

The new BMW K 1600 Grand America. Table of contents.



| | |
|--|-----------|
| 1. The new BMW K 1600 Grand America. | |
| (short version) | 2 |
| 2. Vehicle concept and design. | 6 |
| 3. Technology and riding experience. | 9 |
| 4. Fittings and accessories. | 12 |
| 5. Engine output and torque. | 16 |
| 6. Technical specifications. | 17 |

1. The new BMW K 1600 Grand America. (Short version)



P90280348

BMW Motorrad expands its range in the full dresser touring segment with the addition of a model designed specifically for comfortable travel. The BMW K 1600 Grand America sees its premiere at the world's biggest motorcycle trade show, the EICMA in Milan (7 – 12 November 2017). Derived from the BMW K 1600 B, the new model combines the supreme performance of its 6-cylinder engine with exclusive equipment features that make long-distance rides both comfortable and fascinating in American highway cruising style, whether solo or with a passenger.

The American way of travelling.

The design of the BMW K 1600 Grand America embraces the passion for relaxed, luxurious travel on two wheels that is especially widespread in the USA. For this purpose, the styling developed for the bagger concept of the BMW K 1600 B has been modified and a number of distinctive features have been added. In addition to the dynamically elongated side line that slopes evenly down to the rear, another clearly recognisable feature is the drop-shaped silhouette created from the visual link between the high-rising windshield and the low positioned side cases.

Chrome-plated rear silencers arranged parallel to the road are harmoniously integrated in the elegant, flowing design. The authentic look of the BMW K 1600 Grand America is rounded off with a topcase complete with

integrated passenger backrest. In addition to expanded transport capacity, the BMW Grand America offers significantly enhanced travel suitability due to the additional seating comfort for rider and passenger. The topcase is also an instantly recognisable indication of a vehicle concept developed specifically for extended touring.

American style: additional brake light integrated in the topcase.

The design of the BMW K 1600 Grand America is inspired by US custom bikes, and this is also reflected in other details at the rear. An additional brake light integrated in the topcase gives the rear view a distinctive presence. It also visually harmonised with the lights integrated in the side cases, which act as brake lights and turn indicators. All lighting is produced by means of LED units.

Maximum exclusivity: Style Package with paint finish in Austin Yellow metallic and Blackstorm metallic.

As standard, the new BMW K 1600 Grand America is finished in the powerful, elegant colour Blackstorm metallic. In addition to the BMW logo, the vehicle trim also bears a model designation with reference to the engine type. In addition, a high-quality badge is positioned centrally on the fuel tank with the inscription "K 1600 Grand America".

The Style Package specially created for the BMW Grand America ensures even further enhanced exclusivity. It consists of a two-colour paint finish combining Blackstorm metallic with the highly expressive Austin Yellow metallic, as well as chrome applications on the front wheel trim.

6-cylinder engine with distinctive performance characteristics.

Supreme drive power makes travelling long distances on the new BMW K 1600 Grand America a relaxing pleasure. The latest version of the distinctive BMW Motorrad 6-cylinder engine delivers its performance effortlessly in every situation on the road. The most compact 6-cylinder engine of its kind has an output of 118 kW/160 hp at 7 750 rpm, generating a maximum torque of 175 Nm at 5 250 rpm. In the new BMW Grand America it offers not just the familiar, apparently inexhaustible power reserves but also distinctive performance characteristics. Based on the principle of "The American Way of Riding", the top speed is limited to 162 km/h or 101 mph. This takes into account the fact that customisation with additional fittings in the rear section – as is popular in this vehicle segment – can impact significantly on wheel load distribution, so in terms of riding dynamics, stability and safety are guaranteed in all situations.

Electronic suspension Dynamic ESA and reverse assist as standard.

