## **Technical data sheets BMW Motorrad**

10.08.2021 MY 2023 (0E21)

## S 1000 RR

Engine

Туре Water/oil-cooled 4-cylinder 4-stroke in-line engine, four titanium valves per cylinder, BMW ShiftCam

Bore / stroke 80 mm x 49.7 mm

Capacity 999 ccm 152 kW (207 hp) at 13,500 rpm Rated output Max. torque 113 Nm at 11,000 rpm

Compression ratio 13.3:1

Mixture control Electronic injection, variable intake pibe Emission control Closed-loop 3-way catalytic converters, EU-5 norm

Performance / fuel consump

299 km/h Fuel consumption per 100 km based on WMTC cycle 6.41 CO2 emission based on WMTC 149 g/km

Fuel type Unleaded super(premium), octane number 95 - 98 (RON) (knock control; rated output at 98 RON)

ectrical system Alternator

450 W

Battery 12 V / 8 Ah, maintenance-free

Multiplate clutch in oil bath, anti-hopping clutch, with self-reinforcement

Gearbox Constant-mesh 6-speed gearbox with straight cut gears

Chain 525 17/45 Drive

Tractioncontrol DTC

Chassis / brakes

Frame Bridge-type frame, cast aluminium, load-bearing engine

Front wheel location / suspension Upside-down telescopic fork  $\emptyset$  45 mm, compression and rebound stage adjustable, adjustable preload

Rear wheel location / suspension "WSBK" Aluminium swing arm, full floater pro, compression and rebound damping adjustable, adjustable preload

Suspension travel, front / rear 120 mm / 117 mm Wheelbase 1,441 mm 93.9 mm Castor Steering head angle 66.5°

Aluminium cast wheels Wheels 3.50" x 17" Rim, front 6.00" x 17" Rim, rear 120/70 ZR 17 Tyre, front

190/55 ZR 17 (200/55 ZR 17 M wheels) Tyre, rear

Brake, front Twin disc brake, 4-piston fixed caliper, 4.5 mm diameter 320 mm (5 mm M wheels)

Brake, rear Single disc brake, single piston floating caliper, diameter 220 mm ABS BMW Motorrad Race ABS (part-integral), disengageable, modes to select ABS Pro ABS Pro settings for RAIN, ROAD, DYNAMIC mode, no ABS Pro in RACE mode

Dimensions / weights

Seat height 1.827 mm Inner leg curve Usable tank volume 16.5 I Reserve approx. 41 2,073 mm Length Height (excl. mirrors) 1,151 mm Width (incl. mirrors) 848 mm

Dry weight 175 kg (M Package 173.3 kg) without battery

Unladen weight, road ready, fully fuelled 1) 197 kg (M Package 193.5 kg)

Permitted total weight 407 kg Payload (with standard equipment) 210 kg

Equipment (in parts)

Standard equipment BMW Motorrad Race ABS,, ABS Pro, 4 riding modes (Rain, Road, Dynamic, Race), DTC, HSC (Hill Start Control), Shift Assist

Pro, TFT-Display, LED-Turn Signal, LED-Headlight and Rearlight

Riding Mode Pro (+3 modes: Race Pro 1-3, pit-lane-limiter, launchcontrol, DTC +/- Shift, wheelie control- slide controle, HSC Optional equipment (OE)

Pro, DBC (Dynamic Brake Control), Engine Break.

DDC (next generation), heated grips, cruise control, M forged wheels, M Package: M sport seat, M carbon wheels, M leight weight battery, M chassis kit with rear height adjustment and swingarm pivot.

Optional accessories (OA) M Carbon parts M Footrests, M Brake- Clutch lever, Windhields tinted, Windshield bubble, Windshield bubble tinted,  $three\ M\ sport\ Seat\ with: low\ 814\ mm\ or\ 824\ mm\ or\ high\ 849\ mm,\ M\ Datalogger\ und\ M\ Laptrigger,\ M\ Cover\ Kit,\ M\ Calibration$ 

Tank Bag, Rear Bag.

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.