

BMW

U.S. Press Information

For Release: **Immediate**

Contact: **Oleg Satanovsky**
BMW Motorcycle Communications
201-414-8694 / Oleg.Satanovsky@bmwna.com

The new 2024 BMW F 800 GS, F 900 GS, and F 900 GS Adventure

- New 895 cc inline twin motor makes more power and torque.
- New F 900 GS over 30 lbs lighter than previous F 850 GS.
- MSRP \$10,495 plus Destination for F 800 GS.
- MSRP \$13,495 plus Destination for F 900 GS.
- MSRP \$14,195 plus Destination for F 900 GS Adventure.
- Estimated Market launch early Q2 2024.

Woodcliff Lake, NJ – Jan. 23, 2024 . . . BMW Motorrad USA proudly introduces the new 2024 BMW F 800 GS, F 900 GS, and F 900 GS Adventure. The new F models are redesigned to dominate the mid-range segments by focusing on the riders' needs with more features and equipment.

The F 800 GS is the ideal entry-level model with a new, more powerful motor and new standard equipment. The F 900 GS is a brand-new motorcycle with a greater focus on off-road experiences through a significant reduction in weight, more power and more equipment. The F 900 GS Adventure is the perfect companion for short and long-distance touring, both on and off road.

1. F 800 GS, F 900 GS, AND F 900 GS ADVENTURE HIGHLIGHTS

- New 895 cc parallel-twin engine with counterbalance shafts.
- F 800 GS – 87 hp @ 6,750 rpm and 67 lb-ft of torque @ 6,750 rpm.
- F 900 GS – 105 hp @ 8,500 rpm and 68.6 lb-ft of torque @ 6,750 rpm.
- Over 30 lb weight reduction (F 900 GS).

- Active Knock Control allows for wider range of fuels without performance loss.
- Standard Akrapovič Sport Muffler (F 900 GS).
- Standard two riding modes (Rain and Road) plus ABS Pro and DTC.
- Optional Ride Modes Pro adds Enduro and Enduro Pro modes.
- Optional DBC Engine drag torque control.
- Trellis steel frame.
- Standard full LED lighting.
- 6.5-inch TFT display with Connectivity.
- Optional Intelligent Emergency Call
- Optional Keyless Ride.
- Optional Enduro Pro Package (F 900 models).
- Standard Heated Grips.
- Standard Hand Protection
- Standard Luggage Carrier for Vario Cases (F 800 GS).
- Standard Luggage Rack (F 900 GS Adventure)
- Adjustable shift lever for greater usability during off-road riding.



2. DRIVETRAIN

"In addition to significantly higher peak output and more torque, the new engine in the GS models of the F series provides noticeably more pulling power and acceleration. This benefits the rider not only on the road, but also off the road."

Christian Geis, Project Manager GS Models F-Series

2-cylinder in-line engine with more capacity, output, and torque.

In the new BMW F 800 GS, F 900 GS and F 900 GS Adventure, the 2-cylinder in-line engine already used in the BMW F 900 R and F 900 XR with 895 cc (previously 853 cc) capacity delivers more performance thanks to significantly increased output. In the F 900 GS and F 900 GS Adventure, it generates 105 hp at 8,500 rpm (previously: 95 hp) and has a maximum torque of 68.6 lb-ft at 6,750 rpm (previously: 67.8 lb-ft). In the F 800 GS an output of 87 hp is available at 6,750 rpm (previously: 77 hp) as well as 67 lb-ft at 6,750 rpm (previously: 61 lb-ft). Compared to the predecessor models, output and torque have been increased and the torque curve is now significantly greater over the entire speed range. This results in noticeably more pulling power and faster acceleration.

The increase in output and the fuller torque were achieved primarily by increasing the engine capacity by enlarging the cylinder bore by 2 mm to 86 mm with a stroke of 77 mm. In addition, the cylinder heads were updated, and new forged pistons (previously cast pistons) were used. The engine, with a compression of 13.1:1, now has a crankshaft with crankshaft journals offset by 90 degrees and a 270/450 degree firing interval. This is accompanied by a particularly powerful, emotional sound, similar to that of a 90-degree V-twin engine. This sound experience is rounded off by a stainless-steel exhaust system. The new F 900 GS also comes with a standard Akrapovič sport rear muffler which saves 3.7 lbs. in weight compared to the muffler on the predecessor model.

