

The ultimate honing of a the new BMV

Over the course of the last 50 years, BMW has consistently and methodically developed a singular motorcycle concept, a concept designed to create dynamic, efficient, high-performance machines which will be safe under all conditions, handle responsively, and be super-comfortable.

Starting with this basic concept about what a motorcycle should be, the entire BMW line has been reexamined and technical changes have been made based on our ultimate engineering goal: to enhance those features that contribute to the joy of riding, and to eliminate anything that would detract from it.

motorcycles BMW has ever developed, by fitting the entire line with the sporty, which is to say the finest lineup of motorcycles ever developed-period.

In the front of this evolutionary program are 3 new motorcycles with new 1000 cc engines. Following the logic of our 50 year motorcycle concept, these new engines have increased torque at lower RPM's. The result is outstanding power, acceleration, and response. Proving once again the practical superiority of the BMW flat twin concept.

Another important change in the new motorcycle program has been the revamping of the entire line to resemble the former top-of-the-line

handsome S-type gas tank and fenders.

BMW R 60/7, R 75/7

These models have been changed. and improved, through a multitude of fine detail modifications. For example: a new large 6.3 gallon gas tank has been fitted, complete with flush-mounted special safety lockable gas cap. For example: redesigned cylinder heads, and specially-contoured footpegs. For example: perforated disc brakes have been added to the R 60/7. The revamped 600 cc and 750 cc engines retain their well-known high performance and super torque charac-



cuccessful design concept: motorcycles.

particular attention has been paid to noise levels and their control.

BMW R 100/7

This model is the direct descendant of the R 90/6. Its 1000 cc engine has stronger performance and a noticeably wider torque curve. This results in improved acceleration as well as faster throttle response. These new 1000 cc engines run smooth, with a minimum of vibration.

BMW R 100 S

The engine of this model, which is the logical successor to the R 90 S, has been designed to deliver even

more torque and quicker response, at lower engine speeds. The new constant velocity carburetors of the R 100 S – in contrast to slide carburetors – have not only better environmental and economical characteristics, but also faster response. This model features the sports fairing with built-in instruments, and comes in its own brilliant color.

BMW R 100 RS

This new flagship of the BMW motorcycle line is indeed revolutionary. The futuristic, frame-mounted Integral Cockpit Fairing has been especially developed to create a new level in riding pleasure. The sum total

of its aerodynamic design results in improved roadholding and handling, and improved rider comfort under all conditions. The performance of the engine is that of a true sports motorcycle, though this power has been gained without losing the typical BMW engine characteristics of flexibility and strong low-end torque. The end result is a machine that, with its completely unique Integral Cockpit Fairing and its exceptionally powerful engine, creates an image and impact that is impressive beyond words.

To sum it all up: for the rider who wants the best, it is not a question of whether to buy a BMW. But a question of which model.



The future of BMW I

The engine

The new 1000 cc engines evolved from BMWs most extensive test program on roads and race tracks. An engine incorporating the experiences gained in long distance racing.

The singular torque characteristics of the new BMW 1000 cc engines are the basis for a superior riding experience. Many motorcycles have great



power ratings "on paper": the BMW R 100 RS shows its mettle where it counts – on the road.

The features

A newly styled sports-type soloseat (comfortable dual seat and passenger footrests optionally available). A matte-black rear fender and battery covers. Mag-Wheels are available as an option at extra cost. These styling features also add to the sporty flair of the BMW R 100 RS.

The frame-suspension unit

The unique roadability of BMW motorcycles comes from an extremely strong cradle frame and an optimal suspension system with superior springing and damping. It is so sensitive that

it reacts to little ripples of the road, and the long 8" travel is so well tuned that it eats up the potholes.

The rear drive

During its 50-year history, BMW has developed the shaft drive concept for large motorcycles to its ultimate perfection. Today, more and more competitors are coming to recognize this superior concept. Imitation is the highest form of flattery.



Aerodynamically perfect fairings attuned to the overall design are used in severe long distance racing tests. They are not only responsible for improved performance of the motorcycle but equally for the physical endurance of the rider. Since they

The R 100 RS features a sports-type handlebar with safety padding, a hydraulic steering damper, and dual horns.

