

K100RS "Special"

BMW introduces the K100RS "Special"—the first motorcycle with the revolutionary new electronically controlled anti-lock braking system (ABS).

BMW's electronically controlled ABS regulates braking at speeds human reflexes can't approach. In emergency situations and road hazards such as puddles, gravel and oil, the rider can apply the brakes in full without fear of the wheels locking.

BMW motorcycle ABS. Perhaps the most significant advance in motorcycle safety since the helmet.

Engine

Type	liquid-cooled, four-stroke inline 4-cylinder
Bore x stroke	82 BHP at 8000 RPM
Displacement	63.7 ft. lbs. torque at 6000 RPM
Compression ratio	97.0mm x 70.0mm
Valve gear	987cc
Valves	10.2:1
Carburetion	DOHC, chain-driven, two valves per cylinder
Ignition	34mm intake/30mm exhaust; 19 deg. included angle
Charging system	Bosch LE-Jetronic fuel injection transistorized breakerless 14 volt, 460W alternator; 12 volt, 25Ah battery

Drivetrain

Primary drive	helical gears
Clutch	dry, single-plate with diaphragm spring
Gear ratios	1st gear: 4.50:1 4th gear: 1.88:1 2nd gear: 2.96:1 5th gear: 1.67:1 3rd gear: 2.30:1
Drive system	enclosed driveshaft with universal joint and torsional damper
Final drive	spiral bevel gears, 2.81:1 ratio

Frame and suspension

Frame	tubular steel, engine as stressed member
Front suspension	telescopic fork, 41.4mm stanchion tube dia., 5.3 in. travel
Rear suspension	Monolever™ with single gas-filled shock, 4.3 in. travel
Brakes	front: dual 11.2 in. dia. discs; dbi action caliper rear: single 11.2 in. dia. disc; dbi action caliper
Wheels	front: 2.50-18 cast alloy, rear: 2.75-17 cast alloy
Tires	low-profile radial tires; front: 100/90 VR 18MP 7R; rear: 140/80 VR 17MP 7R

Dimensions and capacities

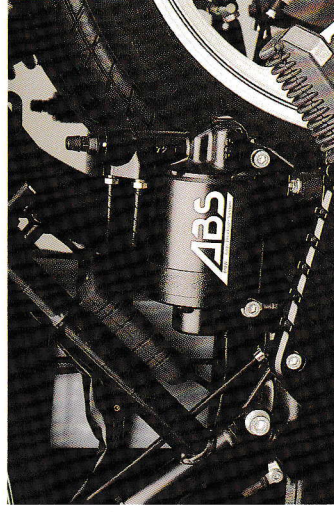
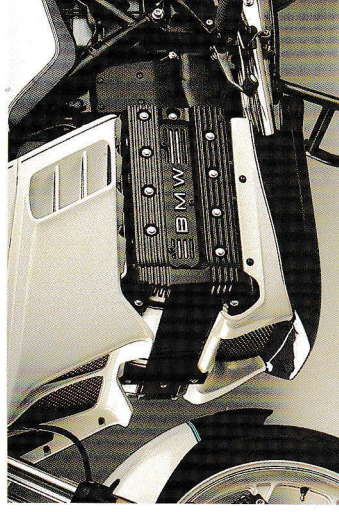
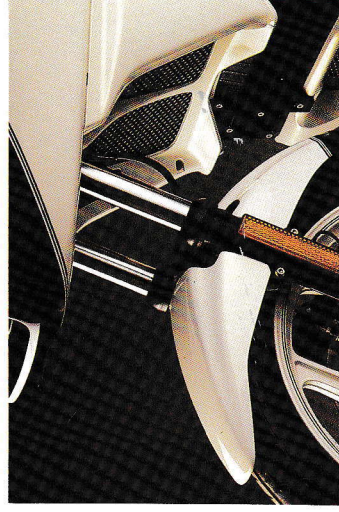
Overall length	87.4 in. (2220mm)
Overall width	31.5 in. (800mm)
Wheelbase	59.7 in. (1516mm)
Seat height	31.9 in. (810mm)
Weight	534.0 lbs. (dry); 596.0 lbs. (wet); 1058.0 lbs. (GVWR)
Fuel capacity	5.8 gal. including 1.3 gal. reserve
Oil capacity	4.0 qt.

Standard equipment

- Electronically controlled anti-lock braking system (ABS)
- Special two-tone pearl white metallic and Bermuda blue metallic paint
- Protective clear coating on painted parts
- Blacked-out engine highlighted in white, and blacked-out drive system
- Detailed pin striping
- Special K100RS designation on fairing
- Low-profile radial tires
- White wheels with blue pin striping
- Color-coordinated blue seat
- Black windscreen with adjustable black air deflector
- Chrome exhaust shield
- Fuel gauge
- Coolant temperature gauge
- Four-way hazard/warning flasher

Optional equipment

- Color matched saddlebags—pearl white metallic with blue pin striping (lids only)



Sports suspension with integrated fork brace

Spoiler

ABS pressure modulator

Saddle bags (optional)