



Based upon  
experience  
followed  
by success:  
BMW  
Motorcycles



# BMW R27

## 250 ccm/18 HP

### BMW R 27

Horsepower/revolutions: 18/7,400 r.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 81 m.p.h.

Total weight 357 lbs.

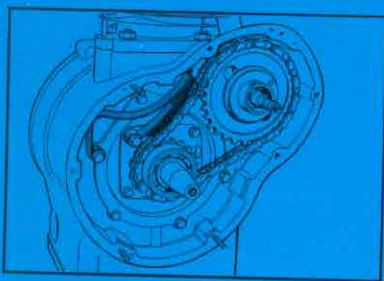
Overall width 26"

Overall length 82"

Saddle height 30"



With her 18 HP, the popular BMW R 27 with 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

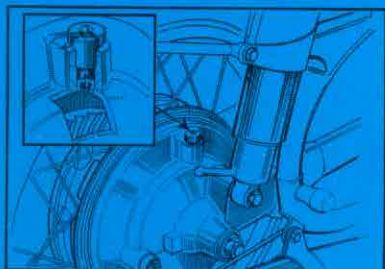
## 500 ccm/26 HP

BMW R 50  
Horsepower/revolutions: 26/5,800 r.p.m.  
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 R 60

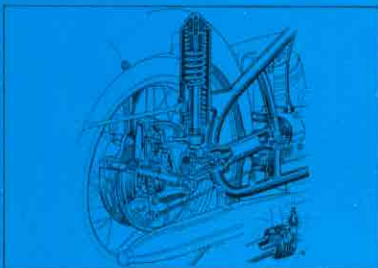
## 600 ccm/30 HP

BMW R 60  
Horsepower/revolutions: 30/5,800 r.p.m.  
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

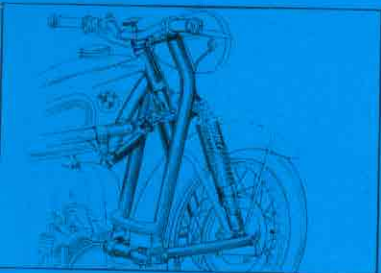
## 600 ccm/42 HP

BMW R 69 S  
Horsepower/revolutions: 42/7,000 r.p.m.  
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: 3¾ (Imp. gal.)  
4½ (US gal.)

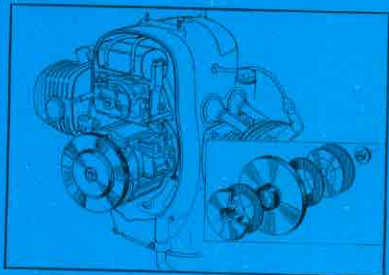
Serial lighting equipment 6 V/60-90 W  
Lighting equipment for police and other service  
12 V/100-150 W  
Maximum speed 110 m.p.h.  
Total weight 445 lbs.  
Overall width 29"  
Overall length 84"  
Saddle height 28½"



**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 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

It is now forty years that BMW laid the foundations of German motorcycle constructing by featuring the horizontally opposed twin-cylinder engine, unit-built with the transmission, as well as the shaft drive and the welded double-tube frame.

Since that time, the black machines with the white and blue insignia have



#### **Followed by success . . .**

Success is tradition with BMW.

Success with the public and, naturally, in sport events.

BMW—12 times world champion in the sidecar class since 1954

BMW, 1961, 1962 and 1963 German champion of cross-country races for heavy-duty sidecar machines

BMW 1961 and 1963 German cross-country champion of heavy-duty solo machines

and if you did not yet know:

BMW is the world's fastest sidecar machine with a top speed of 175 m.p.h. (280 km/h)

BMW is holding since years 27 motorcycle world records.





become a symbol of progress and experience, of ingenious engineering and top-grade workmanship, of ruggedness and unmatched driving comfort all over the world. Innumerable trophies are promise and proof that BMW will stand any test in rough every-day service and on longdistance rides.







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