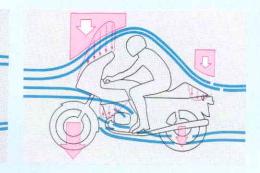
two wheels: 100 RS

prevent the wind from buffeting on the handlebars, the arms and the body, they make better and safer riding at high speeds possible.

The advantages: Improved ability of the rider to react, improved endurance and thereby better riding performance. This is even important on regular roads and at comparatively low speeds. BMW is the first motorcycle

manufacturer to serially produce a completely matched cockpit fairing. It was planned as part and parcel of the overall design, developed after intensive aerodynamic research, styled and engineered to its last detail.

Wide ranging wind tunnel tests were used to develop the optimal shape. Systematic airflow and spoiler construction made it possible to in-





crease front wheel road holding. Thus stability and straight line roadability are superior.

The BMW Integral Cockpit Fairing adds new emphasis to the superior road performance of BMW motorcycles. Over and above that: safer, longer, and more relaxed travel adds to the fun of motorcycle riding. The controlled airflow reduces wind resis-

tance and, as an added benefit, eliminates cold drafts on the rider's back.

In extensive research on racing cars and BMW automobiles aerodynamic assists such as spoilers have been developed and utilized. With the BMW Integral Cockpit Fairing this advantage has now been incorporated in motorcycle design – a long step into the future.



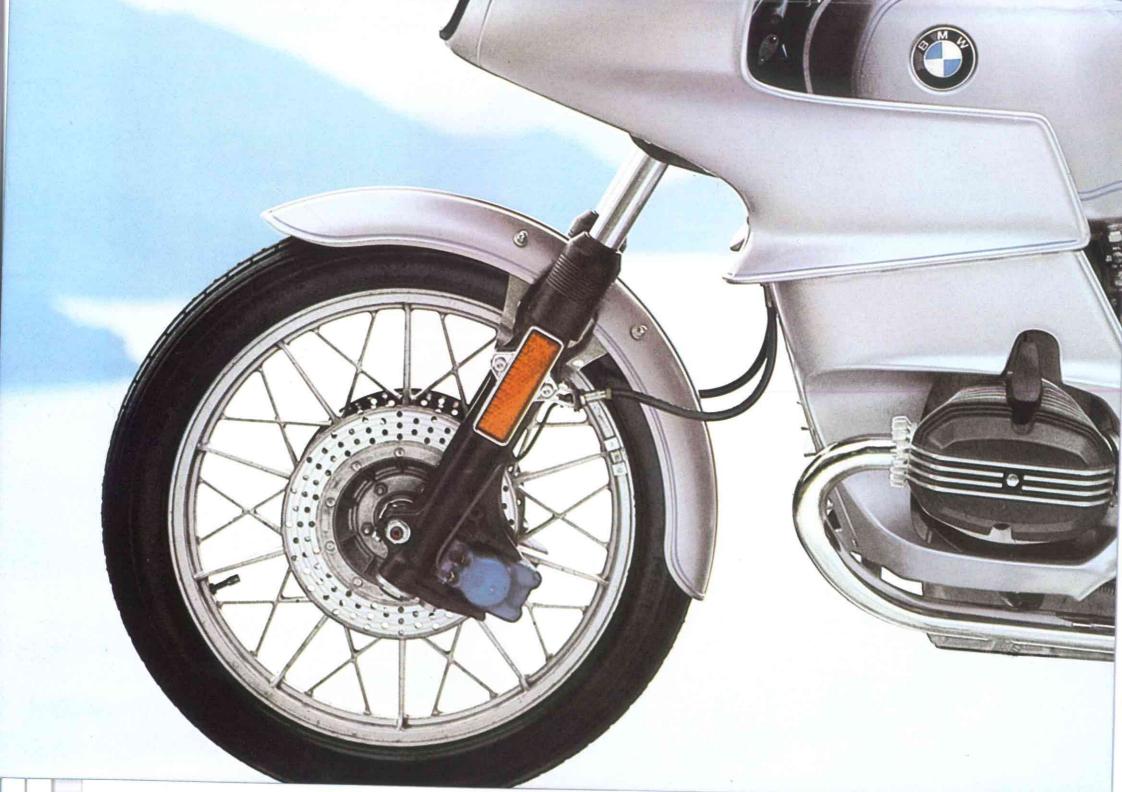
Crash-tested, impact proof, flush, lockable gas cap. Tank capacity 6.3 Gals.