Smooth running thanks to counterbalance shafts and dry sump for optimum reliability.

Two counterweight shafts, one in front of and one behind the crankshaft, eliminate unwanted vibrations. To prevent undesirable churning losses and to ensure maximum operational safety, the engine has a dry sump lubrication system that does not require a separate engine oil tank.

Two overhead camshafts, advanced knock control and anti-hopping clutch.

Two overhead camshafts driven by a toothed chain rotate in the cylinder head and operate four valves per cylinder via lightweight and therefore speed-resistant cam followers.

To cover a wider range of available fuel qualities, the new F 800 GS, F 900 GS, and F 900 GS Adventure are equipped with cylinder-selective knock control. The revised oxygen sensor, together with the catalytic converter, ensures more efficient and effective exhaust gas control and allow for greater range of fuel use without loss of performance.

The clutch is designed as a self-reinforcing anti-hopping clutch (oil bath clutch). It not only ensures low operating forces on the adjustable clutch lever, but also increases riding safety by reducing the engine drag torque - especially when braking and downshifting at the same time.

For fast up and down-shifting of the six-speed transmission without having to use the clutch, BMW Motorrad offers Gear Shift Assist Pro as an option.

Standard "Rain" and "Road" riding modes and DTC

To adapt to the rider's individual wishes, the new F 800 GS, F 900 GS, and F 900 GS Adventure offer two standard riding modes: "Rain" and "Road". Dynamic Traction Control (DTC), which ensures a high level of riding safety, is also standard.

Optional Riding Modes Pro and Engine Drag Torque Control

The new F models can be equipped with optional Riding Modes Pro. It includes the additional riding modes "Dynamic" and "Enduro" as well as "Enduro Pro" for the F 900 GS and F 900 GS Adventure. Riding modes Pro also allows the rider to pre-select up to four riding modes for the button assignment on the right-hand handlebar controls. Engine Drag Torque Control is a further new component of Riding Modes Pro.

3. SUSPENSION

"With the new F 900 GS, we have developed a GS with outstanding off-road qualities, particularly by significantly reducing weight and enhancing chassis technology. The Enduro Package Pro with sport suspension is available for ambitious off-road riding."

Sergio Fossa, Product Manager F-Series

Trellis steel frame with bolt-on frame section for optimum rigidity, robustness, and riding precision. BMW F 900 GS with new, significantly lighter plastic fuel tank.

The new F 800 GS, F 900 GS and F 900 GS Adventure rely on a trellis frame made of deep-drawn sheet steel parts welded together, which integrates the 2-cylinder in-line engine as a load bearing element. The bolted-on steel rear frame makes it possible to create a visually short and slim rear end. The 3.8-gallon plastic tank of the new F 900 GS is a completely new development saving 9.9 lbs of weight compared to the steel fuel tank of the previous model.

BMW F 900 GS with new and lighter rear section and new luggage carrier.

The new F 900 GS features a completely redesigned rear section which makes it look even more dynamic and saves around 5.3 lbs. of weight. The luggage carrier of the F 900 GS was adapted in the process in the authentic GS spirit. It allows the customer to attach soft bags, rucksacks or an aluminum case system from the original BMW Motorrad accessories range using various attachment options. The case holder has been designed so that it can be assembled and disassembled with little effort.

Upside-down front forks and double-sided swinging arm with central rear shock. New, fully adjustable upside-down forks on the BMW F 900 GS and F 900 GS Adventure.

The new F 900 GS and F 900 GS Adventure feature new, fully adjustable, 43 mm Showa upside-down forks. The suspension travel is 9.1-inches. Depending on the area of use and individual needs, both the rebound and compression damping as well as the spring preload can be adjusted manually. As before, the F 800 GS uses 41 mm front forks with 6.7-inches of suspension travel.

The rear wheels are controlled by a double-sided aluminum swing arm in conjunction with a directly linked central shock. The swing arm has been modified for the new F 900 GS and is 0.5 lbs. lighter than in the predecessor model. In addition to a hydraulically adjustable spring base ("spring preload"), the central shock also features adjustable

rebound damping. For the new BMW F 800 GS, F 900 GS, and F 900 GS Adventure: The suspension travel is 8.5-inches (F 900 GS and F 900 GS Adventure) and 6.7-inches (F 800 GS).

