

BMW holds the absolute world's record with 174 miles per hour

BMW Motor Cycles won in 1938

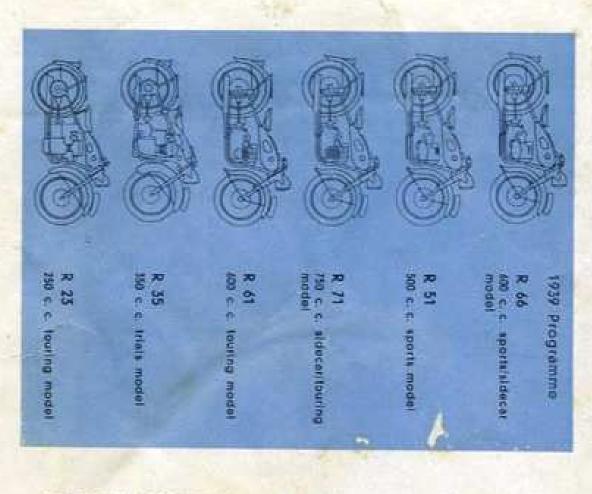
European Grand Prix
German Grand Prix
Dutch Grand Prix
Belgian Grand Prix
Srand Prix of Bucarest
Ulster Grand Prix
Italian Grand Prix
European Championship
German Road Championship
Championship of Holland,
Yougoslavia, Brazil and Guatemala
International 6-days Silver Cup

telescopic front forks and

Unprecedented Success in Competition wheel suspension Telescopic rear

Aurouf

.. and now production!



