



#### **Media Information**

October 28, 2021

#### The new 2022 BMW K 1600 GT, GTL, B and Grand America

- New 6-cylinder BMW motorcycle models.
- 1,649 cc inline-6 delivers 160 hp and 133 lb-ft of torque.
- New full-color 10.25-inch TFT multifunction display. MSRP starting at \$22,545 for K
   1600 B.

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Market launch in February 2022.

**Richmond Hill, ON** BMW Motorrad Canada is proud to announce the new 2022 BMW K 1600 models – the K 1600 GT, K 1600 GTL, K 1600 B and K 1600 Grand America.

Special MSRP pricing begins at \$292,700545 for the K 1600 B, \$23,89529,950 for the K 1600 GT,

\$26,89533,500 for the K 1600 GTL and \$27,74534,300 for the K 1600 Grand America. Pricing does not include \$645 destination.

The Grand America model is an optional package for the 2022 BMW K 1600 B.

Six-cylinder in-line engines have been in integral part of BMW's motorcycle line-up since the introduction of the original K 1600 in 2010, The BMW K 1600 represents the ultimate interpretation of high-performance, luxurious touring and cruising. The K 1600 GT represents the agile, dynamic variant of the six-cylinder lineup, while the K 1600 GTL with its more comfortable ergonomics and standard top case focuses more on longer distance riding.

The K 1600 B provides low-slung "streamliner" bagger styling accompanied by its moto

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"The Spirit of the Open Road". It represents elegance, power and luxury on two wheels to allow the rider to experience every road, every tour and every moment. Derived from the K 1600 B, the K 1600 Grand America combines the superior performance of the six cylinder in-line engine with exclusive equipment features that make long-distance rides an experience that is as comfortable as it is exhilarating, for both rider and passenger.

#### Highlights of the new 2022 BMW K 1600 GT, GTL, B and Grand America include:

- Revised six-cylinder in-line engine meeting EU-5 regulations and new BMS-O engine control.
- Two knock sensors and four lambda probes (previously two).
- Power: 160 hp (unchanged) at 6,750 rpm (previously 7,750 rpm).
- Torque: 133 lb-ft at 5,250 rpm (previously 129 lb-ft).
- Improved acceleration across the entire speed range thanks to increased torque.
- Knock sensors for optimized riding capability.
- Engine drag torque control (MSR) standard.
- Dynamic ESA "Next Generation" electronic suspension with fully automatic load compensation - standard.
- New full LED adaptive headlight standard.
- Connectivity: New full-color 10.25-inch TFT multifunctional instrument cluster with numerous features such as easy-to-use telephone with extended smartphone connection - standard.
- 4 programmable "favorite" buttons standard.
- New optional audio system 2.0.
- One standard color, one style variant and one Option 719 variant each.
- Option 719 "Midnight" for K 1600 B and K 1600 Grand America: Paintwork in meteoric dust II metallic with "Galaxy" theme applied by water transfer printing method.
- Extended range of optional equipment and original BMW Motorrad accessories.

Six-cylinder in-line engine with new engine control, knock sensor system, revised emissions and engine drag torque control.

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The heart of the new K 1600 GT, GTL, B and Grand America is the narrowest six\_cylinder in-line engine in motorcycle series production, with a width of only 21.9-inches and a weight of 226 lbs. Its displacement remains unchanged at 1,649 cc. In the new six\_cylinder models, this engine delivers absolutely superior touring characteristics and riding capability combined with the highest levels of performance.

For use in the new K 1600 GT, GTL, B and Grand America, the six-cylinder engine has been adapted to current EU-5 regulations. From a technical point of view, the use of the BMS engine control, two knock sensors and two additional lambda probes represents the centerpiece of the updates. The two knock sensors are on the rear side of the cylinder bank at cylinders 2 and 5, which enables optimized ignition timing. They also allow the use of fuel of varied quality which is particularly beneficial when travelling in remote corners of our planet.

In addition to the two lambda sensors positioned at each of the junctions of three exhaust manifolds, two further lambda sensors are now located behind the two catalytic converters, which allows for an even more precise determination of the residual oxygen level in the exhaust gas and thus an even more precise mixture of air/fuel and ignition by the engine control.

In addition to drastically improved emission values, there are also noticeable benefits to the power and torque of the six-cylinder engine. The power output of 160 hp is now achieved at 6,750 rpm – 1,000 rpm sooner than before. Maximum torque increases from 129 lb-ft to 133 lb-ft at 5,250 rpm. This improves acceleration – especially in the riding\_relevant range from 3,500 to 7,000 rpm.