Enduro Package Pro for the new BMW F 900 GS with fully adjustable upside-down forks, fully adjustable rear shock, handlebar risers and M Endurance Chain.

For even better off-road performance, BMW Motorrad offers the optional Enduro Package Pro for the new F 900 GS. The package includes sport suspension with Showa forks, a rear shock from ZF Sachs, black tubular handlebars with 0.9-inch handlebar risers using a forged aluminum part and the particularly wear-resistant M Endurance chain.

The upside-down forks of the Enduro Package Pro are adjustable with regard to rebound and compression as well as spring preload and offer more rigidity than their standard counterparts, all within a 2 mm larger slider tube diameter. At the same time, they save 0.4 lbs. in weight. For the first time, BMW Motorrad offers titanium nitride-coated slider tubes in "Dark Navy Blue" on these upside-down forks. However, the titanium nitride coating is not only great to look at, but also ensures even more sensitive response behavior and optimized protection against damage, for example from stone impacts thanks to the reduced breakaway torque between the slider tube and the fixed tube.

Compared to the standard shock, the ZF Sachs central shock with reservoir offers a 25 percent wider adjustment range and 20 percent more damping. The wider setting range is accompanied by significantly increased protection against bottoming out as well as increased temperature stability. In this way, a wide range of use is achieved between very sporty off-road use with a tight set-up and more leisurely off-road riding with a soft set-up.

The shock is manually adjustable. Spring preload, high-speed compression and rebound are conveniently and easily accessible and can be adjusted without tools. Only adjusting the low-speed compression requires a screwdriver.

Optional Dynamic ESA electronic rear suspension adjustment for an optimum suspension set-up on the F 800 GS and F 900 GS Adventure.

The dynamic riding experience, ride comfort and touring and passenger suitability of the new F 800 GS and F 900 GS Adventure can be enhanced even further with the optional BMW Motorrad Dynamic ESA (Electronic Suspension Adjustment). Dynamic ESA opens up new dimensions with regard to riding safety, performance, and comfort, as the damping of the rear shock is automatically adjusted to the riding conditions. Dynamic ESA does not work as a stand-alone system but communicates with the other control systems such as ABS Pro and DTC.

An alternative to Dynamic ESA, as part of the Premium Package, is Low Suspension which lowers seat height by 2.2 or 2.8 inches, depending on model.

Standard BMW Motorrad ABS Pro. Dynamic Brake Control (DBC) as an element of the optional Riding Modes Pro.

The front twin disc brakes with BMW Motorrad ABS Pro provides superior, stable deceleration. A single-disc brake is used on the rear wheel.

ABS Pro offers more safety when braking in turns by enabling ABS-assisted braking when leaning into corners. ABS Pro prevents the wheels from locking even when the brakes are applied quickly and reduces abrupt changes in steering force and thus the bike from returning to the upright position, even during sudden braking. The benefits are increased braking and riding stability combined with the best possible deceleration even when cornering.

Dynamic Brake Control DBC increases safety when braking, even in difficult situations, by preventing the throttle from being activated unintentionally. As soon as the sensor cluster supplies a certain deceleration value during braking, any simultaneous desire to accelerate on the part of the rider is detected as implausible and throttle valve opening is suppressed. This keeps the motorcycle stable and shortens the braking distance. After a certain delay, the hazard warning lights are turned on automatically.

New BMW F 900 GS with ergonomics optimized for off-road use, enduro footrests and aluminum side stand. Optimized adjustable gearshift lever.

The new F 800 GS, F 900 GS and F 900 GS Adventure are not just for tall people. Sophisticated ergonomics and numerous available seat heights make them suitable for everyone. For particularly easy accessibility, a low suspension is available.

The increased off-road capabilities of the new F 900 GS are expressed by the ergonomic triangle (handlebar - seat – footrests). The handlebars of the new F 900 GS are now positioned 0.6-inches higher than on the previous model. The height can be increased by a further 0.9-inches via the Enduro Package Pro. In addition, the now standard Enduro footrests are positioned 0.8-inches lower, which, in conjunction with the higher handlebar position and the new design of the fuel tank, offers particular advantages when riding standing up on rough terrain.

Thanks to their special design, the Enduro footrests ideally combine a sure-footed position and self-cleaning function. The rounded edges ensure that the soles of the boots are not damaged, especially when riding in a standing position. To save even more weight, the sidestand of the new F 900 GS is made of lightweight aluminum. Compared to the predecessor model, this reduces sidestand weight by around 0.9 lbs.

