

# 2003 BMW R 1100 S

Importer: BMW of North America, LLC.

\*\*New for 2003

Manufacturer: BMW AG, Munich, Germany

Price excludes taxes, license, options, and handling charges.

Mfr.'s Suggested Retail Price: \$15,690.00\*

MSRP includes equalized freight charges

Engine		Brakes	
Type	Air-cooled/oil-cooled twin-cylinder	Brake system	BMW EVO ABS, partially integrated
Bore x stroke	99 mm x 70.5 mm	Front brakes	Two 4-piston calipers, staggered piston diameter
Displacement	1085 cc	Front rotors	Dual 12.6-inch (320mm) floating rotors
Horsepower	98 bhp @ 7500 rpm	Actuation method	Hydraulic, DOT 4 fluid type
Torque	70 lb.-ft. @ 5750 rpm	Rear brake	Single 2-piston caliper, floating mount
Compression ratio	11.3:1	Rear rotor	Single 10.9-inch (276mm) fixed rotor
Valve gear	HC, chain-driven	Actuation method	Hydraulic, DOT 4 fluid type
Valves	34 mm intake / 29 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	Intake opens 5 degrees after TDC Intake closes 33 degrees after BDC Exhaust opens 27 degrees before BDC Exhaust closes 5 degrees before TDC	Front wheel	3.50 x 17 MT-H2, cast alloy, 5 double-spoke
		Rear wheel	5.00 x 17 MT-H2, cast alloy, 5 double-spoke
		Front tire	120/70ZR 17 tubeless
		Rear tire	170/60ZR 17 tubeless
Valves per cylinder	Four	Dimensions	
Engine oil capacity	4.3 quarts of SG, SH motor oil, also w/CD or CE	Overall length	85.8 inches (2180 mm)
Engine oil filter	Spin-on Micronic filter cartridge	Overall width	34.7 inches (881mm)
Fuel & Ignition	Bosch Motronic MA 2.4	Wheelbase	58.2 inches (1478 mm)
Fuel requirement	Unleaded premium, 91 AKI	Ground clearance	5.9 inches (150 mm)
Fuel tank	Aluminum tank with enclosed fuel pump & filter	Seat height	31.5 inches (800 mm)
Fuel capacity	4.75 U.S. gallons including 1 gal. reserve	Handlebar width	29.9 inches (760 mm)
Air filter	Flat panel paper element	Steering angle	65.0 degrees
Charging system	700 W @ 14V	Front wheel trail	3.9 inches (100 mm)
Battery	BMW Mareg, 15 amp/h low maintenance	Weight - dry	507
Cooling system	Combined air/oil cooled	Weight - wet	546
Drivetrain		Maximum load	992 lbs. GVWR
Primary drive	Helical-cut gears with tensioner	Wheel load limits	Front=397 lbs Rear=662 lbs
Clutch	165 mm dry, single plate with hydraulic actuation	Available Colors	
Gear ratios	1st gear: 2.05:1 2nd gear: 1.60:1 3rd gear: 1.27:1	4th gear: 1.04:1 5th gear: 0.90:1 6th gear 0.80:1	Phoenix Grey Metallic Pacific Blue Metallic**
Drive system	Enclosed driveshaft with two universal joints and integral torsional damper	Standard Equipment	
Final drive	Spiral bevel gears, 2.75:1 ratio (33/12)	-Integral sport half-fairing with windshield -6 speed transmission	
Frame and Suspension		-Single key system for ignition, steering, fuel cap & seat locks -Integrated ignition switch and steering lock	
Frame	Cast aluminum spaceframe, load-bearing engine	-Hazard warning flashers -Light Telelever front suspension	
Front suspension	BMW Telelever with progressive rate coil spring and gas-charged damper with variable rebound adjustment	-Electronically controlled 3-way catalytic converter	
Travel	4.3 inches	-Centerstand -Heated handgrips	
Rear suspension	BMW Paralever with shaft drive, gas-charged damper with variable rebound adjustment and 40-position spring preload	-High handlebar -Color-matched rear seat cowl	
Travel	5.1 inches		

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# 2003 BMW R 1100 S BoxerCup Replika

Importer: BMW of North America, LLC.

Manufacturer: BMW AG, Munich, Germany

Mfr.'s Suggested Retail Price: \$13,490.00\*

\*Actual Price Determined by Dealer

Price excludes taxes, license, options, and handling charges.