The engine drag torque control (MSR) is also new. With MSR, undesirable riding conditions, which can develop when down-shifting for example, due to excessive rear wheel slip can be avoided. In these cases, the engine drag torque control opens the throttle valves to level the drag torque and stabilize the motorbike.





From a technical point of view, engine drag torque control compares the rotational speeds of the front and rear wheels in the same way as the standard dynamic traction control (DTC) and thus determines the slip or traction capacity at the rear wheel. In addition, heel angle information from the new 6-axis sensor box is used.

The level of control depends on the riding mode: in "Rain" and "Road" riding modes, engine drag torque control ensures maximum riding stability. In "dynamic" riding mode, on the other hand, the control permits slightly more rear wheel slip.

## Dynamic ESA "Next Generation" electronic suspension with fully automatic load compensation.

The BMW Motorrad Dynamic ESA "Next Generation" (Electronic Suspension Adjustment) on the new K 1600 GT, GTL, B and Grand America enables higher levels of riding safety, performance and comfort, because damping is automatically adapted to the riding conditions and riding style. The system includes automatic load level compensation.

The signals from the new 6-axis sensor box and the two sensors at the front and rear enable comprehensive data collection and thus sensitive adjustment of the K 1600 to the riding conditions. Riding conditions such as spring compression, acceleration and deceleration are also recorded and are used to adjust the damping forces on the rear suspension strut and the Duolever front suspension. This adjustment is made by electrically operated control valves within milliseconds. Even in an inclined position, optimum damping comfort and stability are achieved.

In the standard configuration for "Rain" and "Road" riding modes (for K 1600 B and K 1600 Grand America: "Cruise" and "Road") Dynamic ESA "Next Generation" is preset to the "Road" damping characteristics. By pressing a button on the handlebar, the rider can switch to the "Dynamic" damping characteristics and thus a firmer damping setting for these riding modes. In "Dynamic" riding mode, the firmer "Dynamic" damping option is preset, and it is possible to switch to the "Road" damping option by pressing a button.





#### New full LED adaptive headlight for exceptional illumination of the road.

BMW Motorrad has been a pioneer for decades in terms of motorcycle safety. Accordingly, the new K 1600 GT, GTL, B and Grand America provide LED lighting as standard. The new full LED headlight illuminates the road with a bright, clear light and consists of an LED module with a total of nine LEDs for the low-beam headlight and four more LED modules with two LEDs for the two high-beam headlight modules.

The standard turning "adaptive headlight" function features a low-beam LED headlight which turns into the curve according to the heel angle. Curves are thus almost fully illuminated because the light is where the K 1600 is heading. Due to the enhanced turning function of  $\pm$  35° (previously  $\pm$  24°) the horizon of the light remains constant and is adapted seamlessly to the leaning position. In addition, by turning the entire headlight unit up or down  $\pm$ 2° during acceleration and braking, optimum illumination is ensured at all times.

#### New "Welcome", "Good-bye" and "Follow me home" light functions.

New light functions make the experience with the new six-cylinder K 1600 models even more comfortable and practical. For example, when the ignition is switched on, a welcome light function is activated. The headlight and rear light remain on for a short time and then fade to the waiting state before the engine starts. The transitions are dimmed in stages in the process.

After switching off the ignition, the front and rear lights are also automatically activated briefly for the "Good-bye" function which illuminates the area around the motorcycle.

Another new function is the "Follow me home" function which, after switching off the ignition, allows the rider to activate the lights by briefly pressing the high-beam headlight button. The ignition and other functions not used for orientation and light





sources remain switched off. This light function provides optimum visibility at night, for example when maneuvering in parking spaces or opening the garage at home.

The optional floor lighting not only increases attention - it can also be a practical aid, for example when parking the K 1600 in the dark using the side or center stand, for a better assessment of the condition of the ground. Anything that is dropped can also be quickly found.

New standard 10.25-inch TFT color display with integrated map navigation, easy-to\_use route planning and comprehensive connectivity.

The new K 1600 GT, GTL, B and Grand America are equipped with a standard new 10.25-inch TFT color display with integrated map navigation and connectivity. Thanks to excellent readability, clear menu navigation and a highly integrated operating concept, means that the new K 1600 remains at the forefront of its motorcycle segment. The new 10.25-inch color display allows a navigation map to be displayed on the instrument cluster, eliminating the need for a stand-alone navigation unit.