In addition to the engine, the standard electronically controlled suspension Dynamic ESA also contributes to the supreme riding qualities of the new BMW Grand America characterised by dynamic performance, comfort and stability. In the standard setting "Road" it provides fully automated damper adaptation, ensuring the very highest level of comfort and excellent traction on virtually all surfaces. What is more, "Cruise" mode can be activated for a very soft damper set-up and pronounced comfort.

Reverse assist, also a standard feature, facilitates manoeuvring of the new BMW Grand America. It is activated by pressing a button on the left-hand handlebar panel. The rider then uses the start button to set the bike in motion.

Relaxed "feet forward" position for long-distance travel.

The relaxed seating position available to rider and passenger is a feature that contributes to the incomparably comfortable ride feel offered by the BMW K 1600 Grand America – even over extremely long distances. The model is fitted as standard with footboards, allowing the rider to adopt a convenient "feet forward" posture. The passenger can also enjoy a comfortable seating position thanks to the low rear frame and a seat height that is reduced by 70 millimetres. Footboards are also available for the passenger as an optional extra.

Perfect weather protection due to high windshield.

The standard equipment of the new BMW Grand America also includes high-quality engine protection bars, heated grips, seat heating, cruise control and a model-specific windshield that is especially high. In conjunction with side trim that reaches a long way to the rear, it ensures perfect protection from wind and other adverse weather conditions. The integrated air ducting elements also supply the rider with fresh air as required. An audio system complete with navigation preparation is another feature on board the new BMW K 1600 Grand America as standard.

Meanwhile the selection of optional equipment items available ex works includes Shift Assistant Pro, the eCall system Intelligent Emergency Call available in European markets with ConnectedDrive capability, the Comfort Package, the Safety Package, various seat heights and forged handlebars. The program of Original BMW Motorrad Accessories enables further customisation.

An overview of highlights of the new BMW K 1600 Grand America:

- Ultimate luxury touring motorcycle in American style.
- Authentic, harmonious design with dynamically elongated side line that slopes to the rear.
- Topcase with integrated passenger backrest and additional transport capacity for particularly long trips.
- Side cases and topcase with integrated lighting units.
- Optional Style Package with two-colour finish in Blackstorm metallic / Austin Yellow metallic.
- 6-cylinder in-line engine that meets EU4 requirements with an output of 118 kW/160 hp at 7 750 rpm and a maximum torque of 175 Nm at 5 250 rpm.
- Top speed limited to 162 km/h or 101 mph.
- Electronic suspension Dynamic ESA with damping modes "Road" and "Cruise" as standard.
- Reverse assist for effortless manoeuvring as standard.
- Effective weather protection due to particularly high windshield.
- Low rear frame, passenger seat reduced by 70 millimetres and ergonomically adapted footrest position.
- Footboards for relaxed "feet forward" rider seating position as standard.
- Footboards available for passenger as Original BMW Motorrad Accessory.
- Shift Assistant Pro for shifting up and down without clutch activation as an ex works option.
- Intelligent Emergency Call as an ex works option for rapid assistance in an accident or emergency (only available in European markets with ConnectedDrive capability).
- Standard equipment also includes engine protection bars, ABS Pro, Dynamic Traction Control DTC, xenon headlight, heated grips, seat heating, Multi-Controller, three riding modes (Rain, Road, Dynamic), cruise control, audio system with navigation preparation.
- Diverse range of optional equipment items (adaptive turning light, daytime riding light, Keyless Ride, Hill Start Control, central locking etc.).
- Wide range of Original BMW Motorrad Accessories (forged wheels, chrome-plated mirror caps, navigation system etc.)

2. Vehicle concept and design.



As an ultimate luxury American-style touring motorcycle, the new BMW K 1600 Grand America combines supreme 6-cylinder performance with outstanding ride comfort as well as exclusive features dedicated to relaxed cruising on long highways that stretch out to the horizon. The new model has the potential to offer both rider and passenger a very high level of comfort even when covering lengthier distances. The fascination of long-distance travel and boundless freedom on two wheels is conveyed by the design of the BMW Grand America.

