

Phil Hawksley's BM Bikes

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BMW R69S Specifications

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|----------------------------|-----------------|
| Start of Production | 1960 |
| End of Production | 1969 |
| Numbers Produced | 11,317 |
| Price | 4,030 DM |



Engine

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|---------------------------|---|
| Internal Designation | 268/3 |
| Motor Type | Four-stroke two cylinder flat twin |
| Bore x Stroke | 72 x 73 mm (2.83 x 2.87 in) |
| Displacement | 594 cc |
| Max Power | 42 hp at 7,000 rpm |
| Compression Ratio | 9.5 : 1 |
| Valves | OHV |
| Carburation System | 2 x carburettor, Type Bing 1/26/75 - 1/26/76 or 1/26/91 - 1/26/92 |
| Engine Lubricating System | Forced feed lubrication |
| Oil Pump | Gear pump |

Power Transmission

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|------------------|---|
| Clutch | Single plate, saucer spring, dry |
| Number of Gears | 4 |
| Shifting | Foot shifting |
| Gearbox Ratios | 4.17 / 2.73 / 1.94 / 1.54 |
| Rear Wheel Ratio | 1 : 3.375 or 1 : 3.13 (with sidecar 1 : 4.33) |
| Bevel/Crownwheel | 8/25 or 8/27 teeth (with sidecar 6 / 26) |

Electrical System

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|-----------------|-------------------------------|
| Ignition System | Magneto ignition |
| Generator | Bosch LJ/CGE 60/6/1700 R |
| Spark Plugs | Bosch W 260 T1 or Beru 260/14 |

Chassis

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|------------------------|---|
| Designation | 245/2 |
| Frame | Double loop steel tubular frame |
| Front wheel suspension | Long swing arm with suspension units and oil pressure shock absorbers |
| Rear wheel suspension | Long swing arm with suspension units |

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|---------------|--|
| Wheel rims | and oil pressure shock absorbers Deep bed 2.15B x 18 (with sidecar, rear 2.75C x 18) |
| Tyres, Front | 3.5 x 18 S |
| Tyres, Rear | 4 x 18 S |
| Brakes, Front | Drum brake 200 mm / 7.87 in diameter duplex full hub |
| Brakes, Rear | Drum brake 200 mm / 7.87 in diameter simplex full hub |

Dimensions/Weights

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|-------------------------------|--|
| Length x Width x Height | 2125 x 722 x 980 mm (83.66 x 28.42 x 38.58 in) |
| Wheel Base | 1415 mm / 55.70 in (with original sidecar 1450 mm / 57.08 in) |
| Fuel Tank Capacity | 17 litres / 3.73 gal / 4.49 gal US |
| Unladen Weight with Full Tank | 202 Kg / 444lb (with original sidecar 324 Kg / 713 lb) |
| Idle/Riding Noise | 84/82 DIN phon (from 13/9/1966: 78/84 dB(A)) |
| Load Rating | 360 Kg / 792 lb (with original sidecar 600 Kg / 1321 lb) |
| Fuel Consumption | 5.3 litres 100 Km approx / 53 mpg / 44 mpg US |
| Oil Consumption | 0.5 - 1 litres per 1,000 Km approx. |
| Top Speed | 175 Kph / 108 mph |