For protection against the elements, the display is equipped with a hardened and thus extremely tough glass cover. For optimum viewing, it is anti-reflective and protected against dirt by a fingerprint-resistant coating. The display features full HD resolution in  $1920 \times 720$  pixels.

In the "full screen" view, the full capability of the display becomes visible. The alternative "split screen" view allows several functional areas to be shown simultaneously and clearly and controlled using the multi-controller. The speedometer and tachometer as well as the basic functions and the selection menu are displayed on the main "Pure Ride Screen". Alternatively, the navigation map is displayed if navigation is active via the BMW Motorrad Connected app. Either the instrument cluster, the on-board computer, arrow navigation, a current phone call or radio / media are displayed on the additional split screen.

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The "My vehicle", "Navigation", "Radio", "Media", "Telephone" and "Settings" menus can be selected via displayed tiles. Features such as cruise control, riding modes and audio / radio are seamlessly integrated into the display, making them easy to use.

The display has two radio antennas for connections such as to the helmet or smartphone. One antenna is available for Bluetooth and another one enables data exchange both via W-LAN and also Bluetooth.

Vehicle functions such as "Settings", "Navigation" or "Communication" are controlled using the standard multi-controller. The "favorite button" was developed with the aim of simple and intuitive operation based on the rider's needs. The unit of four buttons is located on the left side of the fairing panel below the handlebars and enables access to 18 functions such as "audio" or "heated grips" using two-stage buttons, making it easier to select and operate the functions. Two-stage buttons mean that when pressed gently, information is provided on what function is available at that button and what can be set. If the button is pressed beyond the resistance point, the function behind it becomes operable. The buttons can be configured individually and are not preset from the factory.

With the new 10.25-inch TFT color display, the new K 1600 GT, GTL, B and Grand America also provide an integrated platform for the use navigation through the BMW Motorrad Connected app with a fully interactive map view. The navigation map is mirrored on the display via WLAN and navigation options can be controlled using the multi-controller. The smartphone-based architecture means navigation is always on board, and changes to the route during a coffee break or sharing the route with friends becomes simple.

With the smartphone app, the rider also continuously receives the latest software for navigation. In addition, the app enables maximum flexibility during planning. This means planning can be carried out in the app itself and you can apply planned routes e.g. from base camp or download route suggestions from an internet portal.

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The BMW Motorrad Connected app can be obtained free of charge from the Google and Apple app stores. It contains further attractive additional functions, such as recording driven routes or displaying riding statistics and information. Recorded routes can be shared directly with other bikers via the Rever Community.

Easy-to-use extended smartphone connection and use is also available. A smartphone can be safely accommodated in a splash-proof and electrically ventilated storage compartment above the TFT display, and its battery can be charged via a USB-C cable.

The smartphone is protected from unwanted removal by the windscreen that – like with the predecessor – automatically moves to the lower position after the ignition is switched off. The charging storage compartment cannot be locked. To remove it, it is sufficient to switch on the ignition and press the release button. The windscreen immediately raises, and the lid of the charging storage compartment opens in a cushioned manner as soon as the windscreen reaches the topmost position.

Inside the storage compartment the smartphone is firmly held via a flexible bracket. A charging current of up to 1,500 mA at 5 V (equivalent to a charging capacity of 7.5 W) can be transferred, which also enables quick charging, depending on the type of smartphone. This means there is always sufficient energy during active navigation, for example. Ventilation by an electric fan reduces the heat generated when operating the smartphone and a seal on the storage compartment cover provides reliable protection against splashing water.

#### Audio system 2.0 - a new digital sound dimension.

With standard audio system 2.0, the new K 1600 GTL and Grand America provide an intensive sound experience. The audio system is available as an option for the K 1600 GT and K 1600 B. A striking feature of the new audio system 2.0 is that the antennas for radio reception are now integrated into the bodywork.





Whereas the previous audio system was connected to the motorcycle as a primarily independent system, the new audio system 2.0 is integrated into the electrical system. Menu control and setting options as well as the unique display screens make the audio experience a seamless listening experience.