In addition to telescopic front forks,

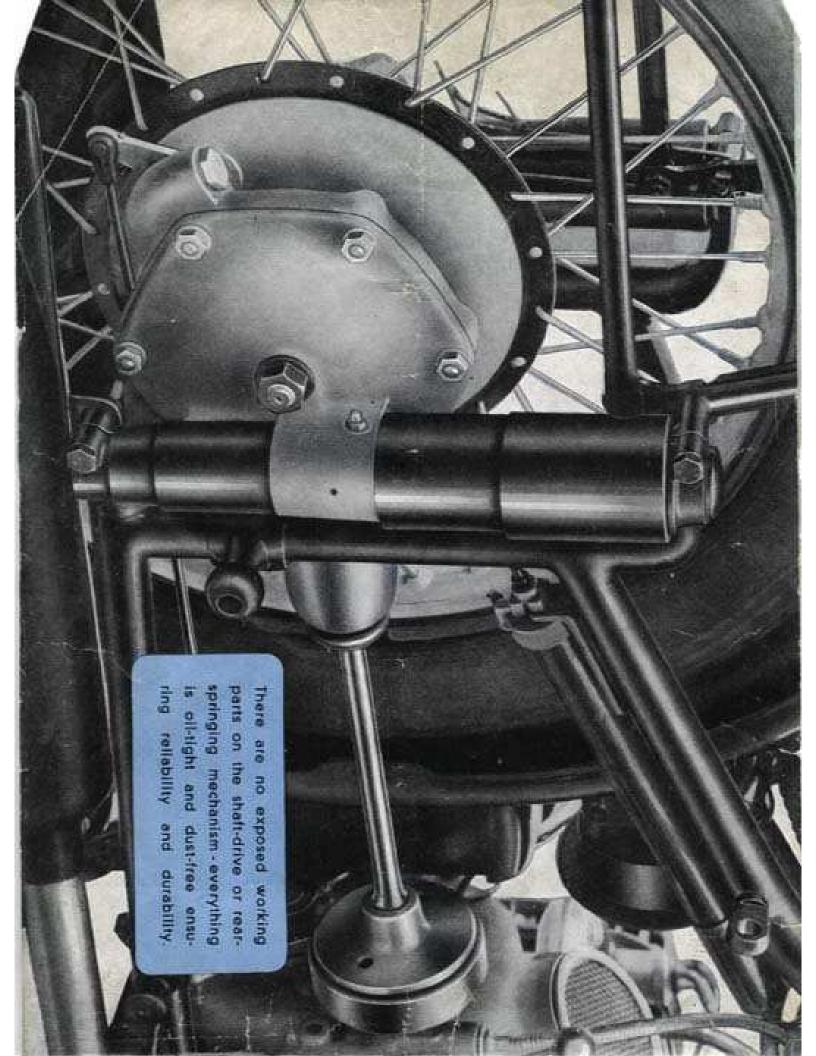
BMW Motor Cycles

are being equipped as standard with

telescopic rear-wheel springing

by the fact that still more designers are beginning to lies: Simple and clean unit-construction of engine and telescopic front forks, which give such ideal springing, the performance and reliability of these machines, but features of design are right is confirmed, not only by an added feature to the basis on which BMW design put to the acid test of trials and road-racing. This is the telescopic rear-wheel suspension which has been comfort. BMW, pioneers of design, added to the ted to an endeavour to improve the road-holding and But development went a stage faither, and was devothe amazing performance in 1957 of Ernst Henne in putcesses in the most important races and trials, and by sport, both for speed and reliability - proved by suc-BMW has held supremacy in the field of motor-cycle follow these principles. gear-box, shaft-drive, and duplex frame. That these ting up the World Speed Record to 174 miles an hour Thus has BMW reached the goal of perfection in the realms of motor-cycle design. For some years past

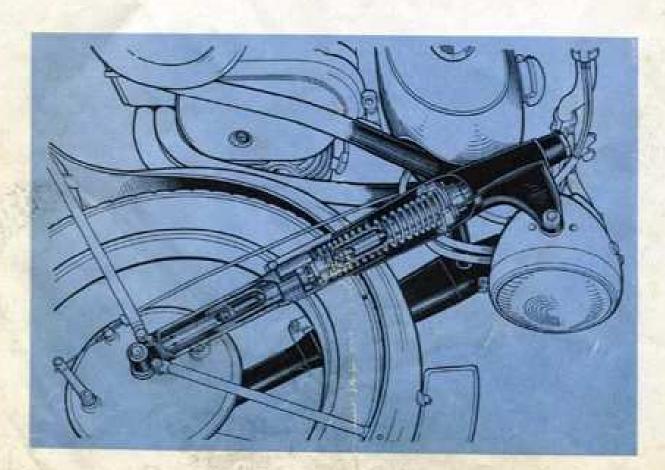
HE RIDES BEST WHO RIDES BMW.

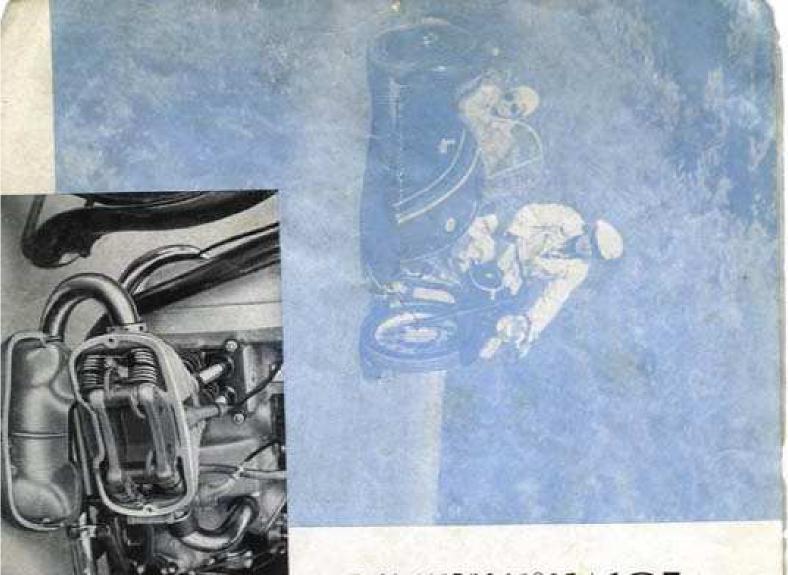


The completely sprung motor-cycle

was an ideal in search of which many years of thought and experiment have passed. Step by step BMW have been progressing towards this ideal which they have finally reached with their production as standard of machines telescopically sprung not only as regards the front wheel, but also as regards the rear wheel.