All three new models are equipped with an adjustable gearshift lever. This is adjustable in height and length in two positions and thus enables a variable position for road and off-road boots or for standing or seated riding. In conjunction with an optimized bearing and new gearshift lever kinematics, it was also possible to make shifting the six-speed transmission even easier.

The F 900 GS also features a new foot brake lever. It is positioned 0.2 inches higher and is now easier to reach in conjunction with the lower positioned footrests. In addition, accessibility benefits from a further 0.8 inches when the folding surface piece is folded down.

4. ELECTRONICS

"The new GS models in the F series offer high-quality standard equipment features such as LED headlight and turning indicators and perfectly readable 6.5-inch TFT displays with a wealth of connectivity options."

Christian Geis, Project Manager GS Models F-Series

New, lighter LED headlight for the BMW F 900 GS. All models feature full LED lighting.

Compared to the predecessor model, the LED headlight on the new BMW F 900 GS offers a larger low beam opening angle and thus better illumination directly in front of the motorcycle. This increases safety, especially when riding at night at low speeds. In addition, the new headlight is more than 1.3 lbs. lighter than the previous model. The new F 900 GS Adventure and the F 800 GS also feature full LED lighting all around.

Connectivity and functionality in the form of a large 6.5-inch color TFT display.

The new F Series GS models are equipped with a standard, large 6.5-inch TFT display. The amount of available information, quality of presentation and, last but not least, user-friendliness are unrivalled.

To ensure optimum readability even under difficult lighting conditions - the display was designed to be large and thus easy to understand. It is linked to the multi-controller on the left-hand handlebar panel and can be operated quickly, safely, and conveniently from here. It offers screen displays tailored to the Enduro world as standard. Additional displays are added with the optional Riding Modes Pro.

Phoning, listening to music and navigating while riding is very intuitive. If, for example, a smartphone and a helmet with a communication system are connected via the TFT display using Bluetooth, the rider can easily access media playback and telephone functions. These functions can be used without installing an app. If there is an active Bluetooth connection to a standard smartphone, the rider can listen to music while riding. In addition, the free BMW Motorrad Connected app offers practical arrow navigation directly via the TFT display. The basic navigation is particularly attractive for motorcyclists who want to comfortably manage everyday traffic or short trips without additional equipment.

The new BMW F 900 GS comes as standard with multifunction holder to accommodate navigation devices, action cams and more.

The new BMW F 900 GS comes equipped with a standard holder which permits action cam or other devices to be mounted. The holder has been designed to provide optimum readability in both seated and standing riding positions and to provide good weather protection with both small and large windshields. In order to install the BMW Motorrad ConnectedRide Navigator or the BMW Motorrad ConnectedRide Cradle, the GPS Prep option is required.

Optional Intelligent Emergency Call.

An eCall system is available on the new models which aims to get help to the scene of the incident as quickly as possible. After being automatically or manually activated, the intelligent emergency call sends the position data and thus the coordinates of the accident location from the motorcycle in the event of an emergency situation or accident and activates the rescue chain via the qualified BMW Call Center. eCall requires a mobile phone connection to activate the emergency chain.

Optional Keyless Ride for conveniently activating the locking functions.

As is already the case with other BMW Motorrad models, the optional Keyless Ride system replaces the conventional ignition-steering lock. This makes using the previously standard key superfluous. The steering lock, ignition, fuel filler flap and accessory anti-theft alarm system are controlled by means of a transponder integrated in the motorcycle key, which transmits a radio signal with a vehicle-specific frequency. The key can therefore remain in the rider's jacket or pants pocket.

5. DESIGN

"With the new F 900 GS, we have not only achieved a very good result with regard to functionality, but also in terms of designing an athletic and sporty BMW GS. Pure GS, so to speak, and reduced to the original genes with powerful off-road qualities."

Edgar Heinrich, Head of Design BMW Motorrad

The new BMW F 900 GS sends out a clear signal: Off-road expertise.

The new BMW F 900 GS has been completely redesigned and benefits from a dynamic design that signals increased off-road abilities and sportiness, as well as visually highlighting the 30.8-lbs of reduced weight. One of the key points of the new design is the redesigned plastic fuel tank, which allowed for a much slimmer and ergonomically more favorable design with a capacity of only 0.1-gallons less than the previous model.

