

## Technical data sheets BMW Motorrad

Stand: 08.11.2021  
Status: approved

MJ 2022 (0K13)

### F 900 R

#### 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 <sup>3</sup>
Rated output	73 kW (99 hp) at 8,500 rpm
Max. torque	88 Nm bei 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	135 mm / 142 mm (OE suspension lowering kit: 115 mm / 122 mm)
Wheelbase	1,518 mm
Castor	114.3 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	815 mm (OE suspension lowering kit: 770 mm, OE low seat: 790 mm, OA high seat: 835 mm, OA comfort seat: 840 mm, OE extra high seat: 865 mm)
Inner leg curve	1,820 mm (OE suspension lowering kit: 1,755 mm, OE low seat: 1,785 mm, OA high seat: 1,860 mm, OA comfort seat: 1,870 mm, OE extra high seat: 1,890 mm)
Usable tank volume	13 l
Reserve	ca. 3.5 l
Length	2,140 mm
Height (excl. mirrors)	1,130 mm
Width (excl. mirrors)	815 mm
Unladen weight, road ready, fully fuelled 1)	211 kg
Permitted total weight	430 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
Optional equipment (OE)	headlight Pro incl. adaptive curve light, riding modes Pro incl. ABS Pro / DTC / MSR / DBC, Dynamic ESA (electronic suspension adjustment), keyless ride, intelligent emergency call, RDC (tire pressure control), lowered suspension kit
Optional accessories (OA)	engine spoiler, pillion seat cover, milled footpegs and mirrors, alternative seats, case holders, soft panniers, high windshield, main stand

#### 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.