The American way of travelling.

The new model is based stylistically on the BMW K 1600 B and the special design developed for that model's bagger concept. The central feature is the drop-shaped silhouette running from the high windshield to the low side cases. This creates a dynamic, elegantly elongated side line that reflects ergonomics geared towards maximum relaxation and ride comfort cultivated to perfection – enabled by the particularly low rear frame, which was already entirely newly developed for the bagger. This also creates the basis for a passenger seat height that is reduced by 70 millimetres.

The chrome-plated rear silencers arranged parallel to the road are harmoniously integrated in the motorcycle's characteristic lines. The silencers feature additional high-quality trim elements in blasted stainless steel in the area of the catalytic converters.

The topcase: individual look, expanded transport capacity, enhanced comfort.

As a distinctive feature, the BMW K 1600 Grand America is fitted with a topcase complete with integrated passenger backrest. In addition to expanding transport capacity, this offers enhanced travel comfort and is also an instantly recognisable indication of a vehicle concept developed specifically for extended touring.



P90280362

The side cases are bolted permanently to the rear frame and exhibit an optimised geometry: a particularly deep body and a flat lid make for convenient and effective loading with travel luggage. The topcase is fitted with a singled-handed operation system. After being lowered, the lid remains in position and can then be conveniently closed.

Integrated rear lights in American style.



P90280363

The design of the BMW K 1600 Grand America is inspired by US custom bikes, and this is also reflected in other design details at the rear. The rear light units consisting of rear light and turn indicators are integrated in the side cases in typical American style.

A brake light integrated in the topcase gives the rear view an enhanced presence, as well as harmonising visually with the lights integrated in the side cases. All lighting components feature LED technology. In addition to their high-quality appearance, they also offer a high level of energy efficiency and durability.

High windshield, harmoniously integrated mirrors.

In addition, the hallmark appearance of the new the BMW K 1600 Grand America is especially characterised by its high windshield. In conjunction with side trim that reaches a long way to the rear, the latter provides optimum protection from wind and other adverse weather conditions for both rider and passenger.

The two mirrors also blend in harmoniously with the overall look of the new BMW Grand America. They offer large mirror surfaces with an aspherical section to ensure an optimised view to the rear.

Maximum exclusivity: Style Package with two-colour paint finish.

As standard, the new BMW K 1600 Grand America is finished in the powerful, elegant colour Blackstorm metallic. In addition to the BMW logo, the trim also bears a model designation with reference to the engine type. A high-quality badge is also positioned on the fuel tank with the inscription "K 1600 Grand America".

The Style Package specially created for the new BMW Grand America ensures even further enhanced exclusivity. It consists of a two-colour paint finish combining Blackstorm metallic with the highly expressive Austin Yellow metallic, as well as chrome applications on the front wheel trim.



P90280349



P90280350

3. Technology and riding experience.



In addition to the 6-cylinder engine's spontaneous dynamic performance and unrivalled running smoothness, the exceptionally sophisticated suspension technology of the new BMW K 1600 Grand America also contributes to the model's outstanding status within the segment of luxury touring bikes. What is more, its technology highlights are combined with a sophisticated underlying concept consisting of a bridge-type frame developed specifically by BMW Motorrad for the 6-cylinder touring bike, modern wheel guidance systems, a low centre of gravity and a balanced wheel load distribution. This combination gives rise to the kind of supremacy that makes every journey an enthusiastically accepted challenge, no matter what the destination and however great the distance.

Supreme power from six cylinders.

As the epitome of supreme power delivery and outstanding running smoothness, the 6-cylinder engine of the new BMW Grand America is the perfect form of propulsion for comfortable cruising over long distances and with large amounts of luggage. From a capacity of 1 649 cc, the 6-cylinder draws a maximum output of



P90280365

118 kW/160 hp at 7 750 rpm along with a maximum torque of 175 Nm at 5 250 rpm.

