

DATA & EQUIPMENT

THE BMW R 18

The R18 combines many iconic hallmarks of our history such as the open drive shaft. We have worked these characteristic features over and brought them into the present. Learn all about the technical data and standard equipment here.



TECHNICAL DATA

Engine

Design	Air/oil cooled two-cylinder four-stroke boxer engine with two chain-driven camshafts above the drive shaft.
Bore x stroke	107.1 mm x 100 mm
Capacity	1802 cm ³
Nominal capacity	67 kW (91 hp) at 4750 rpm
Max. torque	158 Nm at 3000 rpm
Compression ratio	9.6 :1
Fuel preparation	Electronic intake pipe fuel injection, BMS-K+ electronic engine management with overrun cut-off, twin-spark ignition: BMS-O with e-gas
Emission control	Regulated three-way catalytic converter

Performance / fuel consumption

Maximum speed	Over 110mph
Fuel consumption per 100 km based on WMTC	5.6 l/100km
CO2 emission based on WMTC	129 g/km
Fuel type	Super plus lead-free (max. 15% ethanol, E15) ROZ 95 90 AKI

Electrical system

Alternator	Permanent magnet generator 600 W (nominal capacity)
Battery	12 V / 26 Ah, maintenance-free

Power transmission

Clutch	Single-disk dry clutch
Gearbox	6-gear shifting claw transmission in separate transmission housing
Secondary drive	Shaft drive

Chassis / brakes

Frame	Double-cradle steel frame with screwed-on underbeams
Front suspension / spring elements	Telescopic fork
Rear suspension / spring elements	Steel swinging fork with central shock strut
Suspension travel, front / rear	120 mm / 90 mm
Wheelbase	1731 mm
Castor	150 mm
Steering head angle	57,3°
Wheels	Spoke wheel (front only)
Rim, front	3,5" x 19"
Rim, rear	5,0" x 16"
Tyre, front	120/70 R 19
Tyre, rear	180/65 B16
Brake, front	Twin disc brake, diameter 300 mm, four-piston fixed calipers
Brake, rear	Single disc brakes, diameter 300 mm, four-piston fixed calipers
ABS	BMW Motorrad Integral ABS (partially integral)

Dimensions / weights

Seat height, unladen	690 mm
Rider step length, unladen	1630 mm
Usable tank capacity	approx. 16 l
Of which is reserve	approx. 4 l
Length	2440 mm
Height (excluding mirrors)	1126 mm
Height (above mirror, at DIN empty weight)	1232 mm
Width (with mirror)	964 mm
Unladen weight, fully fuelled/road-ready	345 kg ¹⁾
Max. permitted weight	560 kg
Max. load (with standard equipment)	215 kg