

# BMW R 50/2

BMW Group  
Mobile Tradition



The Ultimate  
Riding Machine

|                               |                                         |                                                                       |
|-------------------------------|-----------------------------------------|-----------------------------------------------------------------------|
| <b>Engine</b>                 | Begin of the Production                 | 1960                                                                  |
|                               | End of the Production                   | 1969                                                                  |
|                               | Internal Designation                    | 252/2                                                                 |
|                               | Motor Type                              | four-stroke two-cylinder flat-twin                                    |
|                               | Bore                                    | 68 mm                                                                 |
|                               | Stroke                                  | 68 mm                                                                 |
|                               | Displacement                            | 494 ccm                                                               |
|                               | Max Power                               | 26 hp                                                                 |
|                               | Rpm (Max Power)                         | 5800 rpm                                                              |
|                               | Compression Ratio                       | 7.5:1                                                                 |
|                               | Valves                                  | ohv                                                                   |
| <b>Power transmission</b>     | Carburetion System                      | 2 x carb. type Bing 1/24/45 - 46 or 1/24/131 - 132 or 1/24/149 - 150  |
|                               | Engine Lubricating System               | forced-feed lubrication                                               |
|                               | Oil Pump                                | gear pump                                                             |
|                               | Clutch                                  | single plate saucer spring, dry                                       |
|                               | Number of Gears                         | 4                                                                     |
|                               | Shifting                                | foot shifting                                                         |
|                               | Gearbox Ratios                          | 4.17/2.73/1.94/1.54 (with sidecar: 5.33/3.02/2.04/ 1.54)              |
| <b>Electrical system</b>      | Rear Wheel Ratio                        | 1:3.18 (with sidecar 1:4.25 or 1:4.33)                                |
|                               | Bevel/Crownwheel                        | 11/35 teeth (with sidecar 8/34 or 6:26)                               |
|                               | Generator                               | Bosch LJ/CGE 60/6/1700 R                                              |
| <b>Chassis</b>                | Ignition System                         | magneto ignition                                                      |
|                               | Spark Plugs                             | Bosch W 240 T1 or Beru 240/14                                         |
| <b>Dimensions and weights</b> | Designation                             | 245/1                                                                 |
|                               | Frame                                   | double loop steel tubular frame                                       |
|                               | Front Wheel Suspension                  | long arm swing with suspension units and oil-pressure shock absorbers |
|                               | Rear Wheel Suspension                   | long arm swing with suspension units and oil-pressure shock absorbers |
|                               | Wheel Rims                              | deep-bed 3 x 18 (with sidecar, rear 2.75C x 18)                       |
|                               | Tyres front                             | 3.5 x 18                                                              |
|                               | Tyres rear                              | 3.5 x 18 (with sidecar, 4 x 18)                                       |
|                               | Brakes front                            | drum brake Ø 200 mm duplex full hub                                   |
|                               | Brakes rear                             | drum brake Ø 200 mm simplex full hub                                  |
|                               | Length                                  | 2125 mm                                                               |
|                               | Width                                   | 660 mm                                                                |
|                               | Height                                  | 980 mm                                                                |
|                               | Wheel Base                              | 1415 mm (with original sidecar 1450 mm)                               |
|                               | Fuel Tank Capacity                      | 17 l                                                                  |
|                               | Unladen Weight, Full Tank               | 195 kg (with original sidecar 320 kg )                                |
|                               | Load Rating                             | 360 kg (with original sidecar 600 kg )                                |
|                               | Idle/Riding Noise                       | 82/76 phon (from June 1967: 72 dB(A), 84 dB(A))                       |
| Fuel Consumption              | approx. 5,1 l/100 km                    |                                                                       |
| Oil Consumption               | approx. 0,5 - 1 l/1000 km               |                                                                       |
| Top Speed                     | 140 kph (with original sidecar 100 kph) |                                                                       |
| Numbers Produced              | 19.036                                  |                                                                       |
| Price                         | 3.130,- DM                              |                                                                       |