



Wide range of applications.

The versatility of the BMW R 900 RT / R 1200 RT predestines this motorcycle internationally as a representative and reliable companion for the armed forces, fire brigade, escorts, rescue and roadside assistance services.

Mobility for every mission.

Very few motorcycles have been so well thought-out for retrofitting than the BMW R 900 RT / R 1200 RT. Its imposing appearance and highly developed standard safety systems and sophisticated seating and control ergonomics make this remarkable motorcycle an outstanding mobile workplace for the most varied tasks.

Challenge us.

Custom-made solutions are our business.

Take a look at the multifaceted options of the original BMW Motorrad special equipment and main applications of the BMW Motorrad authorities and special vehicles at www.bmw-motorrad-authorities.com. We will also be delighted to answer any questions you may have in person – please contact us to discuss the specific requirements of your organization. If you have any questions or need more details, please do not hesitate to contact us at any time. Speak to us about your individual requirements.

BMW Motorrad

Authorities and
Special Vehicles
R 900 RT / R 1200 RT



The Ultimate
Riding Machine

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A No-Compromise Concept.
BMW R 900 RT / R 1200 RT.

What speaks for this bike.



Consistent comfort.

The electrically adjustable windshield keeps off wind and rain permitting relaxed riding even at high speeds. The seat, which was developed according to ergonomic standpoints, also contributes decisively towards getting the rider to his destination over long distances without fatigue.

Systematic safety.

The BMW R 900 RT / R 1200 RT is equipped with the approved BMW Motorrad Integral ABS System, a siren system as well as the flashing lights at the front and the revolving flashing light that beams at an angle of 180° or 360°. Hence it offers every rider passive safety equipment of the highest standard.

Highly functional design.

The equipment for all application purposes can be stored optimally in the panniers that are available on request. The lockable storage system is painted in the vehicle colour and offers ample space in a compact area for the optional 1-kg powder fire extinguisher. The communication components can be installed in the special radio equipment box.

Robust and prestigious.

The new BMW R 900 RT / R 1200 RT is the consistent continuation of a concept, the qualities of which have proved themselves impressively in more than one hundred thousand authorities vehicles sold worldwide. The variety of its extensive advantages and optional extras makes this advanced motorcycle a logical choice for riders who demand the very highest standards with regard to appearance, functionality, comfort and safety.

Highest-level functionality.

Technical specifications

Engine type:	2-cylinder 4-stroke boxer flat-twin engine
Valves:	4 valves per cylinder
Capacity:	1,170 cm ³ *
Bore / stroke:	73 mm / 101 mm*
Output:	81 kW / 110 bhp at 7,500 rpm*
Torque:	115 Nm at 6,000 rpm*
Compression:	12.0:1*
Cooling:	Air/oil
Fuel induction:	BMW engine management BMS-K with fuel cut-off, dual-ignition
Emission control:	Closed three-way loop catalytic converter with oxygen sensor
Gearbox:	6-speed

Electrical system

Alternator:	840 W
Battery:	12 V / 19 Ah

Dimensions and weights

Length:	2,230 mm
Wheel-base (normal position):	1,480 mm
Fuel tank volume:	27 l, of which approx. 4.0 l is reserve
Seat height at unladen weight:	820, 840 mm for option 780, 800 mm
Unladen weight:	259 kg (without authorities-specific equipment)
Permitted max. weight:	495 kg

Performance and fuel consumption

Maximum speed:	Over 200 km/h
Fuel consumption at 120 km/h:	Approx. 3.6 l (at 100 km according to ISO 7118 at 90 km/h) Approx. 4.8 l (depending on the equipment)
Fuel:	Premium plus unleaded petrol (95 RON)

Suspension

Frame:	Three-piece frame concept with front and rear subframes with load-bearing engine-gearbox-unit
Fork:	BMW Motorrad Telelever with central strut
Spring travel at rear:	135 mm
Swing arm:	Cast aluminium single arm lever (BMW Motorrad Paralever)
Drive:	Shaft drive
Spring strut:	WAD (travel dependent damping); spring pre-load adjustment by means of handwheel (electronic for optional ESA electronic suspension adjustment) hydraulically infinitely variable, adjustable rebound damping (electronic for optional ESA electronic suspension adjustment)
Front brake:	EVO dual disc brake, floating disc mountings, Diameter: 320 mm, 4-piston fixed calliper
Rear brake:	Single disk brake, diameter 265 mm, 2-piston floating calliper
Front/rear rim size:	3.5" x 17" / 5.5" x 17"
Wheels:	Cast aluminium wheels
Front tyre:	120/70 ZR 17 (tubeless)
Rear tyre:	180/55 ZR 17 (tubeless)

* Technical specifications refer to the R 1200 RT.

BMW R 900 RT / BMW R 1200 RT Efficiency