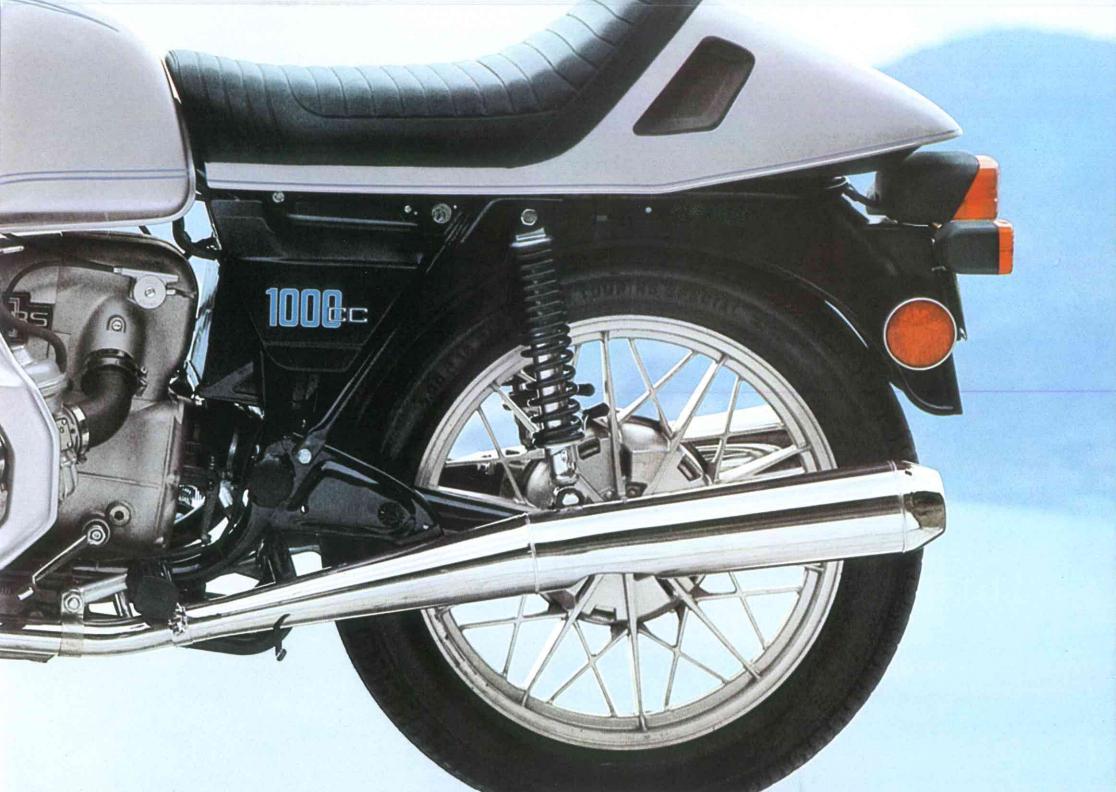
Newly formed adjustable footrests add to the riding comfort.

Newly styled and designed valve covers with improved heat dissipation.

Below the ergonomically formed sportstype seat two sealed storage compartments can be found.