MSRP includes equalized freight charges

Engine		Brakes	
Type	Air-cooled/oil-cooled twin-cylinder	Brake system	BMW EVO
Bore x stroke	99 mm x 70.5 mm	Front brakes	Two 4-piston calipers, staggered piston diameter
Displacement	1085 cc	Front rotors	Dual 12.6-inch (320mm) floating rotors
Horsepower	98 bhp @ 7500 rpm	Actuation method	Hydraulic, DOT 4 fluid type
Torque	70 lb.-ft. @ 5750 rpm	Rear brake	Single 2-piston caliper, floating mount
Compression ratio	11.3:1	Rear rotor	Single 10.9-inch (276mm) fixed rotor
Valve gear	HC, chain-driven	Actuation method	Hydraulic, DOT 4 fluid type
Valves	34 mm intake / 29 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	Intake opens 5 degrees after TDC Intake closes 33 degrees after BDC Exhaust opens 27 degrees before BDC Exhaust closes 5 degrees before TDC	Front wheel	3.50 x 17 MT-H2, cast alloy, 5 double-spoke
		Rear wheel	5.50 x 17 MT-H2, cast alloy, 5 double-spoke
		Front tire	120/70ZR 17 tubeless
		Rear tire	180/55ZR 17 tubeless
Valves per cylinder	Four	Dimensions	
Engine oil capacity	4.3 quarts of SG, SH motor oil, also w/CD or CE	Overall length	85.8 inches (2180 mm)
Engine oil filter	Spin-on Micronic filter cartridge	Overall width	34.7 inches (880mm)
Fuel & Ignition	Bosch Motronic MA 2.4	Wheelbase	58.2 inches (1478 mm)
Fuel requirement	Unleaded premium, 91 AKI	Ground clearance	5.9 inches (150 mm)
Fuel tank	Aluminum tank with enclosed fuel pump & filter	Seat height	32.3 inches (820 mm)
Fuel capacity	4.75 U.S. gallons including 1 gal. reserve	Handlebar width	29.9 inches (760 mm)
Air filter	Flat panel paper element	Steering angle	65.0 degrees
Charging system	600 W @ 14V	Front wheel trail	3.9 inches (100 mm)
Battery	BMW Mareg, 15 amp/h low maintenance	Weight - dry	487
Cooling system	Combined air/oil cooled	Weight - wet	526
Drivetrain		Maximum load	992 lbs. GVWR
Primary drive	Helical-cut gears with tensioner	Wheel load limits	Front=397 lbs Rear=662 lbs
Clutch	165 mm dry, single plate with hydraulic actuation	Available Colors	
Gear ratios	1st gear: 2.04:1 2nd gear: 1.60:1 3rd gear: 1.27:1	4th gear: 1.03:1 5th gear: 0.90:1 6th gear 0.80:1	Pacific Blue Metallic / Alpine White   Black Seat
Drive system	Enclosed driveshaft with two universal joints and integral torsional damper	Standard Equipment	
Final drive	Spiral bevel gears, 2.75:1 ratio (33/12)	-Graphics package with Randy Mamola signature and decals -Clear front turn signal lenses -Carbon Fiber lower engine fairing	
Frame and Suspension		-Carbon Fiber Cylinder Head covers -Electronically controlled 3-way catalytic converter -Adjustable Sport suspension	
Frame	Cast aluminum spaceframe, load-bearing engine	-Wider rear wheel and tire	
Front suspension	BMW Telelever with progressive rate coil spring and gas-charged damper with variable rebound adjustment	-Standard handlebar mounts -Color-matched rear seat cowl	
Front travel	4.3 inches	Available Accessories	
Rear suspension	BMW Paralever with shaft drive, gas-charged damper with variable rebound adjustment and 40-position spring preload	-Anti-Lock Brakes, partially integrated version -Electric heated handlegrips -Sponsor decal delete	
Rear travel	5.1 inches	-BMW System Cases -BMW Tankbag	

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# 2003 BMW R 1100 S BoxerCup Prep

Importer: BMW of North America, LLC.

Manufacturer: BMW AG, Munich, Germany

Mfr.'s Suggested Retail Price: \$11,990.00\*

\*Actual Price Determined by Dealer

Price excludes taxes, license, options, and handling charges.

MSRP includes equalized freight charges

## Engine

Type Air-cooled/oil-cooled twin-cylinder

Bore x stroke 99 mm x 70.5 mm

Displacement 1085 cc

Horsepower 98 bhp @ 7500 rpm

Torque 70 lb.-ft. @ 5750 rpm

Compression ratio 11.3:1

Valve gear HC, chain-driven

Valves 34 mm intake / 29 mm exhaust

Valve timing Intake opens 5 degrees after TDC

(measured at 3 mm valve clearance) Intake closes 33 degrees after BDC

Exhaust opens 27 degrees before BDC

Exhaust closes 5 degrees before TDC

Valves per cylinder Four

Engine oil capacity 4.3 quarts of SG, SH motor oil, also w/CD or CE

Engine oil filter Spin-on Micronic filter cartridge

Fuel & Ignition Bosch Motronic MA 2.4

Fuel requirement Unleaded premium, 91 AKI

Fuel tank Aluminum tank with enclosed fuel pump & filter

Fuel capacity 4.75 U.S. gallons including 1 gal. reserve

Air filter Flat panel paper element

Charging system 700 W @ 14V

Battery BMW Mareg, 15 amp/h low maintenance

Cooling system Combined air/oil cooled

## Drivetrain

Primary drive Helical-cut gears with tensioner

Clutch 165 mm dry, single plate with hydraulic actuation

Gear ratios 1st gear: 2.05:1 4th gear: 1.04:1

2nd gear: 1.60:1 5th gear: 0.90:1

3rd gear: 1.27:1 6th gear 0.80:1

Drive system Enclosed driveshaft with two universal joints and integral torsional damper