ted - all BMW machines have really quickly-detachable suring accurate movement. The great advantage of rear wheels through the medium of their "pull-out" removal of the rear wheel is not in any way obstrucspringing requires little extra attention, and the venting waste of engine power. The BMW rear-wheel fort and reliability provided, but further in the vastly a sprung rear wheel lies not only in the greater comenclosed in tubular guides built into the frame, enand-bevel, is attached to, and floats on, the springs fork is now brought to perfection by the addition of absorbers. These forks require no special improved adhesion of the rear wheel to the road pre-The rear wheel, complete with cardan shaft and crown-The new BMW TELESCOPIC REAR-WHEEL SUSPENSION nance. The already fine suspension provided by this the movement is controlled by built-in hydraulic shockshalls which are completely oil- and dust-light, and all the firm's models. The springs are enclosed in tork forks which a few years ago were standardised on ties of BMW machines lies in the telescopic front The basic reason for the wonderful road-holding qualimainte-





R 66-600 c. c. sports/sidecar mode 30 Brake H.P.

with telescopic front and rear suspension

car purposes, it was a happy thought which led to which would provide a vivid performance with a sideof this powerful 600 c. c. machine for sporting or sidethe past years, created the idea for the development sure under really arduous conditions. car. This is a machine which will give real riding plea-The R 5, the most successful solo sports machine of

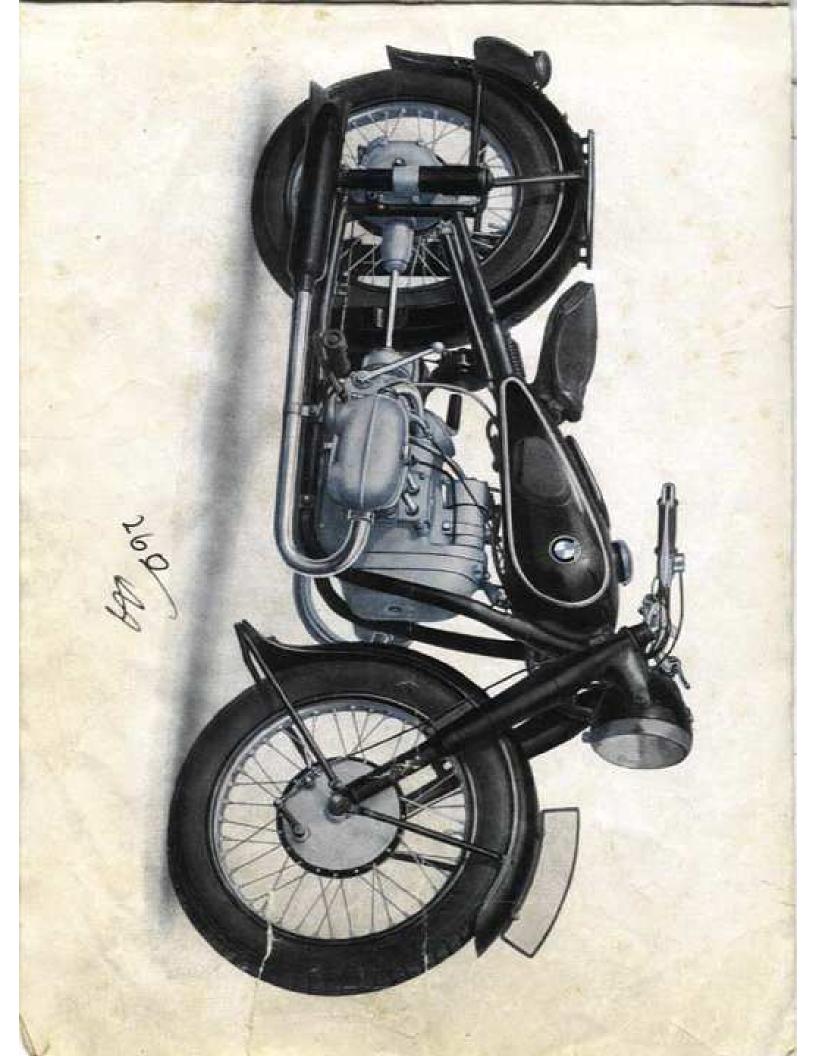
Internal expanding brakes. Adjustable handlebars, Steering damper, Twist grip throttle control. Handlebar ignition control. 6-Volt 75-Watt Bosch lighting equipment and horn. Speedometer built into head-lamp. Thiel proof handlebar lock. quick action filler-cap, knee-grips, and enclosed tool-box. Quicklyspringing. Adjustable subber-top saddle. Graceful saddletank with Frame: Duplex cradia trame. Telescopic front and rear-wheel detachable and interchangeable wheels with pull-out axies. Large