What is more, the engine in the new BMW Grand America is by far the lightest and – due to the very reduced cylinder spacing – also the most compact 6-cylinder power unit to be found in a volume production motorcycle in the capacity category over 1000 cc. These excellent figures contribute additionally to the excellent riding dynamics of the new BMW Grand America. Based on the principle of "The American Way of Riding", the top speed is limited to 162 km/h or 101 mph. This takes into account the fact that customisation with additional fittings in the rear section – as is popular in this vehicle segment – can impact significantly on wheel load distribution, so in terms of riding dynamics, stability and safety are guaranteed in all situations.

The configuration of drive technology and exhaust gas purification in the new BMW K 1600 Grand America has been geared towards the type test according to the requirements of the EU4 standard. For this reason it has such features as the necessary engine mapping, a fuel system with carbon canister for fuel tank ventilation and an exhaust system with further developed catalytic converters. The dynamically designed end pieces of the exhaust system feature horizontal ribs that visually underscore the model's distinctive 6-cylinder character.

6-speed gearbox, optionally with Shift Assistant Pro.

Power transmission is via a helically toothed 6-speed gearbox, and the drive torque reaches the rear wheel via a traditional universal shaft. Shift Assistant Pro is optionally available for the new BMW Grand America: this enables most gearshifts to be carried out without using the clutch. This gives the rider additional convenience, while the shorter shift times also boost dynamic performance.

The throttle valve no longer has to be closed using the throttle grip during acceleration, and there is virtually no torque interrupt when changing gear. When decelerating and shifting down with the throttle valve closed, the engine speed is automatically adapted by means of double-declutching. Gears are engaged as usual by means of the gear pedal. Shift support is only suspended when the clutch is already activated, when shifting up into coasting mode and during deceleration.

Comfortable manoeuvring with reverse assist as standard.

The standard reverse assist facilitates manoeuvring of the BMW Grand America. It is activated by pressing a button on the left-hand handlebar panel. This blocks the forward gear and reverse assist is activated. The rider then uses the start button to set the bike in motion. Power is provided conveniently by the electric drive of the starter motor, until such time as the starter button is released and reverse assist is deactivated again.

Three riding modes and DTC for top-level comfort and safety.

The three riding modes "Rain", "Road" and "Dynamic" are available for the rider of the new BMW Grand America to choose from for different purposes. They can be selected by pressing a button at the right-hand end of the handlebars. The traction control function DTC is combined individually with each of the different riding modes and is fully harmonised with them so as to ensure maximum riding safety. The new BMW Grand America is fitted as standard with ABS Pro.

Hill Start Control is available as an option in conjunction with the Safety Package: this system prevents the motorcycle from rolling back when starting on a slope by maintaining the deceleration effect of the brake for about three seconds after release.

High-quality suspension technology, harmonious wheel load distribution.

The well-established underlying concept of the BMW Motorrad 6-cylinder touring motorcycles provides the perfect basis for the dynamic, comfortable and also safe riding response of the new BMW K 1600 Grand America. This particularly includes the high-quality light alloy bridge-type frame and the BMW Motorrad systems Duolever and Paralever for the purpose of wheel guidance at the front and rear. The BMW Grand America also benefits from a low overall centre of gravity with a very favourable concentration of masses and a balanced wheel load distribution for excellent riding properties.

Electronic suspension Dynamic ESA as standard.

In addition to the engine, the standard electronically controlled suspension Dynamic ESA also contributes to the supreme riding qualities of the new BMW Grand America characterised by dynamic performance, comfort and stability. Using various parameters, the different riding states such as acceleration and deceleration are



P90280359

precisely identified so that the damping forces on the front and rear spring strut can be adapted within milliseconds. As a result, excellent damping comfort and a very stable ride response is ensured even in banking position.