Final drive Spiral bevel gears, 2.75:1 ratio (33/12)

## Frame and Suspension

Frame Cast aluminum spaceframe, load-bearing engine

Front suspension BMW Telelever with progressive rate coil spring and gas-charged damper with variable rebound adjustment

Travel 4.3 inches

Rear suspension BMW Paralever with shaft drive, gas-charged damper with variable rebound adjustment and 40-position spring preload

Travel 5.1 inches

## Brakes

Brake system BMW EVO

Front brakes Two 4-piston calipers, staggered piston diameter

Front rotors Dual 12.6-inch (320mm) floating rotors

Actuation method Hydraulic, DOT 4 fluid type

Rear brake Single 2-piston caliper, floating mount

Rear rotor Single 10.9-inch (276mm) fixed rotor

Actuation method Hydraulic, DOT 4 fluid type

## Wheels and Tires

Front wheel 3.50 x 17 MT-H2, cast alloy, 5 double-spoke

Rear wheel 5.50 x 17 MT-H2, cast alloy, 5 double-spoke

Front tire 120/70ZR 17 tubeless

Rear tire 180/55ZR 17 tubeless

## Dimensions

Overall length 85.8 inches (2180 mm)

Overall width 34.7 inches (881mm)

Wheelbase 58.2 inches (1478 mm)

Ground clearance 5.9 inches (150 mm)

Seat height 31.5 inches (800 mm)

Handlebar width 29.9 inches (760 mm)

Steering angle 65.0 degrees

Front wheel trail 3.9 inches (100 mm)

Weight - dry 485

Weight - wet 524

Maximum load 992 lbs. GVWR

Wheel load Front=397 lbs

limits Rear=662 lbs

## Available Colors

Titan Silver Metallic Black Seat

## Standard Equipment

-Integral sport half-fairing with windshield

-6 speed transmission

-Single key system for ignition, steering, fuel cap & seat locks

-Integrated ignition switch and steering lock

-Hazard warning flashers

-Light Telelever front suspension

-Electronically controlled 3-way catalytic converter

-Centerstand

-Heated handgrips

-High handlebar mounts

-Color-matched rear seat cowl

# 2003 BMW R 1150 R

Importer: BMW of North America, LLC.

Manufacturer: BMW AG, Munich, Germany

Mfr.'s Suggested Retail Price: \$9,990.00\*

\*Actual Price Determined by Dealer

\*\*New for 2003

Price excludes taxes, license, options, and handling charges.

MSRP includes equalized freight charges.

## Engine

Type Air-cooled/oil-cooled twin-cylinder

Bore x stroke 101 mm x 70.5 mm

Displacement 1180 cc

Horsepower 85 bhp @ 6750 rpm

Torque 71 lb.-ft. @ 5250 rpm

Compression ratio 10.3:1

Valve gear HC, chain-driven

Valves 34 mm intake / 29 mm exhaust

Valve timing Intake opens 1 degrees BTDC

(measured at 3 mm valve clearance) Intake closes 25 degrees ABDC

Exhaust opens 31 degrees BBDC

Exhaust closes 13 degrees BTDC

Valves per cylinder Four

Engine oil capacity 4 quarts of SF, SG motor oil, also w/CC or CD suff.

Engine oil filter Spin-on Micronic filter cartridge

Fuel & Ignition Bosch Motronic MA 2.4

Fuel requirement Unleaded, middle-grade premium, 90 AKI

Fuel tank Steel tank with enclosed fuel pump & filter

Fuel capacity 5.5 U.S. gallons including 1 gal. reserve

Air filter Paper-type element

Charging system 700 W @ 14V

Battery BMW Mareg, 12V - 19 amp/h low maintenance

Cooling system Combined air/oil cooled

## Drivetrain

Primary drive Helical-cut gears with tensioner

Clutch 165 mm dry, single plate with diaphram spring

Gear ratios 1st gear: 2.05:1 4th gear: 1.04:1

2nd gear: 1.60:1 5th gear: 0.90:1

3rd gear: 1.27:1 6th gear: 0.70:1

## Frame and Suspension

Frame Three section frame

Front suspension BMW Telelever with progressive rate coil spring and gas-charged damper with variable rebound adjustment

Front Travel 4.7 inches total travel

Rear suspension BMW Paralever with shaft drive, gas-charged damper w/variable rebound adjustment, 40-position preload

Rear Travel 5.3 inches total travel

## Brakes

Brake system BMW EVO

Front brakes Two 4-piston calipers, staggered piston diameter

Front rotors Dual 12.6-inch floating rotors

Actuation method Hydraulic, DOT 4 fluid type

Rear brake Single 2-piston caliper, floating mount

Rear rotor Single 10.9-inch fixed rotor

Actuation method Hydraulic, DOT 4 fluid type

## Wheels and Tires

Front wheel 3.50 x 17 MT-H2, cast alloy, 5 double-spoke

Rear wheel 5.00 x 17 MT-H2, cast alloy, 5 double-spoke

Front tire 120/70 - ZR 17 tubeless

Rear tire 170/60 - ZR 17 tubeless

## Dimensions

Overall length 85.4 inches (2170 mm)

