



F 800 R

Technical data and colors

Updated: January 2009

Engine:

Type:

- Water-cooled, 2-cylinder, 4-stroke, four valves per cylinder, two overhead camshafts, dry sump lubrication

Bore / stroke:

- 82 mm x 75,6 mm

Capacity:

- 798 cc

Rated output:

- 64 kW (87 hp) at 8.000 rpm (output reduction 25 kW (34 hp) at 6.000 rpm possible)

Max. torque:

- 86 Nm at 6.000 rpm (performance reduction: 58 Nm at 3.250 rpm)

Compression ratio:

- 12,0 : 1

Mixture control / engine management:

- Electronic intake pipe injection / digital engine management (BMS-KP)

Emission control:

- Closed-loop 3-way catalytic converter, emission standard EU-3

Performance / fuel consumption:

Maximum speed:

- Over 200 km/h

Fuel consumption over 100 km at constant 90 km/h:

- 3,6 l

Fuel consumption over 100 km at constant 120 km/h:

- 4,8 l

Fuel type:

- Unleaded super, minimum octane rating 95 (RON)

Electrical system:

Alternator:

- three-phase alternator 400 W

Battery:

- 12 V / 14 Ah, maintenance-free

Power transmission:

Clutch:

- Multiple-disc clutch in oil bath, mechanically operated

Gearbox:

- Constant mesh 6-speed gearbox integrated into crankcase

Drive:

- Endless O-ring chain with shock damping in rear wheel hub

Chassis / brakes:

Frame:

- Bridge-type aluminium frame, load-bearing engine

Front wheel location / suspension:

- Telescopic fork, Ø 43 mm

Rear wheel location / suspension:

- Cast aluminium dual swing arm, central spring strut, spring pre-load hydraulically adjustable (continuously variable) at handwheel, rebound damping adjustable

Travel front/rear:

- 125 mm / 125 mm

Wheelbase :

- 1.520 mm

Castor :

- 90,7 mm

Steering head angle:

- 65°

Wheels:

- Cast aluminium

Rim front:

- 3,50 x 17"

Rim rear:

- 5,50 x 17"

Tyres front :

- 120/70 ZR 17

Tyres rear:

- 180/55 ZR 17

Brake front:

- Twin disc, floating brake discs, diameter 320 mm, four-piston fixed calipers

Brake rear:

- Single disc, diameter 265 mm, single-piston floating caliper

ABS:

- Optional extra: BMW Motorrad ABS

Dimensions / Weight:

Length:
• 2,145 mm
Height (not inc. mirrors):
• 1,160 mm
Width (inc. mirrors):
• 905 mm
Seat height, unladen weight:
• 800 mm (low seat: 775 mm, high seat: 825 mm)
Inner leg curve:
• 1,770 mm (low seat: 1,720 mm, high seat: 1,820 mm)
Unladen weight, road ready, fully fuelled 1):
• 299 kg
Dry weight 2):
• 177 kg

Permitted total weight:
• 405 kg
Payload (with standard equipment):
• 206 kg
Usable tank volume:
• 16,0 l
Reserve:
• approx. . 4,0 l

Technical data relate to the unladen weight (DIN)
1) According to guideline 93/93/EWG with all fluids, fuelled with at least 90% of usable tank volume
2) Unladen weight without fluids

Color possibilities:



Paintwork: alpine white / black satin
Frame color: black
Rim color: black



Paintwork: fire orange
Frame color: black
Rim color: black



Paintwork: white aluminium matt metallic
Frame color: black
Rim color: black

Die beschriebenen Modelle zeigen die Ausstattung für Deutschland. Sie enthalten z. T. auch Sonderausstattungen und Zubehör, die nicht zum serienmäßigen Lieferumfang gehören. In verschiedenen Ländern sind aufgrund gesetzlicher Bestimmungen Abweichungen von den hier beschriebenen Modellvarianten und Ausstattungen möglich. Bitte informieren Sie sich über den genauen Umfang und das lieferbare Programm der Fahrerausstattung und der Accessoires bei Ihrem BMW Motorrad Vertragshändler. Irrtümer und Änderungen von Konstruktion und Ausstattung vorbehalten.

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F 800 R



The Ultimate Riding Machine