Engine: Horizontally-opposed twin-cylinder four-stroke engine developing 30 brake-horse power. Clean one-piece crankcase

butor and coll. Twin Amel carburetters with joint air-filter let into the gearbox housing. Single valve mechanism. Overhead valves with hairpin cylinder heads with large cooling area. Enclosed springs. Ball-bearing crankshaft Steel connec-ting-road with roller-bearing big-end. Cam driven by pinion direct from crankshaft Enclosed distri-Enclosed, but accessible, dynamo. Aluminium plate dry clutch.

gency hand lever. Combined hand and fool levers can be supplied at slight extra cost. Reliable, water-light, shaft-drive to the real wheel with flexible universal joints and helical Transmission: Four-speed sliding dog geer-box built in a unit with the engine Built-in dusttight positive-stop foot change lever with emercut goats.

See also the page "BMW Technical Data"





R 51-500 c. c. sports model (24 Brake H. P.)

with telescopic front and rear suspension

Racing and trials have shown the capabilities of this machine. In 1937 the Dutch and in 1938 the German team relied on this model for the Six Days' Trial, and their choice was proved correct when they won the hotly contested Silver Vase Trophy. The 1938 road champions of Yougoslavia, Brazil and Guatemala owe their titles to this machine. Anybody who must put up high averages over long journeys, who delights in riding for sport, and who demands all that modern technique has to offer, cannot, in the long run, be without the R 51.

Frame: Duplex cradie frame, Telescopic front, and rear-wheel springing Adjustable rubber-top saddle, Graceful saddle-tank with quick-action files-cap, knee grips, and enclosed tool-box. Quickly-detachable, interchangeable wheels with pull-out axies, targe internal-expanding brakes. Adjustable handlebars. Steering damper Twist grip throttle control. Handlebar ignition control. 6-Your Speedometer built into head-tamp. Thief-proof handlebar lock.

hand lever. Combined hand and foot levers can be supplied at slight extra cost. Reliable, water built in a unit with the engine. Built-in dust tight positive stop foot change lever with emergency universal joints and helical cut gears. light, shaft-drive to the rear-wheel with flexible Transmission: Four-speed sliding-dog gear-box the gear box housing. Dry, single-plate clutch tection for coil and distributor. Twin Amai can buretters with common air filter built-in with driven cams direct from crankshaft. Full prosprings. Steel connecting rod with roller, beaaccessible. Aluminium cylinder-head with stroke engine developing 24 horse-power. Clear mechanism. cooling properties. Complete enclosure of valve one piece Engine: Horizontally-opposed twin-cylinder four big-end. Ball-bearing crankshaft. Chain Dverhead valves Crankcase Dynamo enclosed yel ¥ 3 Dallion 9000

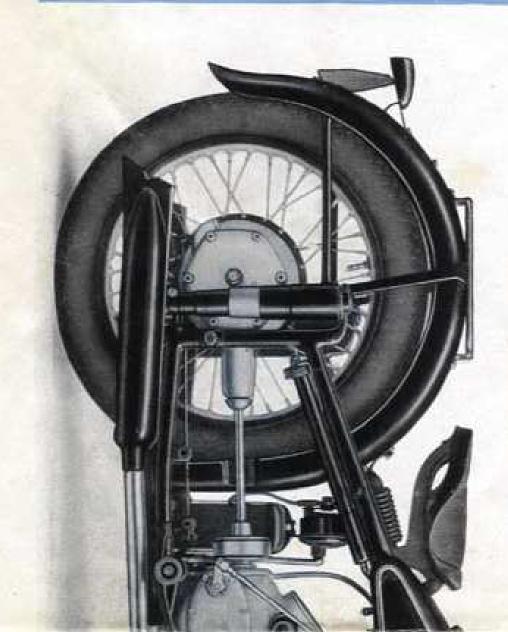
See also the page "BMW Technical Dain"



