

DATA & EQUIPMENT

THE BMW R 1250 RT

For around four decades, the two letters RT have been synonymous with comfortable travel and touring at the highest level. The BMW R 1250 RT combines comfortable touring with sporty dynamics and sophisticated technology. Find out all about the technical data and equipment here.



TECHNICAL DATA

Engine

Design	Two-cylinder, air-/fluid-cooled, four-stroke boxer engine with two overhead spur-gear driven camshafts, one balancer shaft and BMW ShiftCam variable intake camshaft control
Bore / stroke	102.5 mm x 76 mm
Capacity	1,254 ccm
Nominal capacity	100 kW (136 HP) at 7,750 rpm
Max. torque	143 Nm at 6,250 rpm
Compression ratio	12.5: 1
Fuel preparation	Electronic intake pipe fuel injection, digital engine control: BMS-O with e-gas
Emission control	Closed-loop three-way catalytic converter, compliant with EU-5 emission standard

Performance / fuel consumption

Maximum speed	Over 200 km/h
Fuel consumption per 100 km based on WMTC	4.75 l
CO2 emission based on WMTC	110 g/km
Fuel type	Super petrol unleaded, octane number 95 (ROZ), adaptation through engine control (91 to 98 ROZ)

Electrical system

Alternator	Three-phase generator with 508-watt nominal capacity
Battery	12 V / 11.8 Ah, maintenance-free
ECALL	Intelligent Emergency Call

Power transmission

Clutch	Wet clutch with an anti-hopping function, hydraulic activation
Gearbox	Six-speed helical synchromesh gearbox
Secondary drive	Drive shaft

Suspension / brakes

Frame	Two-part frame concept consisting of a main frame and a rear frame bolted to it, with a co-supporting engine
Front suspension / spring elements	BMW Motorrad Telelever, central spring strut, standard diameter 37 mm
Rear-wheel guide / spring elements	Cast aluminium single-sided swinging arm with BMW Motorrad Paralever, WAD spring strut, spring preload continuously and hydraulically adjustable via adjuster knob, adjustable rebound-stage damping via adjuster knob
Spring travel, front / rear	120 mm / 136 mm
Wheelbase	1,485 mm
Castor	116 mm
Steering head angle	64.1°
Wheels	Cast aluminium
Rim dimensions, front	3.50 x 17"
Rim dimensions, rear	5.50 x 17"
Tyre, front	120/70 ZR 17
Tyre, rear	180/55 ZR 17
Brake, front	Twin disc brake, floating discs, diameter 320 mm, four-piston radial brake callipers
Brake, rear	Single disc brake, diameter 276 mm, double-piston floating calliper
ABS	BMW Motorrad full integral ABS Pro (full integral braking, lean optimised)

Dimensions / weights

Seat height, unladen	805 mm / 825 mm (SE high seat: 830 mm / 850 mm, low seat: 760 mm / 780 mm)
Rider step length, unladen	1,810 mm / 1,850 mm (SE high seat: 1,875 mm/ 1,915 mm, SE low seat: 1,740 mm / 1,780 mm)
Usable tank capacity	25 l
Reserve	approx. 4 l
Length (using number plate carrier)	2,222 mm
Height (above windscreen)	Min. min. 1,460 mm, max. 1,570 mm (Style Sport: min. 1,360 mm, max. 1,480 mm)
Width (including mirrors)	985 mm
Breadth (including boot)	990 mm
Vehicle kerb weight, fully fuelled/road-ready	279 kg ¹⁾
Vehicle kerb weight, fully fuelled/road-ready	505 kg
Max. load (with standard equipment)	226 kg

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