

The new BMW F 800 GT. Contents.



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1. The new BMW F 800 GT. (Short version).



With the new F 800 GT as the successor model to the F 800 ST, BMW Motorrad is enhancing its range in the sporty touring segment and setting a new benchmark among mid-range motorcycles.

The high-torque, water-cooled 2-cylinder in-line engine with a capacity of 798 cc continues to provide dynamic propulsion in the new F 800 GT. An increase in power has been achieved by means of revised set-up. It now has an output of 66 kW / 90 bhp (F 800 ST: 62.5 kW (85 bhp)) at 8,000 rpm. The new F 800 GT boasts an even more supreme drive with the maintenance-free secondary drive via toothed belt.

What is more, improved ergonomics, optimised wind and weather protection and an even more practically oriented luggage system provides the basis for genuine "Gran Turismo". The new F 800 GT is also fitted as standard with ABS in line with the "Safety 360°" principle. Other optional systems such as Automatic Stability Control ASC and the Electronic Suspension Adjustment ESA ensure that the new BMW F 800 GT sets new standards in terms of safety and comfort within its segment.

As part of the BMW Motorrad program of special accessories, the new F 800 GT can also be fitted with an Akrapovič sports silencer. This slip-on silencer provides a particularly earthy 2-cylinder sound. Made of titanium and stainless steel it enables a weight reduction of approx. 1.7 kg as compared to the standard rear silencer.

Overview of new technical features:

- Increased output of the F 800 GT as compared to predecessor model. 66 kW (90 bhp) at 8,000 rpm. (F 800 ST: 62.5 kW (85 bhp) at 8,000 rpm).
- Newly designed trim in more dynamic look with further improved wind and weather protection. New paint finishes.
- The latest generation of BMW Motorrad ABS, now as standard.
- Automatic Stability Control ASC (ex works option / special accessory).
- Electronic Suspension Adjustment ESA (ex works option / special accessory)
- Convenient adjustment of rear spring mount using handwheel.
- Suspension optimised in terms of ride stability and comfort.
- New, lighter wheels in dynamic design.
- Adapted ergonomics for increased touring comfort with higher handlebars and repositioned footrests.
- Enhanced seating comfort for rider and passenger.
- New handlebar switch panels and front brake fluid expansion tank.
- New vibration-free and double-buttet aluminium handlebars.
- Cockpit with new dial faces for speedometer and engine speed display as well as an extended range of information.
- Load capacity increased by 11 kg to 207 kg.
- New exhaust system with optimised heel protection.
- Turn indicators in smoke grey.
- Newly developed luggage system (special accessory).
- New connection of BMW Motorrad Navigator IV to handlebar clamp (special accessory).
- Power reduction to 35 kW (48 bhp) (ex works option / special accessory).

2. Vehicle properties and technology.

New trim for further improved wind and weather protection.

The most striking change as compared to the predecessor model F 800 ST is the bike's full fairing. Not only does it give the new F 800 GT a more dynamic, adult look, it makes it more of a fully fledged touring bike. A key factor here is the new windshield with optimised aerodynamics and significantly increased wind and weather protection. There are also new, longer mirror stems for a better view of traffic to the rear.

Powerful 2-cylinder with increased engine output for even more dynamic touring.

The high-torque, water-cooled 2-cylinder in-line engine with a capacity of 798 cc continues to provide dynamic propulsion in the new F 800 GT. It features electronic fuel injection, a closed-loop catalytic converter and a 6-speed gearbox for an excitingly spontaneous response, impressive pulling power and a low level of fuel consumption. Another unique feature in serial production motorcycle manufacture is the mass balance based on an additional connecting rod.

In the new F 800 GT an increase in power has been achieved by means of revised set-up. It now has an output of 66 kW / 90 bhp (F 800 ST: 62.5 kW (85 bhp)) at 8,000 rpm. As before, the vehicle is fuelled with premium grade fuel with a minimum octane number of RON 95. For those preparing for to take their motorcycle licence aged up to 25 there is also a reduced power version available with 35 kW (48 bhp).

Other new features of the F 800 GT include the exhaust manifold and rear silencer, both drawn from the dynamic roadster F 800 R. In the passenger heel area there is a new heat shield which was specially developed to meet the specific demands of a touring bike.

As part of the BMW Motorrad program of special accessories, the new F 800 GT can also be fitted with an Akrapovič sports silencer. This slip-on silencer provides a particularly earthy 2-cylinder sound. Made of titanium and

stainless steel it enables a weight reduction of approx. 1.7 kg as compared to the standard rear silencer.

Standard BMW Motorrad ABS of the latest generation and ASC as an option / special accessory ex works.