R 71-750 c.c. sidecar touring model (22 Brake H.P.)

with telescopic front and rear

with confidence that it will handle which a sidecar can be attached present model follows the genemance and of the R12 in a sound and logical the heaviest loads. greater comfort comes with power. Also, it is a machine to gear-box. This machine, also, has machines in the series, and name for itself for good performanner. The latter model made a reliability, and great reserve of ry, on account of its stability, ing to work in the roughest counadjustable saddle, and four-speed the R 71 is a further development ype of machine for every sort o line performance. It is the idea eavy duty from extensive tou-Il lines of other twin-cylinde rear-wheel springing, for reliability. The



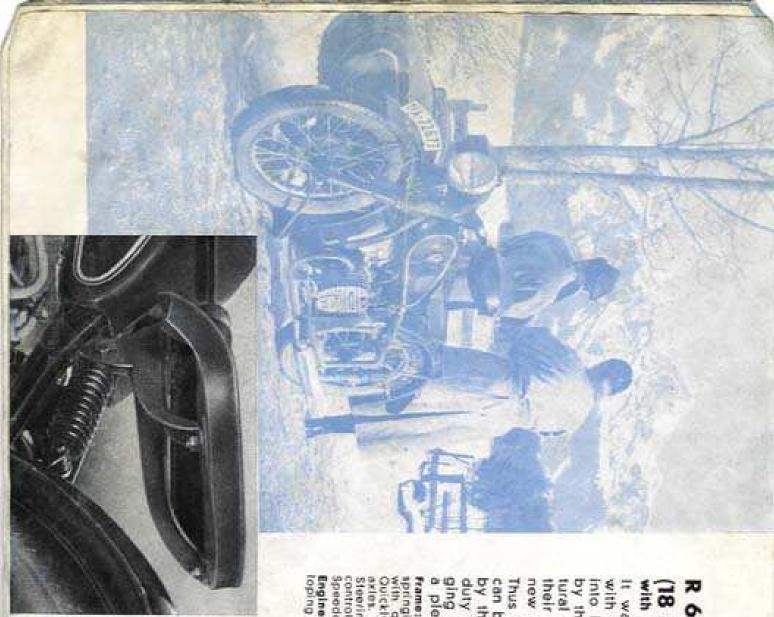


Frame: Duplex cradle frame Telescopic front: and rear-wheel springing. Adjustable subbest-top saddle Graceful saddle-tank with quick action fillet-cap, kneedings, and enclosed tool-box. Outckly detachable and interchangeable wheels with pull-out exies, Large internal-expanding brakes. Adjustable handlebert. Steering damper Twist grip throttle control, Handlebert gritten control, e-Volt 15 watt Bosch lighting equipment and horn. Speedometer built into head lamp. Thief-proof handleber lock.

Enginer Horizontally-opposed twin-cylinder four-stroke developing 22 brake harro
power. Clean one-piece crankcase. Dynamo enclosed but accessible. Castiron cylinder with heavy linning and
detachable aluminium cylinder-head with
good cooling properties. Side by-side
valves completely enclosed, Ball bearing
crankshaft. Steel connecting rod with
roller-bearing big and Gear driven cam
wheel direct from crankshaft. Distributor
and coil fully protected Twin carburetters with common all-filter in gear-box
housing. Dry one piate district.

transmission: Four-speed sliding-dog gear-box built in a unit with the engine. Built-in dust-tight positive stop foot change lever with emergency hand lever combined hand and foot levers can be supplied at slight extra cost. Reliable, water light, shaft-drive to the rear-wheel with flexible universal joints and halical cut gears.

Sea also the page "BMW Technical Data".



R 61-600 c.c. touring model (18 Brake H.P.)

with telescopic front and rear suspension

It was only natural that the model R 6, so popular with the tourist and sidecar driver, should be brought into line with the rest of the twin-cylinder machines by the fitting of the rear-wheel springing. Just as natural was it that all those features which had proved their worth in the R 6 should be embodied in this new model.

Thus the R 61 is a powerful, untiring machine, which can be used for the longest journeys, solo or sidecar, by the most inexpert of riders. It will perform every duty in a faultless manner, and with its luxurious springing and quiet running it makes the longest journey a pleasure.