The highlights of the new audio system include:

- Studio profile: optimized for listening experience without helmet audio.
- Bass-boost, treble-boost, voice and balanced profiles: optimized for maximum listening experience with in-helmet audio.
- Highly flexible sound architecture (treble/bass) with a wide range, even at high speeds.
- Standard SiriusXM satellite radio with <u>6-month</u> subscription.

#### Colors, exclusive styles and Option 719 variants.

The new K 1600 GT, GTL, B and Grand America are available in three attractive color options each: a standard color, a style variant and with Option 719. Option 719 "Midnight" is particularly noteworthy, which is only available for K 1600 B and K 1600 Grand America. The highlight of this variant is the paint finish in meteoric dust II metallic with the "Galaxy" theme depicted using the water transfer printing method. This is a method with which objects can be fully or partially coated with a pattern or graphic.

Backing films, which are activated in a water bath, are used as the medium for the later pattern or graphic. The object to be coated is pressed on to the film in the water bath and immersed. During this process, the pattern or graphic on the backing film is transferred to the object. Finally, a coat of two-component clear is applied for sealing. As this is done by hand only, each Option 719 "Midnight" is truly unique.

#### K 1600 GT: Standard

- Black storm metallic body color.
- Frame in black.
- Engine in black.

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- Seat in black.
- Front fender in black storm metallic.
- Radiator cowls in night black matt.
- Tank center cover in black storm metallic.
- Slipstream deflector trim in black storm metallic.
- Front brake calipers in black.

#### K 1600 GT: Sport style

- Light white/racing blue metallic/racing red body color.
- Frame in black.
- Engine in black.
- Seat in black with grey piping and decorative stitching.
- Front part of the front fender in light white.
- Radiator cowls in night black matt.
- Tank center cover in black storm metallic.
- Slipstream deflector trim in black storm metallic.
- Gold-anodized front brake calipers.

#### K 1600 GT: Option 719

- Mineral White metallic body color with lines.
- Frame in black.
- Engine in black.
- Seat in black. (Optional Option 719 seat with diamond top-stitching in saddle brown and cloud print)
- Front part of the front fender in mineral white metallic.
- Radiator cowls in night black matt.
- Tank center cover in mineral white metallic.
- Chrome slipstream deflector trim.
- Front brake calipers in black.
- Optional Option 719 classic forged rims.

#### K 1600 GTL: Standard

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- Black Storm metallic body color.
- Frame in monolith metallic matt.
- Engine in platinum.
- Seat in black.
- Front fender in black storm metallic
- Engine spoiler in monolith metallic matt.
- Tank center cover in black storm metallic.
- Slipstream deflector trim in black storm metallic.

#### K 1600 GTL: Exclusive style.

- Gravity Blue metallic body color.
- Frame in monolith metallic matt.
- Engine in platinum.
- Seat in black.
- Front fender in gravity blue metallic, rear part in monolith metallic matt.
- Engine spoiler in monolith metallic matt.
- Tank center cover in black storm metallic.
- Chrome slipstream deflector trim.
- Chrome strips on cases.

#### K 1600 GTL: Option 719.

- Mineral White metallic body color with lines.
- Frame in monolith metallic matt.
- Engine in platinum.
- Seat in black. (Optional Option 719 seat with diamond top-stitching in saddle brown and cloud print)
- Front fender in mineral white metallic with chrome bar, rear part in monolith metallic matt.
- Engine spoiler in monolith metallic matt.
- Tank center cover in mineral white metallic.
- Chrome slipstream deflector trim.
- Chrome strips on cases.





• Optional Option 719 classic forged rims.

#### K 1600 B and K 1600 Grand America: Standard.

- Black Storm metallic body color.
- Frame in black.
- Engine in black.
- Seat in black.
- Front part of the front fender in black storm metallic.
- Engine spoiler in night black matt.
- Tank center cover in black storm metallic.
- Slipstream deflector trim in black storm metallic.

#### K 1600 B and K 1600 Grand America: Exclusive style.

- Manhattan metallic matt body color.
- Frame in black.
- Engine in black.
- Seat in black.
- Front part of the front fender in Manhattan white metallic.
- Engine spoiler in night black matt.
- Tank center cover in black storm metallic.
- Slipstream deflector trim in black storm metallic.

#### K 1600 B and K 1600 Grand America: Option 719 "Midnight".

- Meteoric dust II metallic body color with water transfer printing method.
- Frame in black.
- Engine in black.
- Option 719 seat in black with diamond top-stitching and model designation.
- Front part of the front fender in meteoric dust II metallic.
- Engine spoiler in night black matt.
- Tank center cover in meteoric dust II metallic.
- Slipstream deflector trim in meteoric dust II metallic.
- "Midnight" badge.





