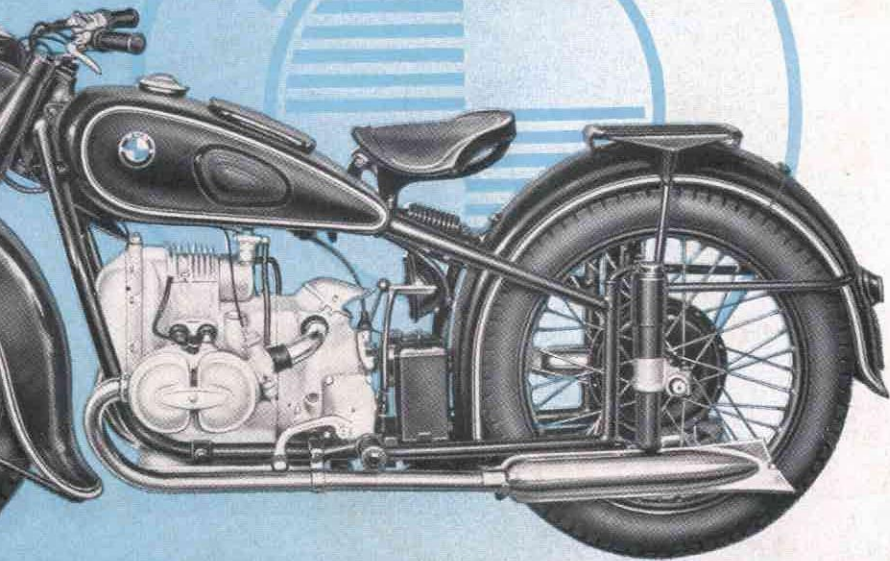
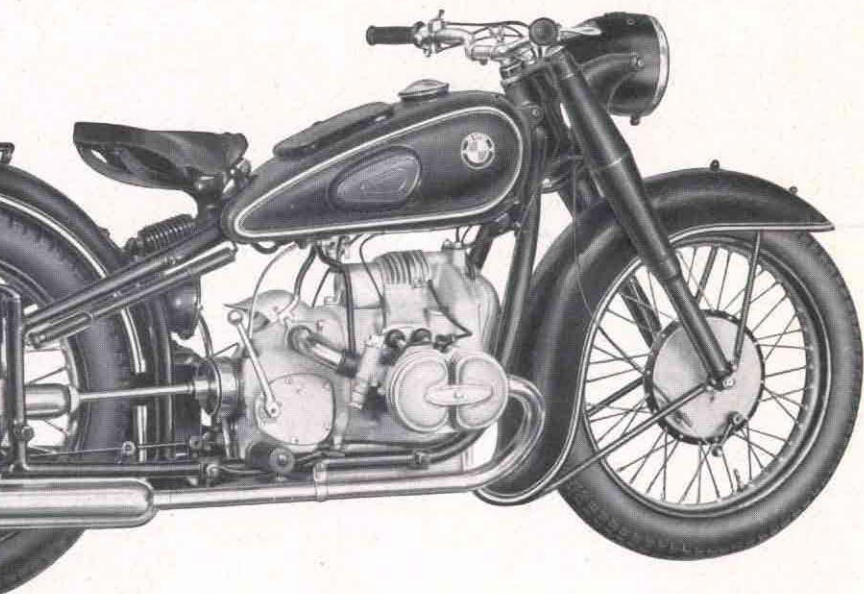


Comfort



Steel Sprung

BMW R 51/2



on motorcycle construction, the many models of BMW world over and who created plus numerous successful BMW motorcycle Model ent of a quick-answering ng high efficiency over the mber of the improvements he unusual easy control of peak speed of 135 km* per

hour, allows a smooth, non-jolting operation at a speed as low as 20 km** per hour. The service-proved telescopic springing of front and rear wheels, supplemented by a comfortable well-cushioned saddle assure highest riding qualities and best roadability on all sorts of roads. An endless series of imposing racing victories — the practical evaluation of which benefit every buyer — have proved the safe riding characteristics and superior road-holding qualities of BMW motorcycles. The riding comfort veteran motorcyclists have long dreamed of has become a reality in this model, thanks to the all-wheel sprung frame tested in numerous grueling motorcycle races.

