



# TECHNICAL DATA

## Engine

### Type

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

### Bore / stroke

80 mm x 49.7 mm

### Capacity

999 cc

### Rated output

156 kW (212 hp) at 14,500 rpm

### Max. torque

113 Nm at 11,000 rpm

### **Compression ratio**

13.5 : 1

### **Mixture control**

Electronic injection, variable intake pipe

### **Emission control**

Closed-loop 3-way catalytic converters, EU-5 norm

## **Performance / fuel consumption**

### **Maximum speed**

306 km/h

### **Fuel consumption per 100 km based on WMTC**

6.5 l

### **CO2 emission based on WMTC**

151 g/km

### **Fuel type**

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

## **Electrical system**

### **Alternator**

450 Watt

### **M Lightweight Battery**

12 V / 5 Ah, Lithium-ion

## **Power transmission**

### **Clutch**

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

### **Gearbox**

Constant-mesh 6-speed gearbox with straight cut gears

### **Drive**

Chain 525 17/46

### **Traction Control**

BMW Motorrad DTC

## **Chassis / brakes**

### **Frame**

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

### **Front wheel location / suspension**

Upside-down telescopic fork with a diameter of 45 mm, adjustable compression and rebound stage, adjustable preload

### **Rear wheel location / suspension**

Aluminium swing arm, full floater pro, compression and rebound damping adjustable, adjustable preload

### **Suspension travel, front / rear**

120 mm / 117

### **Wheelbase**

1,457 mm

### **Castor**

99.8 mm

### **Steering head angel**

66.4°

### **Wheels**

M Carbon Wheels

### **Rim dimensions, front**

3.50 x 17"

### **Rim dimensions, rear**

6.00 x 17"

### **Tyre, front**

120/70 ZR 17

### **Tyre, rear**

200/55 ZR 17

### **Brake, front**

Twin disc brake, M Brake 4-piston fixed caliper, 5 mm diameter 320 mm

### **Brake, rear**

Single disc brake, 2-piston fixed caliper, diameter 220 mm

### **ABS**

BMW Motorrad Race ABS Pro (part-integral), modes to select

## **ABS Pro**

ABS Pro settings for RAIN, ROAD, DYNAMIC mode, no ABS Pro in RACE and Race Pro 1-3 mode

## **Dimensions / weights**

### **Seat height**

832 mm

### **Inner leg curve**

1,845 mm

### **Usable tank volume**

16.5 l

### **Reserve**

approx. 4 l

### **Length**

2,073 mm

### **Height (excl. mirrors)**

1,197 mm

### **Width (excl. mirrors)**

848 mm

### **Dry weight**

170 kg (M Competition Package 169.8 kg) without battery

### **Unladen weight, road ready, fully fuelled**

192 kg (M Competition Package 191.8 kg)

1)

#### Permitted total weight

407 kg

#### Payload (with standard equipment)

212 kg

1) According to Guideline (EU) 168/2013 with all operating fluids, with standard equipment and refuelled with min. 90% of the usable tank capacity.

# EQUIPMENT

## Standard equipment:

- Windshield high
- BMW Motorrad ABS and ABS Pro
- 7 riding modes (Rain, Road, Dynamic, Race, Race Pro 1-3)
- Pit-Lane-Limiter
- Launch Control
- Dynamic Traction Control (DTC) +/- Shift
- Wheelie Control
- Slide Control
- Hill Start Control (HSC) Pro
- Dynamic Brake Control
- Shift Assist Pro

- 6.5" TFT-Display
- LED-Headlight, Rearlight and Turn Signals
- Heated Grips
- Cruise Control
- M Lightweight Battery
- M Chassis Kit with rear height adjustment and swingarm pivot

**Optional equipment:**

- M Competition Package with M Brake Lever, M Clutch Lever, M Brake Lever Guard, M Rider Footrest, M Engine Protector, M Carbonparts, Swinging arm in anodised aluminium -220g, M GPS Laptrigger (activation code), M endurance chain, Passenger Package, incl. Passenger Cover
- Anti-Theft Alarm

**Optional accessories:**

- Radiator Guard
- Windshield tinted
- Windshield bubble tinted
- M Tyre Warmer
- M Datalogger and M GPS Laptrigger
- M Cover Kit