In the standard setting "Road", Dynamic ESA provides fully automated damper adaptation to ensure the very highest level of comfort and excellent traction on virtually all surfaces. The "Road" riding mode provides optimum damping force in all riding states and regardless of load. In addition, the spring preload can be adapted to the load at the press of a button regardless of damping. What is more, "Cruise" mode can be activated for a very soft damper set-up and pronounced comfort.



4. Fittings and accessories.

With its extensive and exclusive range of fittings, the new BMW K 1600 Grand America conveys the kind of freedom that can be sensed when no constraints are imposed on the passion for travel on two wheels. The standard features, optional equipment items available ex works and products from the range of Original BMW Motorrad Accessories perfectly match the new model with its design inspired by American custom bikes, as well ideally reflecting the incomparably supreme performance of its engine and suspension. The result is an overall package that makes for a fascinating riding experience – a feeling that sets in instantly and doesn't let up even after hundreds of kilometres.

Relaxed "feet forward" position for long-distance travel.

The seating position is crucial when it comes to luxury and comfort over long distances. The new BMW Grand America is fitted with footboards as standard, allowing the rider to adopt an entirely relaxed "feet forward" posture. Excellent ride comfort for the passenger is ensured by the backrest integrated in the topcase as well as ergonomically positioned grab handles. Footboards and armrests are also available for the passenger seat as Original BMW Motorrad Accessories.



P90280352

The passenger also enjoys a comfortable seating position thanks to the low rear frame and a seat height that is reduced by 70 millimetres. The seat height can be ordered 30 millimetres lower or higher ex works if desired.

Perfect weather protection due to high windshield.



P90280361

Another particular feature of the new BMW K 1600 Grand America is the model-specific windshield, which is extra high. In conjunction with side trim reaching a long way to the rear with air ducting elements, it ensures perfect protection from wind and other adverse weather conditions.

The new BMW K 1600 Grand America also comes with high-quality engine protection bars, a xenon headlight, heated grips, seat heating, reverse assist and cruise control as standard. An audio system complete with navigation preparation is another feature on board the new BMW K 1600 Grand America as standard.

The choice of optional equipment items available ex works includes Shift Assistant Pro, Intelligent Emergency Call and forged handlebars as well as the Style Package, Comfort Package and Safety Package. The eCall system Intelligent Emergency Call is available in all European markets with ConnectedDrive capability: this establishes a connection with the qualified BMW Call Centre in the event of an accident, emergency or hazard, thereby ensuring help arrives as quickly as possible. The program of Original BMW Motorrad Accessories enables further customisation.

Optional equipment is supplied directly ex works and integrated in the production process. Original BMW Motorrad Accessories are installed by the BMW Motorrad dealer: these items can also be retrofitted.

Optional equipment.

- **Safety Package:** Adaptive turning light, daytime riding light, tyre pressure control
RDC, Hill Start Control.
- **Comfort Package:** Shift Assistant Pro, central locking, alarm system, Keyless Ride, additional LED headlight.
- **Style Package:** Two-colour paint finish in Austin Yellow metallic / Blackstorm metallic, chrome applications on the front wheel trim.
- Shift Assistant Pro.
- Intelligent Emergency Call.
- Keyless Ride.
- Central locking (only in conjunction with alarm system).
- Alarm system (only in conjunction with central locking).
- Additional LED headlight.
- Seat, low (750 millimetres)
- Seat, extra high (810 millimetres)
- Forged handlebars.
- Centre stand.

Original BMW Motorrad Accessories.

Storage.

- Case liners.
- Impact protection for cases.
- Fuel tank bag, waterproof.
- Vario insert for tank rucksack.

Design.

- Wind deflector, chrome-plated.
- Slipstream deflectors, chrome-plated.
- Mirror caps, chrome-plated.
- Case strips, chrome-plated.
- Forged wheels.

Ergonomics and comfort.