New, close-fitting tank side panels, together with a new radiator trim, give the new F 900 GS a sleek, sporty, and off-road-oriented look. At the same time, new frame trim (featuring the GS logo) help the rider maintain optimum leg contact with the new F 900 GS, especially when riding off-road in a standing position. In typical GS style, the new F 900 GS features the short GS beak fender underneath the new, compact headlight and the typical GS flyline that stretches over the tank and the sporty seat to the rear.

Off-road qualities, sportiness and dynamic performance are also reflected in the rear section, which is significantly narrower than that of the predecessor model. The dynamic appearance of the new F 900 GS is enhanced by the sporty rear Akrapovič muffler.

The off-road ambitions of the new F 900 GS are highlighted by the standard hand protectors. In the Style GS Trophy variant, an additional metal bracket and a newly designed plastic panel ensure significantly improved protection for the rider's hands and the controls in the event of impacts or falls, especially in off-road use. The front section features an enduro-style windshield. With a reduced shape, it provides sufficient wind and weather protection and prevents annoying helmet turbulence when riding in the seated position and offers protection from dirt and dust for the rider and controls when riding standing off-road. A higher Dakar-style windshield for even better wind and weather protection with less helmet noise is available as an original BMW Motorrad accessory.

The new BMW F 800 GS Colors and Styles.

In the Base Style, the new F 800 GS is delivered in Light White solid paint with radiator trim and fuel tank center cover painted in Light White. Black handlebars and a black/blue seat with embroidered GS lettering provide an exciting contrast with embroidered GS lettering.

The new F 800 GS in "Style Sport" showcases its dynamic qualities in Racing Blue with Light White radiator trim and a Racing Blue fuel tank center cover. A clear windshield adds a sporty touch, while silver handlebars and a black and red seat with embroidered GS lettering add to the sporty GS feeling.

The "Style Triple Black" in Black Storm Metallic (also used on the fuel tank center cover) with Mineral Grey Matte Metallic radiator trim, the new F 800 GS emphasizes its purposeful look. Dynamic touches are the silver handlebars and a black-grey seat with embroidered GS lettering.

The new BMW F 900 GS Colors and Styles

The new F 900 GS is available in a Base Black Storm Metallic with the fuel tank cover painted in Mineral Grey Matte Metallic. The black-coated fixed fork tubes, black rear frame, black wheel rims and a black seat with red contrasting elements harmonize with this. The radiator panels in Black Storm with GS logo provide a contrasting accent.

The optional "Style Passion" variant makes a sporty statement in São Paulo Yellow solid paint. Black-coated wheels and forks give it an athletic touch. The bike's dynamic look is enhanced by the red rear frame as well as radiator trim, fuel tank side covers and fork slider tube cover in vehicle color with black/red graphics.

The sportiest "Style GS Trophy" version combines Light White solid paint, Racing Blue Matte Metallic and Racing Red. The new F 900 GS emphasizes its off-road character with aluminum brackets for the hand protectors, an aluminum engine guard, black fork tubes and the black seat (also with red contrasts). Sporty touches are provided by gold wheel rims and a white rear frame. The fuel tank side covers and radiator trim in Light White solid paint as well as the front fender are highlighted with graphics in BMW colors of blue/red on a white background.

The new BMW F 900 GS Adventure Colors and Styles

The new F 900 GS Adventure shows that is ready for adventure, off-road tours, and long-distance travel in the Base Style of Black Storm Metallic (also used on the fuel tank center cover) and newly designed radiator trim with GS logo in White Aluminum. Black components such as the engine, fixed fork tubes, wheel rims and a black-grey comfort seat blend in harmoniously.

The new F 900 G Adventure in "Style Ride Pro" in White Aluminum Matte signals a spirit of adventure and long-distance travel qualities. Together with new radiator trim with GS logo in White Aluminum (also used on the fuel tank center cover) as well as a black-grey comfort seat, the new F 900 GS Adventure looks sporty and stylish at the same time.