Overall width 37.0 inches (940 mm)

Wheelbase 58.3 inches (1480 mm)

Ground clearance 5.4 inches (138 mm)

Seat height 30.3 inches (770 mm)

Handlebar width 32.3 inches (822 mm)

Steering angle 63 degrees

Front wheel trail 5.0 inches (127 mm)

Weight - dry 498

Weight - wet 541

Maximum load 992 lbs. GVWR

Wheel load Front=396 lbs

limits Rear=660 lbs

## Available Colors

Titan Silver Metallic\*\* Bronzite Metallic\*\* Piemont Red Metallic\*\*

Black seat on all

## Standard Equipment

-Single key lock system for ignition, steering, fuel cap, seat storage

compartment locks

-Integrated ignition and steering lock

-Adjustable clutch and front brake lever

-Electronically controlled 3-way catalytic converter

-Hazard warning flashers

-Power accessory socket

# 2003 BMW R 1150 R ABS

Importer: BMW of North America, LLC.

\*Actual Price Determined by Dealer

\*\*New for 2003

Manufacturer: BMW AG, Munich, Germany

Price excludes taxes, license, options, and handling charges.

Mfr.'s Suggested Retail Price: \$12,190.00\*

MSRP includes equalized freight charges.

Engine		Brakes	
Type	Air-cooled/oil-cooled twin-cylinder	Brake system	BMW Integral ABS, partially integrated
Bore x stroke	101 mm x 70.5 mm	Front brakes	Two 4-piston calipers, staggered piston diameter
Displacement	1180 cc	Front rotors	Dual 12.6-inch floating rotors
Horsepower	85 bhp @ 6750 rpm	Actuation method	Hydraulic, DOT 4 fluid type
Torque	71 lb.-ft. @ 5250 rpm	Rear brake	Single 2-piston caliper, floating mount
Compression ratio	10.3:1	Rear rotor	Single 10.9-inch fixed rotor
Valve gear	HC, chain-driven	Actuation method	Hydraulic, DOT 4 fluid type
Valves	34 mm intake / 29 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	Intake opens 1 degrees BTDC Intake closes 25 degrees ABDC Exhaust opens 31 degrees BBDC Exhaust closes 13 degrees BTDC	Front wheel	3.50 x 17 MT-H2, cast alloy, 5 double-spoke
		Rear wheel	5.00 x 17 MT-H2, cast alloy, 5 double-spoke
		Front tire	120/70 - ZR 17 tubeless
		Rear tire	170/60 - ZR 17 tubeless
Valves per cylinder	Four	Dimensions	
Engine oil capacity	4 quarts of SF, SG motor oil, also w/CC or CD suff.	Overall length	85.4 inches (2170 mm)
Engine oil filter	Spin-on Micronic filter cartridge	Overall width	37.0 inches (940 mm)
Fuel & Ignition	Bosch Motronic MA 2.4	Wheelbase	58.3 inches (1480 mm)
Fuel requirement	Unleaded, middle-grade premium, 90 AKI	Ground clearance	5.4 inches (138 mm)
Fuel tank	Steel tank with enclosed fuel pump & filter	Seat height	30.3 inches (770 mm)
Fuel capacity	5.5 U.S. gallons including 1 gal. reserve	Handlebar width	32.3 inches (822 mm)
Air filter	Paper-type element	Steering angle	63 degrees
Charging system	700 W @ 14V	Front wheel trail	5.0 inches (127 mm)
Battery	BMW Mareg, 12V - 19 amp/h low maintenance	Weight - dry	514
Cooling system	Combined air/oil cooled	Weight - wet	557
Drivetrain		Maximum load	992 lbs. GVWR
Primary drive	Helical-cut gears with tensioner	Wheel load limits	Front=396 lbs Rear=660 lbs
Clutch	165 mm dry, single plate with diaphram spring	Available Colors	
Gear ratios	1st gear: 2.05:1 2nd gear: 1.60:1 3rd gear: 1.27:1	4th gear: 1.04:1 5th gear: 0.90:1 6th gear: 0.70:1	Titan Silver Metallic** Bronzite Metallic** Piemont Red Metallic** Black seat on all
Drive system	Enclosed driveshaft with two universal joints and integral torsional damper	Standard Equipment	
Final drive	Spiral bevel gears, 2.82:1 ratio (31/11)	-Single key lock system for ignition, steering, fuel cap, seat storage -compartment locks -Integrated ignition and steering lock	
Frame and Suspension		-Adjustable clutch and front brake lever -Electronically controlled 3-way catalytic converter -Hazard warning flashers -Power accessory socket	
Frame	Three section frame		
Front suspension	BMW Telelever with progressive rate coil spring and gas-charged damper with variable rebound adjustment		
Front Travel	4.7 inches total travel		
Rear suspension	BMW Paralever with shaft drive, gas-charged damper w/variable rebound adjustment, 40-position preload		
Rear Travel	5.3 inches total travel		

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# 2003 BMW R 1150 GS ABS

Importer: BMW of North America, LLC.