- Passenger footboards.
- Passenger armrest.
- Heat protection element.

Navigation and communication.

- Navigator VI.
- Dual USB charger with cable for 12V socket.

Safety.

- Ground lighting (only in conjunction with central locking; only for certain countries (not ECE)).
- Alarm system without central locking.
- Brake disc lock with integrated alarm system.
- BMW Motorrad warning triangle.
- First aid set, large.
- First aid set, small.

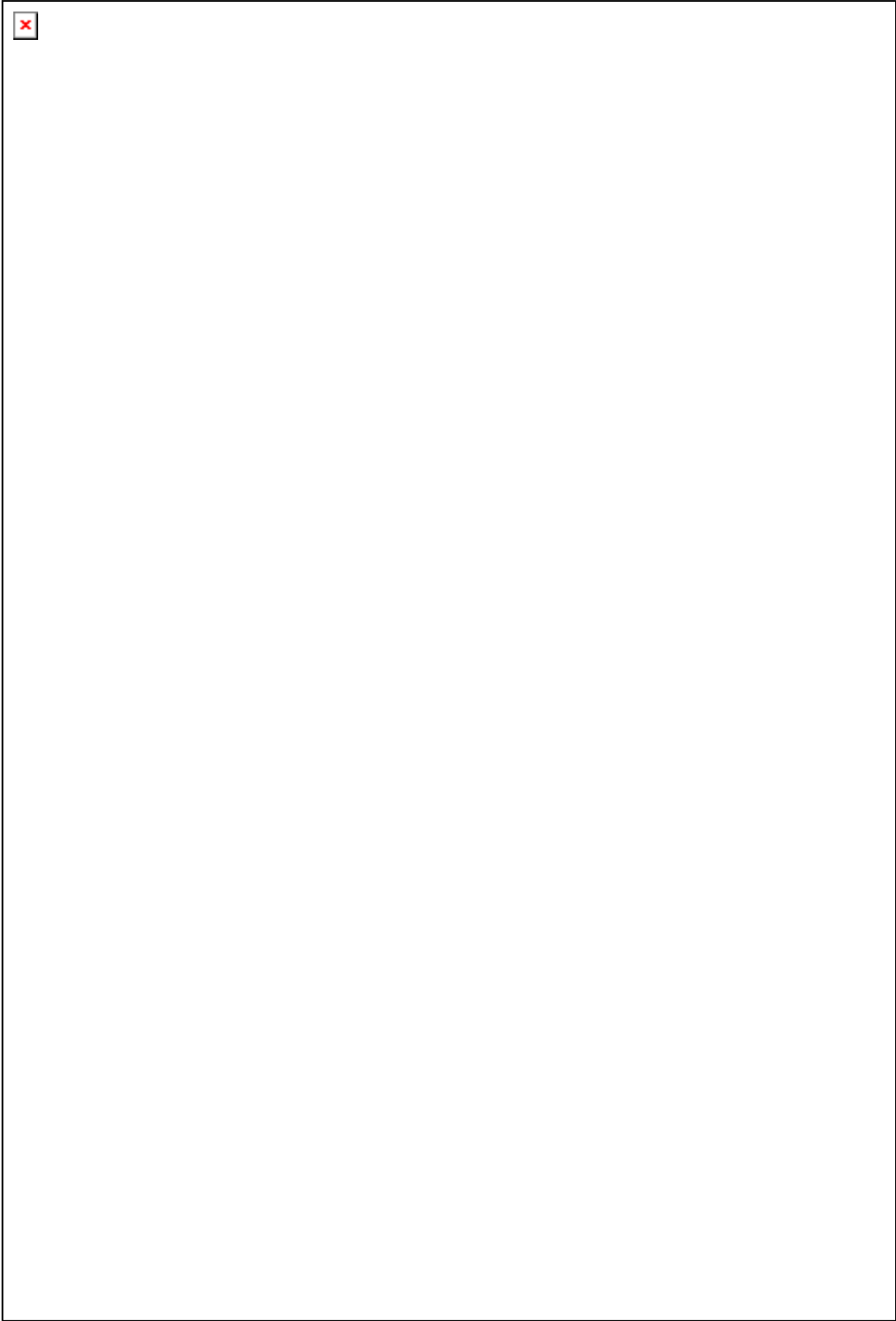
Maintenance and technology.