6. STANDARD AND OPTIONAL EQUIPMENT

Standard Equipment F 800 GS

- New 895 cc inline twin motor with 87 hp and 67 lb-ft of torque.
- 6-speed transmission with Anti-hopping clutch and chain drive.
- Electronic Throttle.
- Steering Stabilizer.
- 6.5-inch Color TFT Display with Connectivity and Multicontroller.
- BMW Motorrad ABS Pro.
- DTC Dynamic Traction Control (disengageable).
- TCA Torque Control Assist.
- Two Riding Modes (Rain and Road).
- Heated Grips.
- One Piece Bench Seat.
- Full LED lighting.
- Hand Protection.
- Adjustable Aluminum Shift Lever.
- Adjustable Hand Brake and Clutch Levers.
- Luggage Carrier for Vario Cases.
- Cast Aluminum Wheels.
- Rear shock with travel dependent damping, preload and rebound adjustment.
- 12-volt socket and USB port.
- Electronic Immobilizer.

- Comfort Turn Signals.

Unique Standard Equipment F 900 GS

- New 895 cc inline twin motor with 105 hp and 68.6 lb-ft of torque.
- Lighter plastic fuel tank.
- Akrapovič Sport Muffler.
- Upside down Front Forks with rebound, compression and preload adjustability.
- Cross-Spoke Wheels.
- Wider Enduro Footrests.
- Multi-function holder.

Unique Standard Equipment F 900 GS Adventure

- New 895 cc inline twin motor with 105 hp and 68.6 lb-ft of torque.
- Larger Adventure Fuel Tank.
- Upside down Front Forks with rebound, compression and preload adjustability.
- Aluminum Engine Protection Plate.
- Adjustable Windshield.
- Wider Enduro Footrests.
- Luggage Rack.

Optional Equipment and Packages

Premium Package F 800 GS (\$1,795).

- M Endurance Chain.
- Keyless Ride.
- Gear Shift Assist Pro.
- Ride Modes Pro.
- Dynamic ESA or Low Suspension (-2.2-inch seat height).
- TPM Tire Pressure Monitor.
- GPS Prep.
- Cruise Control.
- Luggage Carrier with case holders.
- Center Stand.
- Intelligent Emergency Call.

Premium Package F 900 GS (\$1,750)

- M Endurance Chain.
- Keyless Ride.
- Gear Shift Assist Pro.
- Ride Modes Pro.
- GPS Prep.
- Cruise Control.
- TPM Tire Pressure Monitor.

Enduro Package Pro F 900 GS (\$1,495)

- Sport Suspension.
- High Handlebars.

Premium Package F 900 GS Adventure (\$2,460)

- M Endurance Chain.
- Dynamic ESA.
- Keyless Ride.
- Gear Shift Assist Pro.
- Ride Modes Pro.
- GPS Prep.
- Cruise Control.
- LED Fog Lights.
- Center Stand.
- Mount for Aluminum Cases.
- TPM Tire Pressure Monitor.

Ride Pro Package F 900 GS Adventure (\$2,475)

- M Endurance Chain.
- Dynamic ESA.
- Keyless Ride.
- Gear Shift Assist Pro.
- GPS Prep.
- Cruise Control.
- LED Fog Lights.
- Center Stand.
- Mount for Aluminum Cases.

Stand Alone Options

- Intelligent Emergency Call.
- Rallye Seat Low F 900 GS (-1.4-inch seat height).
- Rallye Seat High F 900 GS (+0.8-inch seat height).
- Extra Low Seat F 900 GSA (-2.0 inches).
- Comfort Seat High F 800 GS (+0.6 inches).
- Extra Low Seat F 800 GS (-1.4 inches).
- Windshield High (+2.0 inches).
- Anti-Theft Alarm (dealer installed accessory).
- Sport Rear Muffler F 900 GSA.
- Off-Road Tires F 900 GS and GSA.

Original BMW Motorrad Accessories

- Mounts for aluminum cases (F 900 GS and Adventure).
- Single seat bench sport black (F 900 GS).
- Passenger footrests (all models).
- Foot lever adjustable black (all models).
- Hand levers adjustable black (all models).
- Side stand Enduro (all models).
- Rear frame protection (F 900 GS).
- Engine protection bar black (F 900 GS).
- Enduro hand protectors large.
- LED additional headlight black (F 900 GS).
- Side stand Enduro silver (F 900 GS and Adventure).
- Connected Ride Navigator (all models).