\*Actual Price Determined by Dealer

\*\*New for 2003

Manufacturer: BMW AG, Munich, Germany

Price excludes taxes, license, options, and handling charges.

Mfr.'s Suggested Retail Price: \$14,500.00\* / \$14,800.00\*

MSRP includes equalized freight charges

Engine		Brakes	
Type	Air-cooled/oil-cooled twin-cylinder	Brake system	BMW Integral ABS, partially integrated
Bore x stroke	101 mm x 70.5 mm	Front brakes	Two 4-piston calipers, staggered piston diameter
Displacement	1130 cc	Front rotors	Dual 12.6-inch floating rotors
Horsepower	85 bhp @ 6750 rpm	Actuation method	Hydraulic, DOT 4 fluid type
Torque	71 lb.-ft. @ 5250 rpm	Rear brake	Single 2-piston caliper, floating mount
Compression ratio	10.3:1	Rear rotor	Single 10.9-inch fixed rotor
Valve gear	HC, chain-driven	Actuation method	Hydraulic, DOT 4 fluid type
Valves	34 mm intake / 29 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	Intake opens 1 degrees BTDC Intake closes 25 degrees ABDC Exhaust opens 28 degrees BBDC Exhaust closes 16 degrees BTDC	Front wheel	2.50 x 19 MT-H2, Patented Cross Spoke Wheels
		Rear wheel	4.00 x 17 MT-H2, Patented Cross Spoke Wheels
		Front tire	110/80R 19 59H tubeless
		Rear tire	150/70R 17 69H tubeless
Valves per cylinder	Four	Dimensions	
Engine oil capacity	4 quarts of SF, SG, or SH oil, also w/CD or CE suff.	Overall length	86.2 inches (2189 mm)
Engine oil filter	Spin-on Micronic filter cartridge	Overall width	35.9 inches (920 mm)
Fuel and Ignition	Bosch Motronic MA 2.4	Wheelbase	58.9 inches (1509 mm)
Fuel requirement	Unleaded, middle-grade premium, 90 AKI	Ground clearance	7.9 inches (200 mm)
Fuel tank	Steel tank with enclosed fuel pump & filter	Seat height	33.1 / 33.8 inches (840 / 860 mm)
Fuel capacity	5.5 U.S. gallons including 1 gal. reserve	Handlebar width	35.6 inches (903 mm)
Air filter	Paper-type element	Steering angle	62.9 degrees (laden)
Charging system	700 W @ 14V	Front wheel trail	4.5 inches (114.3 mm)
Battery	BMW Mareg, 12V - 19 amp/h low maintenance	Weight - dry	544
Cooling system	Combined air/oil cooled	Weight - wet	588
Drivetrain		Maximum load	1014 lbs. GVWR
Primary drive	Helical-cut gears with tensioner	Wheel load limits	Front=396 lbs Rear=660 lbs
Clutch	165 mm dry, single plate with diaphram spring	Available Colors	
Gear ratios	1st gear: 2.05 2nd gear: 1.60 3rd gear: 1.27	4th gear: 1.04 5th gear: 0.90 6th gear: 0.68	Sun Yellow** Pacific Blue/Alpine White (\$300 extra)
Drive system	Enclosed driveshaft with two universal joints and integral torsional damper	Standard Equipment	
Final drive	Spiral bevel gears, 2.82:1 ratio (31/11)	-All colors equipped with black seats -Single key lock system for ignition, fuel cap and seat lock -Heated handgrips -Six-speed transmission -Removable, three-position adjustable windshield -Electronically controlled 3-way catalytic converter -Hazard warning flashers -Cross Spoke wheels -Ellipsoidal-principal twin headlight with reflectors -Rider Information Display (oil temp, fuel level, clock, gear selection) -Saddlebag mounting brackets	
Frame and Suspension		Copyright 2002 BMW of North America, LLC., Woodcliff Lake, New Jersey All rights reserved	
Frame	Three-section frame concept		
Front suspension	BMW Telelever w/central spring strut, linear-rate coil spring & gas-pressure shock, 5-position preload		
Front travel	7.5 inches		
Rear suspension	BMW Paralever with shaft drive, gas-pressure shock w/variable rebound damping, 40-position preload		
Rear travel	7.9 inches		

# 2003 BMW R 1150 GS Adventure

Importer: BMW of North America, LLC.

Manufacturer: BMW AG, Munich, Germany

Mfr.'s Suggested Retail Price: \$15,200.00\*

\*Actual Price Determined by Dealer

Price excludes taxes, license, options, and handling charges.