#### Standard equipment

The new 2022 K 1600 includes the following notable standard equipment:

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• 10.25-inch TFT screen with BMW Motorrad Connected app navigation

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- Shaft-drive
- Anti-hopping clutch
- Reversing aid
- Hill Start control pro
- Dynamic Engine Brake control
- Adjustable windscreen
- Cast aluminum wheels
- Duo-lever front suspension
- Paralever rear suspension
- Integral ABS with ABS Pro
- Dynamic Traction control
- Dynamic ESA
- Steering stabilizer
- Tire pressure monitor
- 12v power socket
- Cooled, mobile device charging compartment
- Electronic immobilizer
- Heated grips and seat
- Adaptive LED headlight, LED turn signals and rear light
- Multi-controller
- Programable function buttons
- Dynamic cruise control
- Ride modes
- Luggage rack
- Center stand
- Comfort footrests

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- Integrated side cases in body color
- Top case in body color (K 1600 GTL)

#### Optional equipment and original BMW Motorrad accessories.

#### K 1600 GT

#### **Comfort** Package

- Keyless Ride
- Central Locking System
- Gear Shift Assist Pro
- Anti-Theft Alarm

#### Touring Package

- Audio System 2.0
- LED <u>auxiliary lights</u>
- Engine protection bar

#### Stand-alone Options

- .\_\_
- Option 719 bench seat
- Floor Lighting
- Option 719 forged classic wheels
- Low seat <u>-</u>30.7-inch / 31.5-inch seat height <u>(780mm/800m)</u>

#### K 1600 GTL

- Keyless Ride
- Central Locking System
- Gear Shift Assist Pro
- Anti-Theft Alarm
- LED fog lights

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#### Stand-alone options

- Option 719 bench seat
- Option 719 Mineral White metallic
- Option 719 bench seat
- Floor Lighting
- Option 719 forged classic wheels
- High seat 31.5-inch seat height (800mm)
- <u>Tubular Handlebars</u>

#### K 1600 B

#### **Comfort** Package

- Keyless Ride
- Central Locking System
- Gear Shift Assist Pro
- Anti-Theft Alarm

#### Touring Package

- LED auxiliary lights
- Audio System 2.0
- Engine Protection bar
- Center stand

#### Grand America Package

- •—
- Top case in body color with auxiliary speakers
- Audio System 2.0
- Floorboards
- High windshield
- •—<u>LED auxiliary lights</u>

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#### LED auxiliary lights

- Gear Shift Assist Pro
- Anti-Theft Alarm
- LED auxiliary lights

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• Engine Protection bar

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#### Stand-alone options

- Option 719 bench seat
- Floor lighting
- Forged handlebar
- Option 719 forged classic wheels
- High seat 31.5-inch seat height (800mm)
- Center stand