The new F 800 GT already features the state-of-the-art dual channel BMW Motorrad ABS as standard. Lighter and more compact than the predecessor generation, the new ABS system also makes use of an additional pressure sensor in the front brake circuit, further optimising control quality.

Another safety bonus – especially on slippery road surfaces – is provided by Automatic Stability Control ASC available as a special accessory or ex works option. ASC can be deactivated as required.

Optimised suspension and increased load capacity.

In terms of its suspension, the new F 800 GT offers a number of features specifically geared towards increased comfort and touring suitability. The rear swingarm is extended by 50 millimetres for enhanced ride stability. A slight reduction of spring travel by 15 mm to 125 mm reduces squat while also increasing ride stability and providing a more precise ride feel, as well as allowing a reduction in seat height from 840 mm to 800 mm.

The active riding qualities of the F 800 GT also benefit from new, lighter wheels in a highly dynamic design with tangible benefits in terms of handling. The tyre dimensions of 120/70 ZR 17 at the front and 180/55 ZR 17 at the rear remain unchanged.

In terms of comfort and user-friendliness, the new F 800 GT features an optimised handwheel for easy adjustment of the spring mount (“spring preload”) at the rear central spring strut.

Load capacity has been increased by 11 kg to 207 kg, meeting the requirements of a “Gran Turismo” designed for fully fledged touring. In connection with this increased load capacity, the rear frame has been revised and the stems of the passenger footrests optimised.

Electronic Suspension Adjustment ESA as an ex works option.

For the first time in a mid-range touring bike, BMW Motorrad offers Electronic Suspension Adjustment ESA as an ex works option in the new F 800 GT.

This allows the rider to electrically adjust the damping rebound stage of the rear spring strut at the press of a button on the handlebar panel even while travelling. There is a choice of three levels, ranging from comfortable to normal and sporty, depending on the road surface and individual needs.

Perfected ergonomics for a high degree of touring comfort.

The new 20 mm higher handlebars made of double-buttet aluminium tubing are designed for enhanced touring comfort with additional decoupling to reduce vibration. By the same token, the brake pump at the front has been fitted with a new expansion tank featuring a harmonious design. The positions of the rider footrests have also been reconfigured so as to achieve particularly comfortable ergonomics suitable for touring. They are now placed 10 mm further forward and 10 mm lower, creating a tangibly relaxed knee angle and therefore greater seating comfort. The touring comfort is also increased by a new standard seat with wider seating surface. Other higher and lower seats are also optionally available so that the seat height can be adapted individually to the body height of the rider.

Cockpit with new dial faces and increased information scope.

The instrument cluster has been given a new dial face design as well as indicator lights for the newly added ESA and ASC systems. Another feature is the display of the on-board computer, previously available as an ex works option, and bar displays for fuel level and engine temperature are now also included as standard. Gear display, stopwatch, exterior temperature display and several other display functions still form part of the optionally available on-board computer.

New generation of switches for optimum usability.

In the area of the vehicle electrical system, the new F 800 GT continues to make use of CAN bus technology. Its benefits are superior diagnostic capabilities and the fact that conventional safety fuses are no longer required. This also enables the integration of an electronic immobiliser. As in the recently presented models F 700 GS and F 800 GS, the new F 800 GT

likewise features the latest generation of BMW Motorrad switches for optimum clarity and usability.

New luggage system with hard shell cases, topcase and tank bag.

Drawing on the BMW Motorrad range of special accessories and ex works options, the new BMW F 800 GT can be fitted with a new, innovative luggage system which is perfect for travel and lengthy tours. Newly developed hard shell cases are used here for the first time. They provide a generous 55 litres of storage space with a load capacity of up to 10 kg on each side. The cases are splashproof and in the right-hand case - which is slightly larger (the volume on the left is slightly reduced due to the silencer) - there is also room for a helmet if necessary.

BMW Motorrad also offers liners as an ideal supplement to the new touring cases, providing a perfect match in terms of fit and design. A welded inner lining ensures waterproofing. The liners are fitted with both carry handles and removable shoulder straps for convenient transport on arrival at one's destination.

Another option in the luggage range is the system topcase, which offers an additional storage volume of 28 litres as before. As usual it is mounted on the standard luggage carrier.

The newly developed tank bag has a waterproof, size-adjustable main compartment with a volume of 10 or 14 litres and a practical waterproof map compartment. The BMW Motorrad snap-lock system makes for easy fitting here, too.

BMW Motorrad Navigator IV with new connection.

Another new feature of the F 800 GT is the connection of the BMW Motorrad Navigator IV to the handlebar clamp, available as part of the range of BMW Motorrad special accessories. This allows combination with the tank bag, while another advantage is optimum readability.