MSRP includes equalized freight charges

Engine		Brakes	
Type	Air-cooled/oil-cooled twin-cylinder	Brake system	BMW Integral ABS, partially integrated
Bore x stroke	101 mm x 70.5 mm	Front brakes	Two 4-piston calipers, staggered piston diameter
Displacement	1130 cc	Front rotors	Dual 12.6-inch floating rotors
Horsepower	85 bhp @ 6750 rpm	Actuation method	Hydraulic, DOT 4 fluid type
Torque	71 lb.-ft. @ 5250 rpm	Rear brake	Single 2-piston caliper, floating mount
Compression ratio	10.3:1	Rear rotor	Single 10.9-inch fixed rotor
Valve gear	HC, chain-driven	Actuation method	Hydraulic, DOT 4 fluid type
Valves	34 mm intake / 29 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	Intake opens 1 degrees BTDC Intake closes 25 degrees ABDC Exhaust opens 28 degrees BBDC Exhaust closes 16 degrees BTDC	Front wheel	2.50 x 19 MT-H2, Cross Spoke Blue Anodized Wheels
		Rear wheel	4.00 x 17 MT-H2, Cross Spoke Blue Anodized Wheels
		Front tire	110/80R 19 59H tubeless
		Rear tire	150/70R 17 69H tubeless
Valves per cylinder	Four	Dimensions	
Engine oil capacity	4 quarts of SF, SG, or SH oil, also w/CD or CE suff.	Overall length	86.2 inches (2189 mm)
Engine oil filter	Spin-on Micronic filter cartridge	Overall width	36.2 inches (920 mm)
Fuel and Ignition	Bosch Motronic MA 2.4	Wheelbase	59.4 inches (1509 mm)
Fuel requirement	Unleaded, middle-grade premium, 90 AKI	Ground clearance	7.9 inches (200 mm)
Fuel tank	Steel tank with enclosed fuel pump & filter	Seat height	35.1 inches (900 mm)
Fuel capacity	7.9 U.S. gallons	Handlebar width	35.5 inches (903 mm)
Air filter	Paper-type element	Steering angle	62.9 degrees (laden)
Charging system	700 W @ 14V	Front wheel trail	4.5 inches (114.3 mm)
Battery	BMW Mareg, 12V - 19 amp/h low maintenance	Weight - dry	547
Cooling system	Combined air/oil cooled	Weight - wet	605
Drivetrain		Maximum load	992 lbs. (450.9 kg) GVWR
Primary drive	Helical-cut gears with tensioner	Wheel load limits	Front=463 lbs (210.5 kg) Rear=529 lbs (240.5 kg)
Clutch	165 mm dry, single plate with diaphragm spring	Available Colors	
Gear ratios	1st gear: 2.38:1 2nd gear: 1.60:1 3rd gear: 1.27:1	4th gear: 1.04:1 5th gear: 0.90:1 6th gear: 0.80:1	Night Black   Yellow and Black seat Aluminum   Red and Grey seat
Drive system	Enclosed driveshaft with two universal joints and integral torsional damper	Standard Equipment	
Final drive	Spiral bevel gears, 2.82:1 ratio (31/11)	-Rider Information Display (oil temp, fuel level, clock, gear selection) -Blue anodized wheel rims, fork tubes and cylinder head covers -Single key lock system for ignition, fuel cap and seat lock	
Frame and Suspension		-Electronically-controlled 3-way catalytic converter -Ellipsoidal-principal twin headlight with reflectors -Aluminum saddlebags and topbox -Second accessory plug in cockpit -Saddlebag mounting brackets -Hazard warning flashers -Engine protection guards -High Touring Windshield -Revised Six-speed transmission -Extended front fender	
Frame	Three-section frame concept	-Heavy-duty skid plate -Cross Spoke wheels -Enduro knobby tires -Larger luggage rack -Heated handgrips -Headlight guard -Handlebar pad -Handguards	
Front suspension	BMW Telelever w/central spring strut, progressive-rate coil spring & twin-tube gas-pressure shock, 5-position preload		
Front travel	8.3 inches (211 mm)		
Rear suspension	BMW Paralever, gas-pressure shock with variable rebound damping, 40-position spring preload		
Rear travel	8.7 inches (221 mm)		

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# 2003 BMW R 1150 GS Sport

Importer: BMW of North America, LLC.

Manufacturer: BMW AG, Munich, Germany

Mfr.'s Suggested Retail Price: \$12,990.00\*

\*Actual Price Determined by Dealer

Price excludes taxes, license, options, and handling charges.

MSRP includes equalized freight charges

## Engine

Type Air-cooled/oil-cooled twin-cylinder

Bore x stroke 101 mm x 70.5 mm

Displacement 1130 cc

Horsepower 85 bhp @ 6750 rpm

Torque 71 lb.-ft. @ 5250 rpm

Compression ratio 10.3:1

Valve gear HC, chain-driven

Valves 34 mm intake / 29 mm exhaust

Valve timing Intake opens 1 degrees BTDC

(measured at 3 mm valve clearance) Intake closes 25 degrees ABDC

Exhaust opens 28 degrees BBDC

Exhaust closes 16 degrees BTDC

Valves per cylinder Four

Engine oil capacity 4 quarts of SF, SG, or SH oil, also w/CD or CE suff.