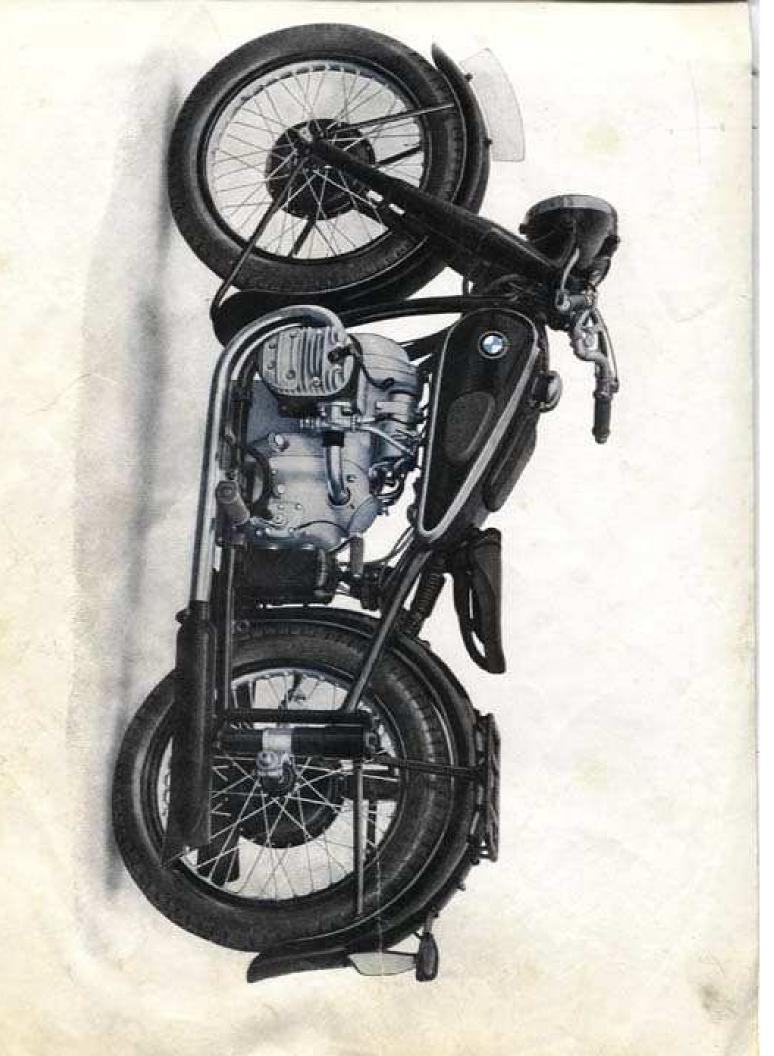
Frame: Duplex credite frame. Telescopic front- and rear-wheel springing. Adjustable rubbe-top saddie. Graceful saddie-tank with quick-action filler-cap, knee-grips, and enclosed tool-box. Culckly-detachable and interchangeable wheels with pull-out axies. Large internal-expanding brakes. Adjustable handlebars steering damper Twist-grip throttle control. Handlebar ignition control. 6-Yort 75 watt Bosch lighting equipment and horn. Speedometer built into head-lamp. Thief-proof handlebar lock.

Engine: Horizontally-opposed twin-cylinder four-stroke developing 18 brake horse power. Clean one-piece crank-case.

g 18 brake horse power. Clean one-piece crank-case. Dynamo enclosed but accessible. Cast-iron cylinder with heavy finning and detachable auminium cylinder-head with good cooling properties. Side by-side valves completely enclosed. Balt-bearing crank shaft. Sized connecting node with roller-bearing biggered. Gear driven cam wheel direct from crankshaft bistributor and coil fully protected Twin carburetters with common air-titler in gear-box housing. Dry one-piate clutch.

Transmission: Four-speed sliding-dog gear-box built in a unit with the engine. Built-in dust-tight positive-stop foot change lever with emergency hand lever. Combined hand and foot levers can be supplied at slight extra cost Reliable water-tight, shaft-drive to the rear-wheel with flexible universal joints and helical cut gears.

See also the page "BMW Technical Data."





