



Based upon
experience
followed
by success:
BMW
Motorcycles





One of the last adventurers of our time is the motorcycle driver. When others are leisurely travelling in comfortable cars, he braces himself against the wind with tingling senses and experiences the soaring feeling of speed and perfect control over his machine while seeing all the beauty of nature. BMW—trade mark of world champions.

Bayerische Motoren Werke AG München



BMW R27

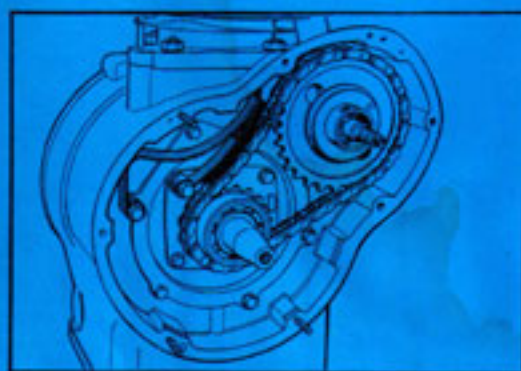
250 ccm/18 HP

BMW R 27
Horsepower/revolutions: 18/7,400 p.m.
Maximum torque 1.85 mkg.
Displacement 247 ccm.
Bore and stroke 68 x 68 mm.
Compression ratio 8.2:1
Final drive ratio solo 4.5:1
or optionally 4.16:1
with sidecar 5.2:1
Average miles per gallon: 72 (Imp. gal.)
60 (US gal.)

Fuel tank capacity: 3½ (Imp. gal.)
4 (US gal.)
Maximum speed solo 61 m.p.h.
Total weight 357 lbs.
Overall width 26"
Overall length 82"
Saddle height 30"



With her 18 HP, the popular BMW R 27 with its full-swing frame is not only a qualified solo machine for touring and sport but also a perfect sidecar motorcycle. Supreme driving comfort is attained through full-swing arm suspension with shock absorbers on front and rear wheel. The handlebar, saddle and footrests of this one cylinder machine are vibration-free thanks to the floating engine. A chain tightener in the camshaft prevents vibration of chain and guarantees prolonged life. A powerful, yet smooth machine for men with the zest for motorcycling.



Chain tightener of the R 27

BMW R50

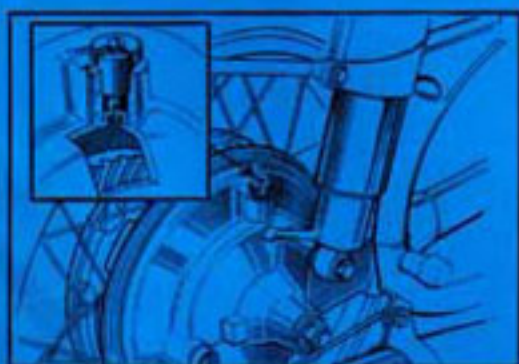
500 ccm/26 HP

BMW R 50
Horsepower/revolutions: 26/5,800 p.m.
SAE horsepower 30
Maximum torque 3.5 mkg.
Displacement 494 ccm.
Bore and stroke 68 x 68 mm.
Compression ratio 7.5:1
Final drive ratio solo 3.13:1
or optionally 4.16:1
with sidecar 4.33:1
Average miles per gallon: 55 (Imp. gal.)
46 (US gal.)

Fuel tank capacity: 3½ (Imp. gal.)
4 (US gal.)
Serial lighting equipment 6 V/60-90 W
Lighting equipment for police and other service
12 V/100-150 W
Maximum speed solo 87 m.p.h.
Total weight solo 430 lbs.
Overall width 26"
Overall length 84"
Saddle height 28½"



Varying road-surface and traffic conditions on the highways of the world impose extreme stress on a fast and high-powered motorcycle. Basic requirements are: supreme roadability and roadholding capacity, high driving comfort, acceleration capacity far above the average. Another "must" are most efficient brakes. All these demands are met by the BMW R 50 in an ideal manner: perfect roadholding and steering control through first-class wheel suspension and through rear springs that are adjustable for solo or sidecar use, as well as through race-proved, sensitive brakes. A newly developed ventilating system keeps the rear transmission case clean—as with any BMW twin-cylinder machine. A tachometer and sidecar can be attached to any BMW two cylinder motorcycle.



