

Technical data sheets BMW Motorrad

Stand: 08.11.2021
Status: approved

MJ 2022 (OK23)

F 900 XR

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 cm ³
Rated output	73 kW (99 hp) at 8,500 rpm
Max. torque	88 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
Fuel consumption per 100 km based on WMTC	4,2
Fuel type	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

Relevante Maße beziehen sich auf DIN-Leerlage

1) Gemäß Richtlinie VO (EU) 168/2013 mit allen Betriebsmitteln, mit Serienausstattung und betankt mit mindest. 90% des nutzbaren Tankvolumens.