 |
| End of Production | 1934 |
| Number Produced: | 7,500 (All Series) |
| Price: | 1.630 RM |



Engine

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|---------------------------|--|
| Internal Designation | M 56 S 4 |
| Motor Type | Four Stroke two cylinder flat twin |
| Bore x Stroke | 78 x 78 mm (3.07 x 3.07 in) |
| Displacement | 745 cc |
| Maximum Power | 18 hp at 3,400 rpm |
| Compression Ratio | 5.5 : 1 |
| Valves | Side Valve |
| Carburation System | Single carburettor type SUM CK 3/500 F 1 |
| Engine Lubricating System | Forced Feed Lubrication |
| Oil Pump | Gear Pump |

Power Transmission

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|--------------------|----------------------------------|
| Clutch | Two plate dry clutch |
| Number of Gears | 3 |
| Gear Shift | Manual/tank shifting gate |
| Gearbox Ratios | 2.83 / 1.55 / 1.08 |
| Rear Wheel Ratio | 1 : 4.07 (1 : 4.75 with sidecar) |
| Bevel / Crownwheel | 14 / 57 (12 / 57 with sidecar) |

Electrical System

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|-----------------|--|
| Ignition System | Magneto ignition |
| Generator | Bosch Magneto generator D2L BL or Magneto Ignition FF2 |
| Spark Plugs | Bosch W 175 T1 |

Chassis

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|------------------|-------------------------------|
| Designation | F 66 S 4 |
| Frame | Twin loop pressed steel frame |
| Front Suspension | Plate spring, 9 laminae |
| Rear Suspension | Rigid |
| Wheel Rims | 26 x 3.5 safety rims |

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|--------------|--|
| Front Tyre | 26 x 3.5 low pressure or 26 x 3.25 high pressure |
| Rear Tyre | 26 x 3.5 low pressure or 26 x 3.25 high pressure |
| Front Brakes | Drum brake 200 mm / 7.87 in diameter |
| Rear Brake | Cardan brake, 55 mm / 2.16 in width |

Dimensions/Weights

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|-------------------------------------|--|
| Length x Width x Height | 2100 x 890 x 940 mm (82.67 x 35.03 x 37 in) |
| Wheel Base | 1380 mm / 54.33 in |
| Fuel Tank Capacity | 14 litres / 3.07 gal / 3.69 gal US |
| Unladen Weight with full tank | 162 kg / 356 lb |
| Load Rating | 210 kg / 462 lb |
| Fuel Consumption per 100 kilometres | 4 - 4.5 litres approx / 70 - 62 mpg / 58 - 52 mpg US |
| Oil Consumption | 1 - 2 litres per 1,000 kilometres |
| Top Speed | 95 - 100 kph / 59 - 62 mph |