R 35-350 c. c. trials model (14 Brake H. P.)

with telescopic front forks

This model has more than proved its worth in reliability trials, in long journeys, and in very heavy duty in
the service of various civil authorities. It is proved to
be reliable, robust, and still exceptionally easy to
handle. A machine built to withstand the rigours of
service in the roughest kind of land it

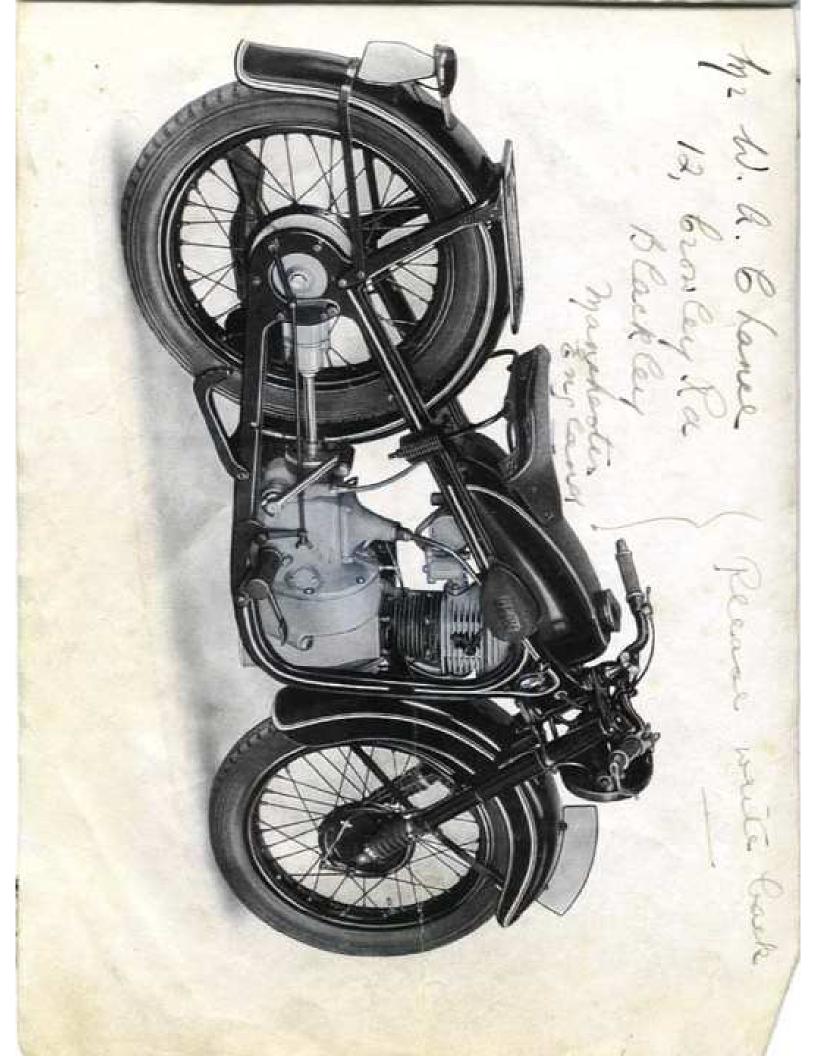
service in the roughest kind of land it has a very favourable petrol consumption of 80.90 miles per gallon and is, therefore, also a utility machine for ordinary purposes.

Large speedometer filled in headlamp. d-Voit 75 Watt Bosch lighting table, handlebars, internal expanding brakes knee-grips. Quickly detachable entitupes bas Frame: Torsion-free triangulated duplex pressed 0.0000 saddle-tank front forks with fully protected working parts 100 frame. wheels with pull-out exies. with quick-action Smooth and efficient telescopic no special attention. Steering damper. Twist-grip Comfortable, adjusignition Time! set and born and interchan 260 Powerful Gracelu control and

Engine: Vertical single-cylinder four-stroke engine developing 14 brake horse-power. Overhead valves set in an aluminium cylinder head with good cooling properties. Completely enclosed valve mochanism. Ball-bearing crankshaft. Steel connecting-rod with roller-bearing big-end. Iriple jet carburatter with air-filter. Reliable dry single-plate clutch.

