

DATA & EQUIPMENT

THE BMW R 18 B

As a traditional bagger motorcycle, the R 18 B makes a clear statement with its Big Boxer. Learn all about the technical data here.



TECHNICAL DATA

Engine

Design	Air/oil cooled twin-cylinder four-stroke boxer engine with two chain-driven camshafts above the crank shaft
Bore x stroke	107.1 mm x 100 mm
Capacity	1802 cc
Nominal capacity	67 kW (91 hp) at 4,750 rpm
Max. torque	158 Nm at 3,000 rpm
Compression ratio	9.6 :1
Fuel preparation	Electronic intake manifold fuel injection/digital engine management: BMS-O with electromotive throttle controller
Emission control	Closed-loop three-way catalytic converter

Performance / fuel consumption

Maximum speed	Over 180 km/h
Fuel consumption per 100 km based on WMTC	5.8 l
CO2 emission based on WMTC	134 g/km
Fuel type	Super plus, unleaded (max. 15% ethanol, E15) RON 95 90 AK

Electrical system

Alternator	Permanent magnet alternator with 660 W (nominal capacity)
Battery	12 V / 26 Ah, maintenance-free

Power transmission

Clutch	Single-disc dry clutch
Transmission	6-speed shifting claw transmission in separate transmission housing
Secondary drive	Drive shaft

Chassis / brakes

Frame	Double-cradle tubular steel frame with screwed-on downtubes
Front suspension / spring elements	Telescopic fork
Rear suspension / spring elements	Steel double-sided swinging arm with central spring strut
Suspension travel, front / rear	120 mm / 120 mm
Wheelbase	1,695 mm
Castor	183.5 mm
Steering head angle	62.7°
Wheels	Cast aluminium front wheel
Rim dimensions, front	3.5 x 19"
Rim dimensions, rear	5,0" x 16"
Tyre, front	120/70 R 19
Tyre, rear	180/65 B16
Brake, front	Twin disc brake, 300 mm in diameter, four-piston fixed caliper
Brake, rear	Single disc brake, 300 mm in diameter, four-piston fixed caliper
ABS	BMW Motorrad Integral ABS (fully integrated)

Dimensions / weights

Seat height at vehicle kerb weight	720 mm
Inner leg curve at vehicle kerb weight	1,700 mm
Usable tank capacity	approx. 24 l
of which reserve	approx. 4 l
Length (above spray guard)	2,560 mm
Height (above windscreen, at DIN vehicle kerb weight)	1,400 mm
Width (across hand levers)	970 mm
Vehicle kerb weight, road-ready, fully fuelled	398 kg ¹⁾
Permitted total weight	630 kg
Payload (with standard equipment)	232 kg

¹⁾ According to Directive (EU) 168/2013 with all operating fluids, with standard equipment and refuelled with at min. 90% of the usable fuel tank capacity.