Technical Data

R 100 RS	R 100 S	R 100/7	R 75/7	R 60/7
Weight and Dimension			SACRESCA STORY	
Overall height (unladen)	Overall height (unladen)	se 1465 mm (57.7"), ground clearance Overall height (unladen)	e 165 mm (6.5")	
1300 mm (51.2") Seat height (unladen) 820 mm (32.3	1210 mm (47.6") 3")	1080 mm (42.5") Seat height (unladen) 810 mm (31.8	3")	
Dry weight 462.9 lbs. Curb wt./fully serviced 507.0 lbs. GVWR permissible total wt. 881 lbs. GAWR/gross axle wt. ratio 396 lbs. front, 619 lbs. rear	Dry weight 440.9 lbs. Curb wt./fully serviced 485.0 lbs. GVWR permissible total wt. 881 lbs GAWR/gross axle wt. ratio 396 lbs. front, 619 lbs. rear	Dry weight 429.9 lbs. Curb wt./fully serviced 474.0 lbs.		
Tank capacity: 24 l. (6.3 gal.) incl. 4.	I I I CONTRACTOR I	390 lbs. Holic, 619 lbs. feat		
Engine				
Air cooled, 2 cylinder, 4 stroke, hor Engine capacity, 980 cc	izontally - opposed twin light alloy (unit with optimal heat dissipation	Terreno de la companya del companya de la companya del companya de la companya de	Testing and
Bore: 94 mm, stroke: 70.6 mm		Total Control Williams (Control Control Contro	Engine capacity: 745 cc Bore: 82 mm, stroke: 70.6 mm	Engine capacity: 599 cc Bore: 70.5 mm, stroke: 70.6 mm
Compression ratio 9.5:1 Bing constant velocity carburetor	Compression ratio 9.5:1	Compression ratio 9.0 : 1	Compression ratio 9.0 : 1	Compression ratio 9.2:1 Bing slide carburetor
Type V94, 40 mm diameter		Type V64, 32 mm diameter		Type V53, 26 mm diameter
Micronic air filter 12 Volt, 250 Watt, 3-phase alternato	,		12 Volt, 280 Watt, 3-phase alterna	tor
Battery: 12 Volt, 28 Ah				
Power Train				
Single plate, dry clutch with diaphra	am spring			
5 speed transmission				
Transmission ratio: 1: gear 4.40:1; 2 Final drive ratio: 2.91:1	gear 2.86: 1; 3: gear 2.09: 1; 4: gea Final drive ratio: 2.91: 1	r 1.67: 1; 5; gear 1.50: 1 Final drive ratio: 3.0: 1	Final drive ratio: 3.36:1	Final drive ratio: 3.56:1
E E E E E E E E E E E E E E E E E E E		oline coupling, ring and pinion gear wi		i mai unive ratio. 3.30 . i
Frame and Suspensio	n			
Double tube cradle frame with oval		3" travel, quick removable front wheel		A December of Contract
Rear suspension: Swing arm mount	led in tapered roller bearings, progr	essive spring loaded shocks, with trip	land axle, tapered roller bearings in s le adjustment, 5" travel and quick rer	novable rear wheel and axle
Brakes				
Front brake: Perforated double disc 10.2" diameter	brake with floating calipers,	Front brake: Perforated single disc	brake with floating caliper, 10.2" diam	meter
Rear brake: Finned alloy hub, diame				
Straight spoke wheels with alloy rin Front rim size: 1,85 B x 19"	ns and finned alloy hub			
Rear rim size: 2,15 B x 18" Front tire: 3,25 H x 19" Bias tires w	380 N.C.		Front tire: 3,25 S x 19" Bias tires	
Rear tire: 4,00 H x 18"		Rear tire: 4,00 S x 18" Bias tires with tube		
Performance and Con	The second secon		ar Campbook Philips	
Top speed in excess of 100 mph Acceleration	Top speed in excess of 100 mph	Top speed in excess of 100 mph	Top speed in excess of 100 mph	Top speed in excess of 100 mph
from 0-100 km/h (62 mph) in 4.6 sec.	from 0-100 km/h (62 mph) in 4.7 sec.	from 0-100 km/h (62 mph) in 5.1 sec.	from 0-100 km/h (62 mph) in 6.6 sec.	from 0-100 km/h (62 mph) in 7 6 sec.
from 0-400 m (1312 ft) in 13.3 sec.	from 0-400 m (1312 ft) in 13.3 sec.	from 0-400 m (1312 ft) in 13.6 sec.	from 0-400 m (1312 ft) in 14.8 sec.	from 0-400 m (1312 ft)
from 0-1000 m (3280 ft) in 25.3 sec.	from 0-1000 m (3280 ft) in 25.3 sec.	from 0-1000 m (3280 ft) in 26 0 sec.	from 0-1000 m (3280 ft) in 28.1 sec.	in 15.6 sec from 0-1000 m (3280 ft)
Fuel consumption in excess of 40 n	AVAISAS POST (STATE)	101 2010 300	111 20,1 366,	in 29.7 sec.
Equipment		VI. (6) (1) (1) (1)		
Locks are common keyed for ignition		THE PERSON AS	400 100 100 100 100 100 100 100 100 100	
