

Technical data sheets BMW Motorrad

Stand: 08.11.2021
Status: approved

MY 2022 (0B19)

F 850 GS TU

Engine

Type	Water-cooled 4-stroke in-line two-cylinder engine, four valves per cylinder, two overhead camshafts, dry sump lubrication
Bore / stroke	84 mm x 77 mm
Capacity	853 cm ³
Rated output	66 kW (90 PS) bei 8.000 rpm
Max. torque	86 Nm bei 6.250 rpm
Compression ratio	12.7 :1
Mixture control	Electronic injection
Emission control	Closed-loop 3-way catalytic converter, emission standard EU-5

Performance / fuel consumption

Maximum speed	über 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 / 10 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 WAD spring strut, spring pre-load hydraulically adjustable, rebound damping adjustable
Suspension travel, front / rear	230 mm / 215 mm (OE: suspension lowering kit 210 mm / 195 mm)
Wheelbase	1,593 mm
Castor	126 mm
Steering head angle	62°
Wheels	Cross spoke wheels
Rim, front	2.15 x 21"
Rim, rear	4.25 x 17"
Tyre, front	90/90-21
Tyre, rear	150/70 R17
Brake, front	Dual disc brake, floating brake discs, Ø 305 mm, double-piston floating caliper
Brake, rear	Single disc brake, Ø 265 mm, single-piston floating caliper
ABS	BMW Motorrad ABS

Dimensions / weights

Seat height	860 mm (OE suspension lowering kit: 805 mm, OE extra low seat: 825 mm, OA low seat: 835 mm, OE comfort seat: 875 mm, OA rallye seat: 890 mm)
Inner leg curve	1,910 mm (OE suspension lowering kit: 1.810 mm, OE extra low seat: 1.850 mm, OA low seat: 1,870 mm, OE comfort seat: 1,950 mm, OA rallye seat: 1,980 mm)
Usable tank volume	15 l
Reserve	approx. 3.5 l
Length (over license plate holder)	2,305 mm
Height (over windshield)	1,356 mm
Width	877 mm
Unladen weight, road ready, fully fuelled 1)	233 kg
Permitted total weight	445 kg
Payload (with standard equipment)	212 kg

Equipment (in parts)

Standard equipment	6.5" TFT colour display with connectivity, BMW Motorrad ABS Pro, DTC (Dynamic Traction Control), Riding modes Rain / Road, LED headlight, LED indicators, adjustable windscreen, 12 V and USB power socket, engine guard
Optional equipment (OE)	Dynamic ESA (Electronic Suspension Adjustment), Riding modes Pro (Dynamic / Enduro / Enduro Pro), LED daytime running light, Gear shift assistant Pro, Keyless Ride, RDC (tyre pressure control), intelligent emergency call
Optional accessories (OA)	Vario luggage system, aluminium luggage system, tank bag, hand protectors, adjustable foot brake and gear lever, higher handle bar, Touring windshield, LED auxiliary headlights

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.