

BMW K 1300 S

Engine

Type	Water-cooled 4-stroke in-line four-cylinder-engine, four valves per cylinder, two overhead camshafts, dry sump lubrication
Bore x stroke	80 mm x 64,3 mm
Capacity	1.293 ccm
Rated output	175 hp (129 KW) at 9,250 rpm
Max. torque	103 ft-lb (140 Nm) at 8,250 rpm
Compression ratio	13.0 : 1
Mixture control / engine management	Electronic intake pipe injection/digital engine management including knock sensor (BMS-K)
Emission control	Closed-loop 3-way catalytic converter, emission standard EU-3

Performance / fuel consumption

Maximum speed	Over 125 mph (200 km/h)
Fuel consumption per 100 km at constant 90 km/h	50 mpg, at a constant 55 mph
Fuel consumption per 100 km at constant 120 km/h	
Fuel type	Unleaded premium only.

Electrical system

Alternator	three-phase alternator 580 W
Battery	12 V / 12 Ah, maintenance-free

Power transmission

Clutch	Multiple-disc clutch in oil bath, hydraulically operated
Gearbox	Constant mesh 6-speed gearbox
Drive	Shaft drive

Chassis / brakes

Frame	Bridge-type frame, cast aluminum, load-bearing engine
Front wheel location / suspension	BMW Motorrad Duolever; central spring strut
Rear wheel location / suspension	Cast aluminum single-sided swing arm with BMW Motorrad Paralever; central spring strut with lever system, spring pre-load adjustable hydraulically (continuously variable) at handwheel, adjustable rebound damping
Suspension travel front / rear	4.5/5.3 inches (115 mm/135 mm)
Wheelbase	62.4 inches (1,585 mm)
Castor	4.1 inches (104.4 mm)
Steering head angle	60,4°

Wheels	Cast aluminum
Rim, front	3,50 x 17"
Rim, rear	6,00 x 17"
Tyres, front	120/70 ZR 17
Tyres, rear	190/55 ZR 17
Brake, front	Twin disc, floating brake discs, diameter 320 mm, 4-piston fixed calipers
Brake, rear	Single disc brake, diameter 265 mm, double-piston floating caliper
ABS	Standard equipment: BMW Motorrad Integral ABS (part-integral)

Dimensions / weights

Length	85.9 inches (2,182 mm)
Width (incl. mirrors)	35.6 inches (905 mm)
Height (excl. mirrors)	48 inches (1,221 mm)
Seat height, unladen weight	32.3 (820 mm) low seat: 31.1 (790 mm)
Inner leg curve, unladen weight	
Unladen weight, road ready, fully fuelled ¹⁾	560 lbs (254 kg)
Dry weight ²⁾	503 lbs (228 kg)
Permitted total weight	1,014 lbs (460 kg)
Payload (with standard equipment)	573 lbs (206 kg)
Usable tank volume	5 gallons (19.0 liters)
Reserve	Approx. 1 gallon (4.0 liters)

Technical data relate to the unladen weight (DIN)

¹⁾ According to guideline 93/93/EWG with all fluids, fuelled with at least 90% of usable tank volume

²⁾ Unladen weight without fluids