

Technical data sheets BMW Motorrad

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Status: approved

F 900 XR

	ECE 0K21	ECE A2 0K41	US 0K23	ECE 0K21 ROZ91 --> country specific!
Engine				
Type	Water-cooled 4-stroke in-line two-cylinder engine, four valves per cylinder, two overhead camshafts, dry sump lubrication			
Bore / stroke	86 mm x 77 mm			
Capacity	895 cc			
Rated output	77 kW (105 hp) at 8,500 rpm	70 kW (95 hp) at 8,000 rpm OE output reduction: 35 kW (48 hp) at 6,500 rpm	73 kW (99 hp) at 8,500 rpm	73 kW (99 hp) at 8,500 rpm country specs China: 63 kW (85 hp) at 6,750 rpm
Max. torque	92 Nm at 6,500 rpm	88 Nm at 6,750 rpm OE output reduction: 66 Nm at 4,500 rpm	88 Nm at 6,750 rpm	88 Nm at 6,750 rpm country specs China: 89 Nm at 6,750 rpm
Compression ratio	13.1 : 1			
Mixture control	Electronic injection			
Emission control	Closed-loop 3-way catalytic converter, emission standard EU-5			
Performance / fuel consumption				
Maximum speed	over 200 km/h	over 200 km/h OE output reduction: 170 km/h	over 200 km/h	over 200 km/h country specs China: 194 km/h
Fuel consumption per 100 km based on WMTC	4.2 l			
CO ₂ emission based on WMTC	99 g/km			
Fuel type	Unleaded super, minimum octane number 95 (RON)	unleaded regular fuel, minimum octane number 91 (RON)		
Electrical system				
Alternator	permanent magnetic alternator 416 W (nominal power)			
Battery	12 V / 12 Ah, maintenance-free			
Power transmission				
Clutch	Multiple-disc wet clutch (anti hopping), mechanically operated			
Gearbox	Constant mesh 6-speed gearbox integrated in crankcase			
Drive	Endless O-ring chain with shock damping in rear wheel hub			
Chassis / brakes				
Frame	Bridge-type frame, steel shell construction			
Front wheel location / suspension	Upside-down telescopic fork, Ø 43 mm			
Rear wheel location / suspension	Cast aluminium dual swing arm, central spring strut, spring pre-load hydraulically adjustable, rebound damping adjustable			
Suspension travel, front / rear	170 mm / 172 mm (OE suspension lowering kit: 150 mm / 152 mm)			
Wheelbase	1,521 mm			
Castor	105.2 mm			
Steering head angle	60.5°			
Wheels	Cast aluminium wheels			
Rim, front	3.50" x 17"			
Rim, rear	5.50" x 17"			
Tyre, front	120/70 ZR 17			
Tyre, rear	180/55 ZR 17			
Brake, front	Dual disc brake, floating brake discs, Ø 320 mm, 4-piston radial brake calipers			
Brake, rear	Single disc brake, Ø 265 mm, single-piston floating caliper			
ABS	BMW Motorrad ABS			
Dimensions / weights				
Seat height	825 mm (OE suspension lowering kit: 775 mm, OE low seat: 795 mm, OA high seat: 840 mm, OA comfort seat: 845 mm, OA extra high seat: 870 mm)			
Inner leg curve	1,840 mm (OE suspension lowering kit: 1,765 mm, OE low seat: 1,795 mm, OA high seat: 1,870 mm, OA comfort seat: 1,880 mm, OA extra high seat: 1,900 mm)			
Usable tank volume	15.5 l			
Reserve	ca. 3.5 l			
Length	2,160 mm			
Height (excl. mirrors)	1,320-1,420 mm			
Width (excl. mirrors)	860 mm			
Unladen weight, road ready, fully fuelled 1)	219 kg			
Permitted total weight	438 kg			
Payload (with standard equipment)	219 kg			
Equipment (in parts)				
Standard equipment	coloured TFT display with BMW Motorrad Connectivity, LED headlight (low / high beam), LED indicators, ASC, riding modes Rain/Road, adjustable hand brake and clutch levers, 12V socket, windshield adjustment			
Optional equipment (OE)	headlight Pro incl. adaptive curve light, riding modes Pro incl. ABS Pro / DTC / MSR / DBC, Dynamic ESA (electronic suspension adjustment), case holders, main stand, keyless ride, intelligent emergency call, lowered suspension kit			
Optional accessories (OA)	Soft panniers and touring cases, luggage rack, topcase, LED fog lights, hand protectors, engine spoiler, windshield Sport, alternative seats			

Technical data relate to the unladen weight (DIN)

1) According to guideline VO (EU) 168/2013 with all fluids, with standard equipment and fuelled with at least 90% of usable tank volume.

(only OE-USPs compared to competition)