3. Equipment program.



Special equipment features and special accessories – perfect individualisation by BMW Motorrad.

Even in its standard trim, the new F 800 GT aspires to genuine “Gran Turismo” with a virtually perfect blend of sporty flair and touring comfort. In addition, BMW Motorrad offers an extensive range of options and special accessories for further optimisation of this sporty, dynamic touring bike.

Demanding long-distance riders requiring a high level of travel comfort will find everything they need as will those who love innovative technology. The variety of functional options ranges from Automatic Stability Control ASC to the new innovative luggage system and Electronic Suspension Adjustment ESA.

Options are supplied directly ex works and are integrated in the production process. Special accessories are installed by the BMW Motorrad dealer. These are features which can be retrofitted, too.

Options.

- New: Safety package: (ASC, ESA and RDC).
- New: Comfort package
(on-board computer, heated grips, case holder, centre stand).
- New: Automatic Stability Control ASC.
- New: Electronic Suspension Adjustment ESA.
- New: power reduction to 35 kW (48 bhp).
- New: comfort seat, 820 mm.
- New: seat, low, 765 mm.
- New: holder for tour case.
- New: LED turn indicators.
- RDC.
- On-board computer.
- Heated grips.
- Centre stand.

Special accessories.

- **Safety.**
 - Automatic Stability Control ASC.
 - Anti-theft alarm DWA.

- **Storage program.**
 - New: touring case.
 - New: holder for touring case.
 - New: liners for touring case.
 - New: tank bag.
 - Topcase, small, 28 litres.
 - Liner for topcase.

- **Design.**
 - LED turn indicators.
 - LED rear light.

- **Sound.**
 - New: Akrapovič sports silencer.

- **Ergonomics and comfort.**
 - New: comfort seat, 820 mm.
 - New: comfort seat, high, 845 mm.
 - Seat, low, 785 mm.
 - Seat, extra low, 765 mm.
 - Windshield, tinted.
 - Heated grips.
 - Rear splash guard.

- **Navigation and communication.**
 - New: holder for BMW Motorrad Navigator IV.
 - BMW Motorrad Navigator IV.

- **Maintenance and technology.**
 - Service toolkit.
 - Power reduction to 35 kW (48 bhp).
 - Centre stand.
 - New: BMW Motorrad battery charger.

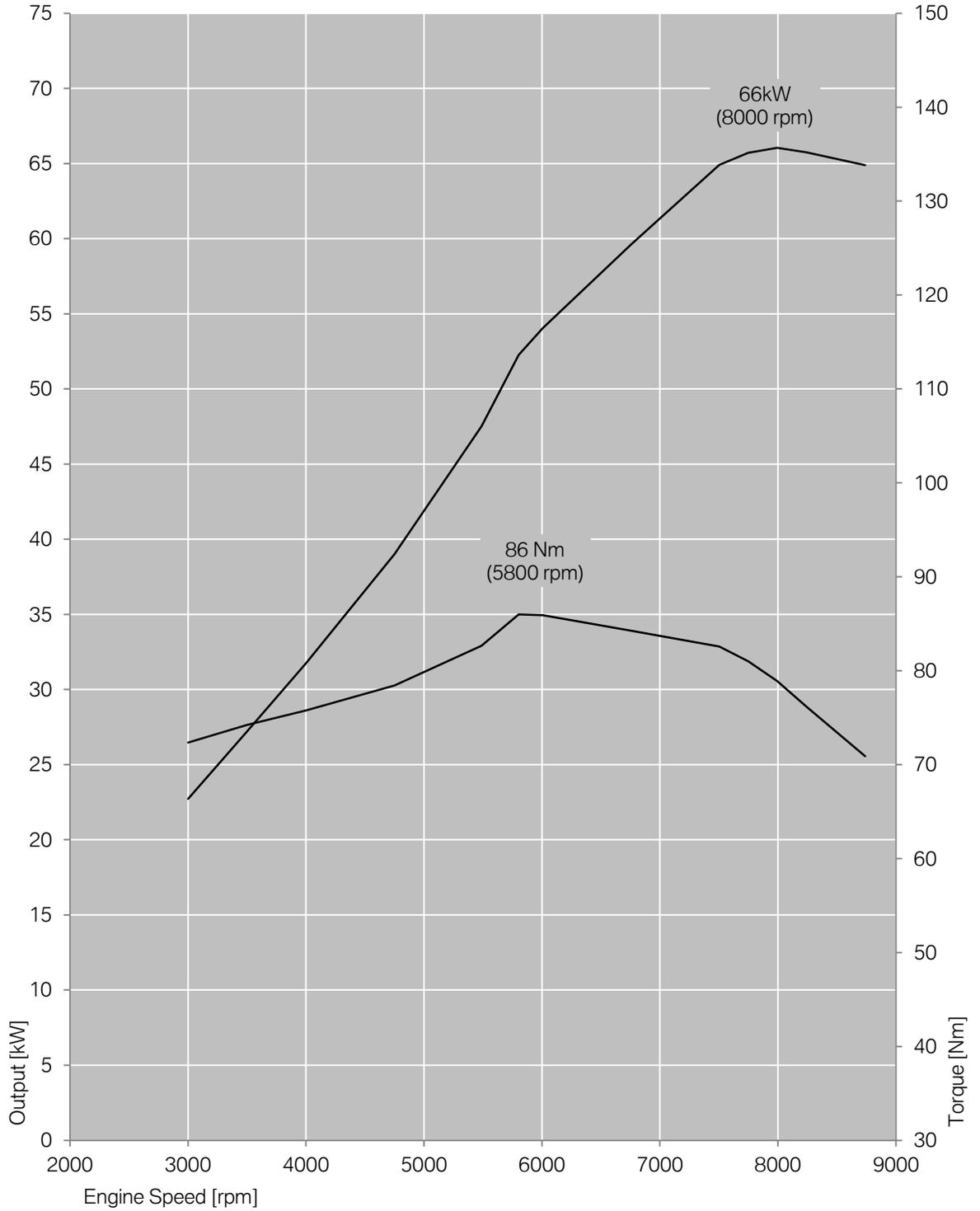
4. Paint finishes.