### **Technical specifications.**

Bore x stroke	Engine		K 1600 GT K 1600 GTL
Output         hp         160 @ 6,750 rpr           Torque         Ib-ft.         133 @ 5,250 rpr           Type         Liquid-cooled, inline, six-cylinder engin           No. of cylinders         Individual cooled, inline, six-cylinder engin           Compression / fuel         12.2:1 / premium unleade           Valve / accelerator actuation         OHV / 4-valves per cy           Ø intake/outlet         mm         29.0 / 24.           Ø throttle valves         mm         5           Engine control         BMS-6         Emission control           Electrical system         Alternator         W         70           Battery         V/Ah         12/16 maintenance-free           Headlight         LED with turning featur           Starter         kW         70           Power transmission – gearbox           Clutch         Multi-disk, oil-bath hydraulic clute           Gearbox         Six-speed with helical gearin           Primary ratio         1.61           Transmission ratios I         2.23           III         1.64           III         1.64           III         1.61           Transmission ratios I         2.23           III         1.61 </td <td>Capacity</td> <td>cc/cu. in.</td> <td>1,649 / 100.6</td>	Capacity	cc/cu. in.	1,649 / 100.6
Torque Ib-ft. 133 @ 5,250 rpr Type Liquid-cooled, inline, six-cylinder engin No. of cylinders  Compression / fuel 12.2:1 / premium unleade Valve / accelerator actuation OHV / 4-valves per cy Ø intake/outlet mm 29.0 / 24. Ø throttle valves mm 55 Engine control EU-5, 2 controlled 3-way catalytic converter  Electrical system Alternator W 70 Battery V/Ah 12/16 maintenance-fre Headlight LED with turning featur Starter kW 70  Power transmission – gearbox Clutch Multi-disk, oil-bath hydraulic clutc Gearbox Six-speed with helical gearin Primary ratio 1.61 Transmission ratios I 2.23 II 1.64 III 1.31 IV 1.10 V 0.92 VI 0.78 Rear wheel drive Carda	Bore x stroke	mm	72 × 67.5
Type Liquid-cooled, inline, six-cylinder engin No. of cylinders  Compression / fuel 12.2:1 / premium unleade Valve / accelerator actuation OHV / 4-valves per cy intake/outlet mm 29.0 / 24.  Ø throttle valves mm 5  Engine control EU-5, 2 controlled 3-way catalytic converter Electrical system  Alternator W 70  Battery V/Ah 12/16 maintenance-free Headlight LED with turning featur Starter kW 70  Power transmission – gearbox  Clutch Multi-disk, oil-bath hydraulic clutch Gearbox Six-speed with helical gearin Primary ratio 1.61  Transmission ratios I 2.23  II 1.64  III 1.31  IV 1.10  V 0.92  VI 0.78  Rear wheel drive Carda	Output	hp	160 @ 6,750 rpm
No. of cylinders  Compression / fuel  12.2:1 / premium unleade  Valve / accelerator actuation  OHV / 4-valves per cy  intake/outlet  mm  29.0 / 24.  throttle valves  Engine control  EU-5, 2 controlled 3-way catalytic converter  Electrical system  Alternator  W  70  Battery  V/Ah  12/16 maintenance-free  Headlight  LED with turning featur  Starter  kW  70  Power transmission – gearbox  Clutch  Gearbox  Primary ratio  Transmission ratios I  2.23  II  1.64  III  1.31  IV  1.10  V  0.78  Rear wheel drive  Carda	Torque	lb-ft.	133 @ 5,250 rpm
Compression / fuel 12.2:1 / premium unleade Valve / accelerator actuation OHV / 4-valves per cy Ø intake/outlet mm 29.0 / 24. Ø throttle valves mm 55 Engine control BMS-6 Emission control EU-5, 2 controlled 3-way catalytic converter Electrical system  Alternator W 70 Battery V/Ah 12/16 maintenance-free Headlight LED with turning featur Starter kW 70  Power transmission – gearbox Clutch Multi-disk, oil-bath hydraulic clutc Gearbox Six-speed with helical gearin Primary ratio 1.61  Transmission ratios I 2.23  II 1.64  III 1.31  IV 1.10  V 0.92  VI 0.78  Rear wheel drive Carda	Туре		Liquid-cooled, inline, six-cylinder engine
Valve / accelerator actuation  Ø intake/outlet  mm  Ø throttle valves  Engine control  EU-5, 2 controlled 3-way catalytic converter  Electrical system  Alternator  W  70  Battery  V/Ah  12/16 maintenance-free  Headlight  LED with turning featur  Starter  kW  70  Power transmission - gearbox  Clutch  Multi-disk, oil-bath hydraulic clutch  Gearbox  Six-speed with helical gearin  Primary ratio  1.61  Transmission ratios I  2.23  II  1.64  III  1.31  IV  1.10  V  0.78  Rear wheel drive  Carda	No. of cylinders		6
Ø intake/outlet mm 29.0 / 24. Ø throttle valves mm 5 Engine control BMS-0 Emission control EU-5, 2 controlled 3-way catalytic converter  Electrical system Alternator W 70 Battery V/Ah 12/16 maintenance-free Headlight LED with turning featur Starter kW 70  Power transmission – gearbox Clutch Multi-disk, oil-bath hydraulic clutch Gearbox Six-speed with helical gearin Primary ratio 1.61 Transmission ratios I 2.23 II 1.64 III 1.31 IV 1.10 V 0.92 VI 0.78 Rear wheel drive Carda	Compression / fuel		12.2:1 / premium unleaded