Engine oil filter Spin-on Micronic filter cartridge

Fuel and Ignition Bosch Motronic MA 2.4

Fuel requirement Unleaded, middle-grade premium, 90 AKI

Fuel tank Steel tank with enclosed fuel pump & filter

Fuel capacity 5.5 U.S. gallons including 1 gal. reserve

Air filter Paper-type element

Charging system 700 W @ 14V

Battery BMW Mareg, 12V - 19 amp/h low maintenance

Cooling system Combined air/oil cooled

## Drivetrain

Primary drive Helical-cut gears with tensioner

Clutch 165 mm dry, single plate with diaphragm spring

Gear ratios 1st gear: 2.05 4th gear: 1.04

2nd gear: 1.60 5th gear: 0.90

3rd gear: 1.27 6th gear: 0.80

Drive system Enclosed driveshaft with two universal joints and integral torsional damper

Final drive Spiral bevel gears, 2.82:1 ratio (31/11)

## Frame and Suspension

Frame Three-section frame

Front suspension Telelever w/central spring strut, linear-rate coil

spring & gas shock, 5-position preload

Front travel 7.5 inches

Rear suspension Patented BMW Paralever & shaft drive, gas shock

w/variable rebound damping, 40-position preload

Rear travel 7.9 inches

## Brakes

Brake system BMW EVO

Front brakes Two 4-piston calipers, staggered piston diameter

Front rotors Dual 12.6-inch floating rotors

Actuation method Hydraulic, DOT 4 fluid type

Rear brake Single 2-piston caliper, floating mount

Rear rotor Single 10.9-inch fixed rotor

Actuation method Hydraulic, DOT 4 fluid type

## Wheels and Tires

Front wheel 2.50 x 19 MT-H2, Patented Cross Spoke Wheels

Rear wheel 4.00 x 17 MT-H2, Patented Cross Spoke Wheels

Front tire 110/80R 19 59H tubeless

Rear tire 150/70R 17 69H tubeless

## Dimensions

Overall length 86.2 inches (2189 mm)

Overall width 35.9 inches (920 mm)

Wheelbase 58.9 inches (1509 mm)

Ground clearance 7.9 inches (200 mm)

Seat height 33.1 / 33.8 inches (840 / 860 mm)

Handlebar width 35.6 inches (903 mm)

Steering angle 62.9 degrees (laden)

Front wheel trail 4.5 inches (114.3 mm)

Weight - dry 524

Weight - wet 568

Maximum load 1014 lbs. GVWR

Wheel load Front=396 lbs

limits Rear=660 lbs

## Available Color

Sun Yellow Black Seat

## Standard Equipment

-Black drivetrain

-Single key lock system for ignition, fuel cap and seat lock

-Heated handgrips

-Six-speed transmission with Sport ratios

-Removable, three-position adjustable windshield

-Electronically controlled 3-way catalytic converter

-Hazard warning flashers

-Cross Spoke wheels

-Ellipsoidal-principal twin headlight with reflectors

-Rider Information Display (oil temp, fuel level, clock, gear selection)

-Saddlebag mounting brackets

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# 2003 BMW R 1150 RS ABS

Importer: BMW of North America, LLC.

\*\*New for 2003

Manufacturer: BMW AG, Munich, Germany

Price excludes taxes, license, options, and handling charges.

Mfr.'s Suggested Retail Price: \$15,490.00\*

MSRP includes equalized freight charges.