Its richly contrasted colour distribution gives the new BMW F 800 GT a sense of sporty lightness and elegance, and ensures it commands a striking presence.

Radiant Valencia orange metallic lends the new F 800 GT a markedly dynamic, extrovert character, while Dark graphite metallic ensures an elegant, refined appearance. In Light white, meanwhile, the new F 800 GT comes over as especially bold and athletic.

5. Engine output and torque.



6. Technical specifications.



BMW F 800 GT		
Engine		
Capacity	cc	798
Bore/stroke	mm	82/75.6
Output	kW/bhp	66/90
at engine speed	rpm	8,000
Torque	Nm	86
at engine speed	rpm	5,800
Type	Water-cooled 2-cylinder in-line engine	
Compression/fuel	12.0:1 / premium unleaded (95 RON)	
Valve control	DOHC (double overhead camshaft), cam followers	
Valves per cylinder	4	
Ø intake/outlet	mm	32/27.5
Throttle valve diameter	mm	46
Carburetion	Electronic intake pipe fuel injection, engine control system BMS-KP	
Emission control	Closed-loop 3-way catalytic converter	
Electrical system		
Alternator	W	400
Battery	V/Ah	12/12, maintenance-free
Headlight	High/low-beam: 12 V/55 W, halogen	
Rear light	Brake light: 12V/21W, rear light: 12V/5W	
Starter	kW	0.9
Power transmission/gearbox		
Clutch	Multiplate wet clutch, mechanically controlled	
Gearbox	Constant mesh 6-speed gearbox	
Primary ratio	1.943	
Gear transmission ratio	I	2.462
	II	1.750
	III	1.381
	IV	1.174
	V	1.042
	VI	0.960
Rear wheel drive	Toothed belt	
Transmission ratio	2.353	
Chassis		
Frame construction type	Aluminium bridge frame, partially load-bearing supporting engine	
Front wheel suspension	Telescopic fork, Ø 43 mm	
Rear wheel suspension	Single-sided swingarm, aluminium	
Spring travel, front/rear	mm	125/125
Wheel castor	mm	94.6
Wheelbase	mm	1514
Steering head angle	°	63.8
Brakes	front	Hydraulically activated twin disc brake, Ø 320 mm
	rear	Hydraulically activated single disc brake, Ø 265 mm, BMW Motorrad ABS as standard
Wheels	Aluminium cast wheels	
	front	3.5x17"
	rear	5.5x17"
Tyres	front	120/70-ZR17
	rear	180/55-ZR17
Dimensions and weights		
Total length	mm	2156
Total width with	mm	905
Seat height	mm	800 (option 820, 765, special accessory 845, 820, 785, 765)
DIN unladen weight, road ready	kg	213
Permitted total weight	kg	420
Fuel tank capacity	l	15

		BMW F 800 GT
Performance figures		
Fuel consumption		
90 km/h	l/100 km	3.4
120 km/h	l/100 km	4.3
Acceleration		
0-100 km/h	s	4.0
Maximum speed	km/h	>200