Transmission: Robust four-speed sliding dog gearbox with tankside gate change. Tool-box and kick-starter built into gear-box housing. Powerful weather-proof shall drive with lexible couplings. An indestructible transmission requiring the minimum of attention.

See also the page of "BMW Technical Data".





R 23-250 c. c. lightweight model (10 Brake H. P.)

with telescopic front fork and foot gear change

Interproved version of the well-known 200 c. c. machine. The increased output permits of better acceleration and of carrying a passenger on the pillion seat. With its attractive lines and the telescopic front forks it is bound to make many more friends - especially as on the engine and transmission are as carefully protected from dust as with the big models. It is for longer ready for pottering about town - as it is for longer journeys or for holiday tours. Its great virtues lie in the very easy handling and low fuel consumption. Small in size - but big in the usual BMW valuel sation and completely oil-light requiring no special attention action and completely oil-light requiring no special attention actions. Both wheels

Frame: Duplex-cradle frame. Telescopic front forks with smooth action and completely oil-light, requiring no special attention, action and completely oil-light, requiring no special attention. Saddle tank of graceful form embodying tool-box. Both wheels equipped with pull-out axies and large internal-expanding brakes. Comfortable, adjustable hand-lebert. Steering-damper. Twist-grip throttle control. Handleber Ignition lever. 6-Volt 75-Watt Bosch lighting set and horn. Speedometer incor-

Engine: Single-cylinder four stroke engine deveioping 10 brake horse-power Heavily-finned aluminium cylinder head. Overhead valves with complete enclosure of operating mechanism. Ball-bearing crankshall. Steel connecting-rod with roller-bearing big-end Amai carburetter with alr-titler. Dry single-plate ciutch.

transmission: Robust three-speed sliding-dog gearbox built in a unit with the engine. Post-live foot-change. Weather-proof, indestructible shatt-drive completely protected from diff. Shock-absorbing shatt couplings.

See also the page of "BMW Technical Dala".



BMW Technical Data

tools and pillion seat)		The state of	Saddle height		Tyre Sizes	Oll	Petrol: solo	S S	Tank capacity	sidecar	Axie ratio:		third	ponom	Gear-box ratios:	Carbureller	Lighting set	Compression ratio	Bore and Stroke	Cubic capacity	Revs. per min.	
41115 lbs.	haust pipe		28%	32"	5		63 m.p.g.		3 Galls	4,38:1	36.1	1,3:1	-	278.1		2 Amel	6-V/75 Watt	6,8:1	69.8×78mm	597 c.c.	5400	R 66/30 B.H.P.
400% ibs.	haust pipe	577	28 X **	32"	× 3.5"	3	72 m.p.g.		3 Galls.	4,62	3.89-1	1,3:1	1,7:1	278-1		2 Amai	6-V75 Watt	6,7:1	68×68mm	494 C.C.	5400	R 51/24 B.H.P.
411% Ibs.	haust pipe	5//	28%"	32"	5	8	os m.p.g.		3 Galls.	3,89:1	3.6:1	1,3:1	17:1	228:1		2 Graetzin	6-V/75 Wall	5.7:1	78 x 78 mm	745 c.c.	4600	R71/22B,H.P.
405 lbs.	haust pipe		28 %	52	CH.	2800 m p.g.	72-84 m.p.g.		3 Galls.	4,62:1	3.59:1	1,3:1	17:1	2 28 1		2 Amai	6-V75 Wall	-	70 x 78 mm	500 c.c.	4600	R61/188.H.P.
341 lbs,	crankcase	51,200	28"	32"	19×3.5"	2800 m.p.g.	84-94 m.p.g.		21/ Galls.		5.63:1	1:1	1,35:1	218.1		1 Sum	6-V/75 Watt	6:1	72 x 84 mm	340 c.c.	5200	R 35/148.H.P.
286 lbs	crankcase	436"	27 %"	31 %	19×3"	2800 m.p.g.	74 m.p.g.		2% Galls.		4.18:1		1,64:1	2,0		Amol	6-V/75 Wall	6:1	68 x 68 mm	247 C.C.	5400	R 25/10B.H.P.

Data without projudice and subject to afferation.

which have proved Features of design sure the public of of open competitions most drastic tests into production enbefore being put their worth by the trouble-free service