Frame mounted "RS" integral cockpit fairing with clock and voltmeter. Safety padded	Handle bar mounted "S" cockpit with clock and voltmeter			
steering head and handle bars.				
steering head and handle bars. Speedometer with trip odometer, ta controls, handle bar and foot rests, Dual horn, hydraulic steering	chometer, pressure molded polyes tool box with complete set of tools, Single horn	ter fenders, halogen 7 inch headlight, air pump and owners handbook	corrosion free sport tank with lockat	ole flush filler cap, adjustable hand
steering head and handle bars. Speedometer with trip odometer, ta controls, handle bar and foot rests,	sool box with complete set of tools. Single horn	ter fenders, halogen 7 inch headlight, air pump and owners handbook Lockable dual seat with glove com		ole flush filler cap, adjustable hand
steering head and handle bars. Speedometer with trip odometer, ta controls, handle bar and foot rests, Dual horn, hydraulic steering damper adjustable Sport solo seat (optional dual seat) with 2 glove compartments (lockable)	tool box with complete set of tools. Single horn Dual sport seat with 2 glove compartments, lockable	air pump and owners handbook		ole flush filler cap, adjustable hand
steering head and handle bars. Speedometer with trip odometer, ta controls, handle bar and foot rests. Dual horn, hydraulic steering damper adjustable Sport solo seat (optional dual seat) with 2 glove compartments (lockable) Optional Extras at extra (Kick starter; hazard warning light; c Mag type wheels with turbo	tool box with complete set of tools. Single horn Dual sport seat with 2 glove compartments, lockable.	air pump and owners handbook	partment	
steering head and handle bars. Speedometer with trip odometer, to controls, handle bar and foot rests, Dual horn, hydraulic steering damper adjustable Sport solo seat (optional dual seat) with 2 glove compartments (lockable) Optional Extras at extra c Kick starter; hazard warning light; c Mag type wheels with turbo ventilated rear brake hub Front mag type wheels: 1,85 B x 19"	tool box with complete set of tools. Single horn Dual sport seat with 2 glove compartments, lockable. cost ylinder safety bars; saddle bags with	air pump and owners handbook Lockable dual seat with glove com	partment	
steering head and handle bars. Speedometer with trip odometer, ta controls, handle bar and foot rests, Dual horn, hydraulic steering damper adjustable Sport solo seat (optional dual seat) with 2 glove compartments (lockable) Optional Extras at extra a kick starter; hazard warning light; c Mag type wheels with turbo ventilated rear brake hub Front mag type wheels: 1,85 B x 19" Rear mag type wheels: 2,50 B x 18"	tool box with complete set of tools. Single horn Dual sport seat with 2 glove compartments, lockable cost ylinder safety bars; saddle bags with bual horns, steering damper	air pump and owners handbook Lockable dual seat with glove com the brackets; rear fender flap; oil coole	partment r; heavy duty springs and shock abso	orber
steering head and handle bars. Speedometer with trip odometer, to controls, handle bar and foot rests, Dual horn, hydraulic steering damper adjustable Sport solo seat (optional dual seat) with 2 glove compartments (lockable) Optional Extras at extra of Kick starter; hazard warning light; c Mag type wheels with turbo ventilated rear brake hub Front mag type wheels: 1,85 B x 19"	tool box with complete set of tools. Single horn Dual sport seat with 2 glove compartments, lockable cost ylinder safety bars; saddle bags with bual horns, steering damper	Lockable dual seat with glove com the brackets; rear fender flap; oil coole Dual front disc brakes; "S" cockpit low handlebars; windshield "Touring"	partment r; heavy duty springs and shock abso	voltmeter, voltmeter; electric clock saddle bags.