** 20 km = 12 miles.

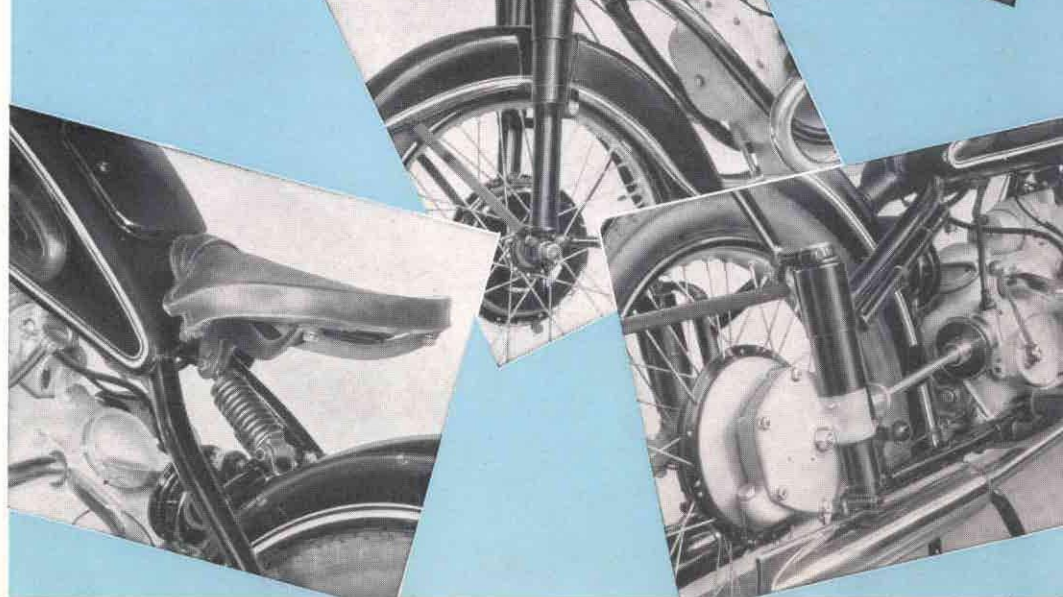
Engine:

opposed cylinder-type 24 hp two-cylinder 4 stroke engine, overhead valves, entire valve control in dust- and splash-proof housing. Sectional, rib-type cylinder head cover. Two inclined-draft carburetors with equalizing chamber. Covered common air filter built into gear casing. Crankshaft running on two ball bearings; steel connecting rod mounted on roller bearings. Ignition system protected by dust- and splash-proof covers. Excellent pick-up and power at all speeds combined with practically vibrationless operation.

Frame:

compact, distortion-proof double steel tube frame with ball-type connection for side car. Telescope-type springs on front and rear wheel. All moving parts have dust- and splash-proof covers. Front wheel fork with long, resilient scope springs needing no maintenance whatever. Steering gear lock. Adjustable 22 mm sports type handle-bar with effortless steering arrangement. Easy-to-operate handle-bar controls. Stream-lined 3½ gal. saddle-type fuel tank (incl. 1½ qt. reserve tank) with special cap, built-in tool box, large rubber knee grips. Comfortable saddle with adjustable cushioning. Full-floating axle front and rear wheel, interchangeable, a practical construction when riding with side car. Tires: 3.50 — 19. Efficient internal shoe brakes, 200 mm drum diameter. 6 V/75 watt Bosch dynamo battery ignition system with horn, large head lamp, mileage counter indirectly lighted. Ignition lock. Connecting socket on frame for hand lamp or side car illumination, adjustable foot rests; long foot-operated brake lever. Hinged rear mudguard. Amply dimensioned front mudguard affords efficient splash protection. Removable luggage carrier.

covers. Front wheel fork with long, resilient scope springs needing no maintenance whatever. Steering gear lock. Adjustable 22 mm sports type handle-bar with effortless steering arrangement. Easy-to-operate handle-bar controls. Stream-lined $3\frac{1}{2}$ gal. saddle-type fuel tank (incl. $1\frac{1}{2}$ qt. reserve tank) with special cap, built-in tool box, large rubber knee grips. Comfortable saddle with adjustable cushioning. Full-floating axle front and rear wheel, interchangeable, a practical construction when riding with side car. Tires: 3.50—19. Efficient internal shoe brakes, 200 mm drum diameter. 6 V/75 watt Bosch dynamo battery ignition system with horn, large head lamp, mileage counter indirectly lighted. Ignition lock. Connecting socket on frame for hand lamp or side car illumination, adjustable foot rests; long foot-operated brake lever. Hinged rear mudguard. Amply dimensioned front mudguard affords efficient splash protection. Removable luggage carrier.





Lubricating system: forced feed lubrication, oil tank in lower part of casing

Spark plug: Bosch W 240 T1

Gear ratio:

1st gear 3.6 : 1

2nd gear 2.28 : 1

3rd gear 1.7 : 1

4th gear 1.3 : 1

Speed ratio between gearing and rear wheel:

side car: 4.62 : 1,

number of teeth: 9 : 35

solo type: 3.89 : 1,

number of teeth: 7 : 32;

Power transmission from gearing to rear wheel.

Oil consumption 100 km solo: approx. 0.1 liter (62 miles per $\frac{1}{10}$ qt.)

Overall width: approx. 33 inches

Overall length: approx. 85 inches

Height from saddle to ground: approx. 28 inches

Ground clearance: approx. 5 inches

Weight in operating condition: 400 lbs.

Maximum possible weight: 880 lbs.

Capacity of fuel tank: approx. $3\frac{1}{2}$ gals.

Reserve tank (sufficient for 20 miles): approx. $1\frac{1}{2}$ qts.

Capacity of oil tank: $\frac{1}{2}$ gal.

Maximum speed: solo approx. 84 miles p. hour,

with BMW oscillating axle side car "Special" approx.

60 miles p. hour

BMW

BAYERISCHE MOTOREN WERKE
AKTIENGESELLSCHAFT MÜNCHEN 13