Ventilating system of rear transmission case used with all BMW twin-cylinder machines

BMW R60

600 ccm/30 HP

BMW R 60

Horsepower/revolutions: 30/5,800 p.m.

SAE horsepower 34

Maximum torque 4.2 mkg.

Displacement 594 ccm.

Bore and stroke 72 x 73 mm.

Compression ratio 7.5:1

Final drive ratio solo 3.13:1

for sidecar 3.86:1

Average miles per gallon:

56 (Imp. gal.) 47 (US gal.) solo

43 (Imp. gal.) 36 (US gal.) sidecar

Fuel tank capacity: 3 $\frac{3}{4}$ (Imp. gal.)

4 $\frac{1}{2}$ (US gal.)

Serial lighting equipment 6 V/60-90 W

Lighting equipment for police and other service

12 V/100-150 W

Maximum speed

90 m.p.h. solo, 69 m.p.h. with sidecar

Total weight 436 lbs.

Overall width 26"

Overall length 84"

Saddle height 28 $\frac{1}{2}$ "



The full-swing frame BMW R 60 is outfitted with the 600 ccm horizontally opposed twin-cylinder engine whose smoother flexibility provides wonderful get-away even when used with the sidecar. This motorcycle with optional sidecar specification is usually preferred by sidecar users, among them police, postal and customs authorities, forestry departments and, last not least, those welcome highway patrols of the various automobile clubs, all of whom are enthusiastic about the reliability of the BMW R 60.



Rear wheel drive and suspension of all BMW twin-cylinder engines



The BMW R 60 as sidecar motorcycle

BMW R69S

600 ccm/42 HP

BMW R 69 S
Horsepower/revolutions: 42/7,000 p.m.
SAE horsepower 48
Maximum torque 4.45 mkg.
Displacement 594 ccm.
Bore and stroke 72 x 73 mm.
Compression ratio 9.5:1
Final drive ratio 3.13:1
Average miles per gallon: 53 (Imp. gal.)
44 (US gal.)
Fuel tank capacity: 3 $\frac{3}{4}$ (Imp. gal.)
4 $\frac{1}{2}$ (US gal.)

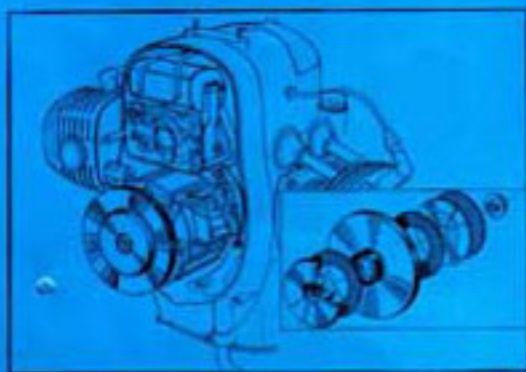
Serial lighting equipment 6 V/60-90 W
Lighting equipment for police and other service
12 V/100-150 W
Maximum speed 110 m.p.h.
Total weight 445 lbs.
Overall width 29"
Overall length 84"
Saddle height 28 $\frac{1}{2}$ "



This fastest German machine—of royal standard indeed—represents the topline of BMW motorcycle production. These are the specifications of this truly magnificent model: 42 HP — 110 m.p.h. top speed, 600 ccm horizontally opposed twin-cylinder engine. Its road-holding capacity and trackholding are said to be unmatched. Further advantages of this unusual motorcycle are a hydraulically operated vibration damper on the crankshaft and steering dampers to assure your safety on the road. The superbly synchronized suspension of the BMW full-swing frame and the high engine capacity explain the R 69 S' admirable driving characteristics.



Front suspension and steering dampers



Vibration damper on the crankshaft