

DATA & EQUIPMENT

THE BMW R 1250 R

With its dynamic handling and powerful boxer engine with BMW ShiftCam technology, the BMW R1250 R means unparalleled versatility. Learn everything you need to know about this bike's technical data and standard equipment here.



TECHNICAL DATA

Engine

Rated output	100 kW (136 hp) at 7,750 rpm
Emission control	Closed-loop 3-way catalytic converter
Type	Two-cylinder, air/liquid-cooled, four-stroke boxer engine with two overhead spur-gear driven camshafts, one counterbalance shaft and BMW ShiftCam variable intake camshaft control
Bore x stroke	102.5 mm x 76 mm
Capacity	1,254 cc
Max. torque	143 Nm at 6,250 rpm
Compression ratio	12.5 : 1
Mixture control	Electronic intake pipe injection / digital engine management system: BMS-O with throttle-by-wire
Exhaust emission standards	EU 5

Performance / fuel consumption

Fuel type	190 km/h (OE output reduction 35 kW: 161 km/h)
Fuel consumption per 100 km based on WMTC	4.3 l
CO2 emission based on WMTC	Super unleaded (max. 15% ethanol, E15), 95 ROZ/RON, 90 AKI

Electrical system

Alternator	Permanent magnet alternator with 508 W (nominal power)
Battery	12 V / 12 Ah, maintenance-free

Power transmission

Clutch	Clutch Multiplate clutch in oil bath, anti-hopping clutch
Gearbox	Claw-shifted 6-speed gearbox with helical gears
Drive	Cardan

Chassis / brakes

Frame	Steel tube frame with load-bearing engine, steel tube sub-frame
Front wheel location / suspension	Upside-down telescopic fork
Rear wheel location / suspension	Cast aluminum single-sided swingarm with BMW Motorrad Paralever, WAD shock absorber, spring preload continuously adjustable hydraulically by handwheel, rebound damping adjustable by handwheel
Suspension travel, front / rear	140 mm / 140 mm
Wheelbase	1,512 mm
Castor	129.60 mm
Steering head angle	61.7°
Wheels	Aluminium cast wheels
Rim, front	3.50 x 17"
Rim, rear	5.50 x 17"
Tyre, front	120/70 ZR17
Tyre, rear	180/55 ZR17
Brake, front	Twin disc brake, floating brake discs, diameter 320 mm, 4-piston radial brake caliper
Brake, rear	Single disc brake, diameter 276 mm, 2-piston floating caliper
ABS	BMW Motorrad Integral ABS Pro (partial integral, lean angle optimized)

Dimensions / weights

Seat height at unladen weight	820 mm (seat low: 760 mm; seat sport: 840 mm)
Usable tank volume	18 l
Reserve	approx. 4 l
Length	2,165 mm (over license plate holder)
Height	1,300 mm (above mirror, at DIN unladen weight)
Width	880 mm (above mirror)
Unladen weight, road ready, fully fuelled	239 kg ¹⁾
Permitted total weight	460 kg
Payload (with standard equipment)	221 kg