- BMW Motorrad battery charger 230 V.
- BMW Motorrad battery charger 110 V.
- BMW Motorrad battery charger for UK.
- Multifunction tool.
- Mini foot pump.
- Repair set for tubeless tyres.



P90280367

4. Engine output and torque.



5. Technical specifications.



| BMW K 1600 Grand America | | |
|-------------------------------------|-------|---|
| Engine | | |
| Capacity | cc | 1649 |
| Bore/stroke | mm | 72/67.5 |
| Output | kW/hp | 118/160 |
| at engine speed | rpm | 7 750 |
| Torque | Nm | 175 |
| at engine speed | rpm | 5 250 |
| Type | | Series |
| No. of cylinders | | 6 |
| Compression/fuel | | 12.2:1 / Premium unleaded (95 RON) |
| Valve control | | Bucket tappets |
| Valves per cylinder | | 4 |
| Ø intake/outlet | mm | 29/24.8 |
| Throttle valve diameter | mm | 52 |
| Engine control | | BMS-X |
| Homologation standard | | EU4 |
| Electrical system | | |
| Alternator | W | 700 |
| Battery | V/Ah | 12/19 |
| Headlight | | Xenon low-beam headlamp Halogen high-beam headlamp |
| Starter | kW | 0.7 |
| Power transmission – gearbox | | |
| Clutch | | Multi-plate wet clutch, hydraulically activated |
| Gearbox | | Constant-mesh 6-speed gearbox, helical cut |
| Primary ratio | | 1.617 |
| Transmission ratios | I | 2.230 |
| | II | 1.641 |
| | III | 1.319 |
| | IV | 1.101 |
| | V | 0.926 |
| | VI | 0.788 |
| Rear wheel drive | | Universal shaft, bevel gear |
| Transmission ratio | | 2.75 |
| Suspension | | |
| Frame construction type | | Aluminium bridge-type frame, load-bearing engine |
| Front wheel control | | BMW Motorrad Duolever |
| Rear wheel control | | BMW Motorrad Paralever, central spring strut |
| Spring travel, front/rear | mm | 115/125 |
| Wheel castor | mm | 106.4 |
| Wheelbase | mm | 1618 |
| Steering head angle | ° | 62.2 |

| BMK K 1600 Grand America | | |
|--|----------|--|
| Brakes | front | Twin disc brake, Ø 320 mm, radial 4-piston fixed calipers |
| | rear | Single disc brake, Ø 320 mm, 2-piston floating caliper |
| ABS | | BMW Motorrad ABS (partial integral) |
| Traction control | | Optional BMW Motorrad DTC |
| Wheels | | Aluminium cast wheels |
| | front | 3.50 x 17" |
| | rear | 6.00 x 17" |
| Tyres | front | 120/70 ZR 17 |
| | rear | 190/55 ZR 17 |
| Dimensions and weights | | |
| Total length | mm | 2 560 |
| Total width with/without mirrors | mm | 1 000/980 |
| Seat height (without rider) | mm | 780 |
| Optional low seat | mm | 750 |
| Optional high seat | mm | 810 |
| DIN unladen weight, road ready, fully fuelled | kg | 364 |
| Permitted total weight | kg | 560 |
| Fuel tank capacity | l | 26.5 |
| Performance figures | | |
| Fuel consumption (WMTC) | l/100 km | 5.7 |
| Acceleration 0-100 km/h | s | 3.2 |
| Top speed | km/h | 162 |