7. TECHNICAL SPECIFICATIONS

		F 800 GS	F 900 GS / GSA
Engine			
Capacity	cc/cu. in.		895 / 54.6
Bore x stroke	mm		86.0 x 77.0
Output	hp	87 @ 6,750	105 @ 8,500 rpm
Torque	lb-ft.	67 @ 6,750	68.6 @ 6,750 rpm
Type	Liquid-cooled, inline 2-cylinder with dry sump lubrication		
No. of cylinders			2
Compression / fuel			13.1:1 / premium unleaded
Valve / accelerator actuation			OHV / 4-valves per cylinder
Ø intake/exhaust valve dia.	mm		33.5 / 27.2
Ø throttle body dia.	mm		48
Engine control			BMS-ME
Emission control		Closed-loop 3-way catalytic converter, EU5+	
Electrical system			
Alternator	W		416
Battery	V/Ah		12/9 maintenance-free
Headlight			LED low and high beam
Starter	W		900
Transmission			
Clutch			Anti-hopping wet clutch
Gearbox			Constant-mesh 6-speed gearbox
Primary ratio			1.821
Transmission ratios I			2.833
II			2.067
III			1.600
IV			1.308
V			1.103
VI			0.968
Rear wheel drive		O-ring chain with vibration damping in rear hub	
Transmission ratio		2.588	2.765 F 900 GS 2.588 F 900 GSA
Suspension			
Frame construction type		Trellis steel frame with load bearing engine	

Front suspension		41 mm front forks Rebound and compression adjustable	43 mm front forks F 900 GS
Rear suspension		Aluminum double-sided swing arm with central shock Spring base and rebound adjustable	
Suspension travel front/rear	in.	6.7 / 6.7	9.1 / 8.5
Wheel castor	in.	4.2	4.7
Wheelbase	in.	61.3	62.6 F 900 GS 62.4 F 900 GSA
Steering head angle	°	63.0	62.0
Brakes	front	Twin 305 mm disks 2-piston floating calipers	
	rear	Single-disc brake Ø 265 mm 1-piston floating caliper	
ABS		BMW Motorrad ABS Pro	
Wheels		Aluminum cast wheels	Cross-spoke wheels
	front	2.50 x 19"	2.15 x 21"
	rear		4.25 x 17"
Tires	Front	110/80 R 19	90/90 R 21
	Rear		150/70 R 17

Dimensions and weights

Total length	in.	90.4	89.4 F 900 GS 90.6 F 900 GSA
Total width with handguards	in.	35.8	37.1 F 900 GS 37.0 F 900 GSA
Seat height	in.	32.1	34.3 F 900 GS 34.4 F 900 GSA
DIN unladen weight	lbs.	500	483 F 900 GS 542 F 900 GSA
Permitted total weight	lbs.	970	981 F 900 GS 1,003 F 900 GSA
Fuel tank capacity	gal.	4.0	3.8 F 900 GS 6.1 F 900 GSA

Performance figures

0-62 mph	sec.	4.2	3.8 F 900 GS 3.7 F 900 GSA
Top speed	mph	118	124+

BMW Group in America

BMW of North America, LLC has been present in the United States since 1975. Rolls-Royce Motor Cars NA, LLC began distributing vehicles in 2003. The BMW Group in the United States has grown to include marketing, sales, and financial service organizations for the BMW brand of motor vehicles, including motorcycles, the MINI brand, and Rolls-Royce Motor Cars; Designworks, a strategic design consultancy based in California; a technology office in Silicon Valley and various other operations throughout the country. BMW Manufacturing Co., LLC in South Carolina is the BMW Group global center of competence for BMW X models and assembles the X3, X4, X5, X6 and X7 Sports Activity Vehicles as well as the BMW XM. The BMW Group sales organization is represented in the U.S. through networks of 350 BMW passenger car and BMW Sports Activity Vehicle centers, 145 BMW motorcycle retailers, 104 MINI passenger car dealers, and 38 Rolls-Royce Motor Car dealers. BMW (US) Holding Corp., the BMW Group's sales headquarters for North America, is located in Woodcliff Lake, New Jersey.

www.bmwgroup.com and www.bmwmotorcycles.com

Facebook: www.facebook.com/BMWMotorradUSA

Twitter: www.facebook.com/BMWMotorradUSA

YouTube: www.youtube.com/@bmwmotorrad

Journalist note: Information about BMW Group and its products in the USA is available to journalists on-line at www.bmwusanews.com and www.press.bmwgroup.com/usa.