Ø throttle valves     mm     5       Engine control     EMS-G       Emission control     EU-5, 2 controlled 3-way catalytic converter       Electrical system     V/Ah     70       Battery     V/Ah     12/16 maintenance-free       Headlight     LED with turning featur       Starter     kW     70       Power transmission - gearbox       Clutch     Multi-disk, oil-bath hydraulic clutch       Gearbox     Six-speed with helical gearin       Primary ratio     1.61       Transmission ratios I     2.23       III     1.64       IIII     1.31       IV     1.10       V     0.92       VI     0.78       Rear wheel drive     Carda	Valve / accelerator actuation		OHV / 4-valves per cyl.
Engine control  Emission control  EU-5, 2 controlled 3-way catalytic converter  Electrical system  Alternator  W 70  Battery  V/Ah  12/16 maintenance-free  Headlight  LED with turning featur  Starter  kW 70  Power transmission – gearbox  Clutch  Multi-disk, oil-bath hydraulic clutch  Gearbox  Six-speed with helical gearin  Primary ratio  1.61  Transmission ratios I 2.23  II 1.164  III 1.31  IV 1.10  V 0.78  Rear wheel drive  Carda	Ø intake/outlet	mm	29.0 / 24.8
Electrical system  Alternator W 70  Battery V/Ah 12/16 maintenance-free  Headlight LED with turning featur  Starter kW 70  Power transmission – gearbox  Clutch Multi-disk, oil-bath hydraulic clutch  Gearbox Six-speed with helical gearin  Primary ratio 1.61  Transmission ratios I 2.23  II 1.64  III 1.31  IV 1.10  V 0.92  VI 0.78  Rear wheel drive Carda	Ø throttle valves	mm	52
Electrical system  Alternator W 70  Battery V/Ah 12/16 maintenance-free  Headlight LED with turning featur  Starter kW 70  Power transmission – gearbox  Clutch Multi-disk, oil-bath hydraulic clutch  Gearbox Six-speed with helical gearin  Primary ratio 1.61  Transmission ratios I 2.23  II 1.64  III 1.31  IV 1.10  V 0.92  VI 0.78  Rear wheel drive Carda	Engine control		BMS-O
Alternator   W   70	Emission control		EU-5, 2 controlled 3-way catalytic converters
Battery         V/Ah         12/16 maintenance-free           Headlight         LED with turning featur           Starter         kW         70           Power transmission – gearbox         Clutch         Multi-disk, oil-bath hydraulic clutch           Gearbox         Six-speed with helical gearin           Primary ratio         1.61           Transmission ratios I         2.23           III         1.64           III         1.31           IV         1.10           V         0.92           VI         0.78           Rear wheel drive         Carda	Electrical system		
Headlight   LED with turning feature	Alternator	W	700
Starter   kW   70	Battery	V/Ah	12/16 maintenance-free
Power transmission – gearbox           Clutch         Multi-disk, oil-bath hydraulic clutch           Gearbox         Six-speed with helical gearin           Primary ratio         1.61           Transmission ratios I         2.23           III         1.64           IIII         1.31           IV         1.10           V         0.92           VI         0.78           Rear wheel drive         Carda	Headlight		LED with turning feature
Clutch         Multi-disk, oil-bath hydraulic clutch           Gearbox         Six-speed with helical gearin           Primary ratio         1.61           Transmission ratios I         2.23           II         1.64           III         1.31           IV         1.10           V         0.92           VI         0.78           Rear wheel drive         Carda	Starter	kW	700
Gearbox         Six-speed with helical gearin           Primary ratio         1.61           Transmission ratios I         2.23           II         1.64           III         1.31           IV         1.10           V         0.92           VI         0.78           Rear wheel drive         Carda	Power transmission – gearbox		
Primary ratio         1.61           Transmission ratios I         2.23           II         1.64           III         1.31           IV         1.10           V         0.92           VI         0.78           Rear wheel drive         Carda	Clutch		Multi-disk, oil-bath hydraulic clutch
Transmission ratios I         2.23           II         1.64           III         1.31           IV         1.10           V         0.92           VI         0.78           Rear wheel drive         Carda	Gearbox		Six-speed with helical gearing
I	Primary ratio		1.617
III	Transmission ratios I		2.230
IV         1.10           V         0.92           VI         0.78           Rear wheel drive         Carda	- II		1.641
V         0.92           VI         0.78           Rear wheel drive         Carda	III		1.319
VI 0.78 Rear wheel drive Carda	IV		1.101
Rear wheel drive Carda	V		0.926
	VI		0.788
Transmission ratio 2.7	Rear wheel drive		Cardan
	Transmission ratio		2.75

## Canada Corporate Communications





Main frame: die-cast, Rear frame: aluminum, extruded sections  Duolever, double trailing arm, central spring strut  Paralever cast aluminum single-sided swing arm, central spring strut  4.5 / 5.3  4.2 63.7 27.8 t Double disc brake Ø 320 mm
Paralever cast aluminum single-sided swing arm, central spring struit.  4.5 / 5.3  4.2  6.3.7  6.3.7
arm, central spring strut  4.5 / 5.3  4.2  63.7  27.8
. 4.2 . 63.7 ° 27.8
. 63.7 ° 27.8
° 27.8
r Single-disc brake Ø 320 mm
BMW Motorrad Partial Integral ABS
Light alloy cast wheels
t 3.5 x 17"
r 6.0 x 17"
t 120/70 ZR 17
r 190/55 R17
. 91.5
91.0
. 39.4
31.9 / 32.7
. 29.5
. 756
. 789
. 1,190
. 1,234
<u>26</u> 7. <u>05</u>
3.6
3.6
1 124 <u>199</u>

### Canada **Corporate Communications**





Engine		K 1600 B K 1600 Grand America
Capacity	cc/cu. in.	1,649 / 100.6
Bore x stroke	mm	72 x 67.5
Output	hp	160 @ 6,750 rpm
Torque	lb-ft.	133 @ 5,250 rpm
Туре		Liquid-cooled, inline, six-cylinder engine
No. of cylinders		6
Compression / fuel		12.2:1 / premium unleaded
Valve / accelerator actuation		OHV / 4-valves per cyl.
Ø intake/outlet	mm	29.0 / 24.8
Ø throttle valves	mm	52
Engine control		BMS-O
Emission control		EU-5, 2 controlled 3-way catalytic converters
Electrical system		
Alternator	W	700
Battery	V/Ah	12/16 maintenance-free
Headlight		LED with turning feature
Starter	kW	700
Power transmission – gearbox		
Clutch		Multi-disk, oil-bath hydraulic clutch
Gearbox		Six-speed with helical gearing
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		Cardan
Transmission ratio		2.75
Suspension		
Frame design		Main frame: die-cast, Rear frame: aluminum, extruded sections





Front wheel suspension		Duolever, double trailing arm, central spring strut
Rear wheel control		Paralever cast aluminum single-sided swing arm, central spring strut
Spring travel, front / rear	in.	4.5 / 5.3
Wheel castor	in.	4.2
Wheelbase	in.	63.7
Steering rake		27.8
Brakes	front	Double disc brake Ø 320 mm
	rear	Single-disc brake Ø 320 mm
ABS		BMW Motorrad Partial Integral ABS
Wheels		Light alloy cast wheels
	front	3.5 x 17"
	rear	6.0 x 17"
Tires	front	120/70 ZR 17
	rear	190/55 R17
Dimensions and weights		
Total length K 1600 B	in.	97.2
Total length K 1600 Grand Amer.	in.	100.8
Total width	in.	39.4
Height, K 1600 B	in.	55.1
Height, K 1600 Grand Amer.	in.	55.9
DIN curb weight K 1600 B	lbs.	758
DIN curb weight K 1600 G.A.	lbs.	816
Permitted total weight K 1600 B	lbs.	1,234
Permitted total weight K 1600 G.A.	lbs.	1,234
Fuel tank capacity	<del>gal</del> ltr.	<u>26</u> 7. <u>5</u> 0
Performance figures		
0-62 mph K 1600 B / G.A.	sec.	3.6
Top speed K 1600 B	mphkmh	<del>124</del> <u>199</u> ( <del>111</del> <u>178</u> with floorboards)
Top speed- K 1600 G.A.	mphkmh	<del>100</del> 160





#### **BMW Group in Canada**

BMW Group Canada, based in Richmond Hill, Ontario, is a wholly-owned subsidiary of BMW AG and is responsible for the distribution of BMW luxury performance automobiles, Sports Activity Vehicles, Motorcycles, and MINI. BMW Group Financial Services Canada is a division of BMW Group Canada and offers retail financing and leasing programs and protection products on new and pre-owned BMW and MINI automobiles, as well as retail financing for new and pre-owned BMW Motorcycles. A total network of 51 BMW automobile retail centres, 21 BMW motorcycle retailers, and 31 MINI retailers represents the BMW Group across the country.

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