Engine		Brakes	
Type	Air-cooled/oil-cooled twin-cylinder	Brake system	BMW Integral ABS, fully integrated
Bore x stroke	101 mm x 70.5 mm	Front brakes	Two 4-piston calipers, staggered piston diameter
Displacement	1130 cc	Front rotors	Dual 12.6-inch floating rotors
Horsepower	95 bhp @ 7250 rpm	Actuation method	Hydraulic, DOT 4 fluid type
Torque	74 lb.-ft. @ 5500 rpm	Rear brake	Single 2-piston caliper, floating mount
Compression ratio	11.3:1	Rear rotor	Single 10.9-inch fixed rotor
Valve gear	HC, chain-driven	Actuation method	Hydraulic, DOT 4 fluid type
Valves	34 mm intake / 29 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	Intake opens 5 degrees ATDC Intake closes 33 degrees ABDC Exhaust opens 27 degrees BBDC Exhaust closes 5 degrees BTDC	Front wheel	3.50 x 17 MT-H2, cast alloy, 5 double-spoke
		Rear wheel	5.00 x 17 MT-H2, cast alloy, 5 double-spoke
		Front tire	120/70ZR 17 tubeless
		Rear tire	170/60ZR 17 tubeless
Valves per cylinder	Four	Dimensions	
Engine oil capacity	4 quarts of SF, SG motor oil, also w/CC or CD	Overall length	85.6 inches (2175 mm)
Engine oil filter	Spin-on Micronic filter cartridge	Overall width	36.2 inches (920 mm)
Fuel and Ignition	Bosch Motronic MA 2.4	Wheelbase	58.0 inches (1473 mm)
Fuel requirement	Unleaded, middle-grade premium, 90 AKI	Ground clearance	6.0 inches (153 mm)
Fuel tank	Polyamide tank with enclosed fuel pump & filter	Seat height	30.7 / 31.5 / 32.2 inches (780 / 800 / 820 mm)
Fuel capacity	5.8 U.S. gallons including 1 gal. reserve	Handlebar width	29.0 inches (735 mm)
Air filter	Paper-type element	Steering angle	65.9 degrees
Charging system	700 W @ 14V	Front wheel trail	4.1 inches (104 mm)
Battery	BMW Mareg, 12V - 19 amp/h low maintenance	Weight - dry	614
Cooling system	Combined air/oil cooled	Weight - wet	655
Drivetrain		Maximum load	992 lbs. gross vehicle weight rating
Primary drive	Helical-cut gears with tensioner	Wheel load limits	Front=397 lbs Rear=662 lbs
Clutch	165 mm dry, single plate with diaphragm spring	Available Colors	
Gear ratios	1st gear: 2.05:1 2nd gear: 1.60:1 3rd gear: 1.27:1	Pacific Blue	Titan Silver Metallic
	4th gear: 1.04:1 5th gear: 0.90:1 6th gear: 0.70:1	Phoenix Grey / Ivory**	Dark Blue / Frost Blue Black seat on all
Drive system		Standard Equipment	
Final drive	Enclosed driveshaft with two universal joints and integral torsional damper	-Integral sport-touring fairing	
Frame and Suspension		-Single key lock system for ignition, steering, fuel cap, seat storage compartment locks	
Frame	Three-section frame	-Integrated ignition and steering lock	
Front suspension	BMW Telelever with central spring strut, progressive rate spring & gas shock, variable rebound damping	-Saddlebag mounts -Electronically controlled 3-way catalytic converter	
Front travel	4.7 inches	-Ergonomics Package (adjustable windshield, handlebars and seat)	
Rear suspension	Patented BMW Paralever & shaft drive, gas shock w/variable rebound damping, 40-position preload	-Hazard warning flashers -Power accessory socket	
Rear travel	5.3 inches	-Rider Information Display (oil temp, fuel level, clock, gear selection) -Heated handgrips	

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# 2003 BMW R 1150 RT ABS

Importer: BMW of North America, LLC.

Manufacturer: BMW AG, Munich, Germany

Mfr.'s Suggested Retail Price: \$16,290.00\*

\*Actual Price Determined by Dealer

\*\*New for 2003

Price excludes taxes, license, options, and handling charges.

MSRP includes equalized freight charges.

Engine		Brakes	
Type	Air-cooled/oil-cooled twin-cylinder	Brake system	BMW Integral ABS, fully integrated
Bore x stroke	101 mm x 70.5 mm	Front brakes	Two 4-piston calipers, staggered piston diameter
Displacement	1130 cc	Front rotors	Dual 12.6-inch floating rotors
Horsepower	95 bhp @ 7250 rpm	Actuation method	Hydraulic, DOT 4 fluid type
Torque	74 lb.-ft. @ 5500 rpm	Rear brake	Single 2-piston caliper, floating mount
Compression ratio	11.3:1	Rear rotor	Single 10.9-inch fixed rotor
Valve gear	HC, chain-driven	Actuation method	Hydraulic, DOT 4 fluid type
Valves	34 mm intake / 29 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	Intake opens 5 degrees ATDC Intake closes 33 degrees ABDC Exhaust opens 27 degrees BBDC Exhaust closes 5 degrees BTDC	Front wheel	3.50 x 17 MT-H2, cast alloy, 5 double-spoke
		Rear wheel	5.00 x 17 MT-H2, cast alloy, 5 double-spoke
		Front tire	120/70ZR 17 tubeless
		Rear tire	170/60ZR 17 tubeless
Valves per cylinder	Four	Dimensions	
Engine oil capacity	4 quarts of SF, SG motor oil, also w/CC or CD	Overall length	86.4 inches (2195mm)
Engine oil filter	Spin-on Micronic filter cartridge	Overall width	35.4 inches (898 mm)
Fuel and Ignition	Bosch Motronic MA 2.4	Wheelbase	58.5 inches (1485 mm)
Fuel requirement	Unleaded, middle-grade premium, 90 AKI	Ground clearance	6.0 inches (153 mm)
Fuel tank	Polyamide tank with enclosed fuel pump & filter	Seat height	30.7 / 31.5 / 32.2 inches (780 / 800 / 820 mm)
Fuel capacity	6.6 U.S. gallons including 1 gal. reserve	Handlebar width	30.5 inches (775 mm)
Air filter	Paper-type element	Steering angle	62.8 degrees
Charging system	700 W @ 14V	Front wheel trail	4.8 inches (122 mm)
Battery	BMW Mareg, 12V - 19 amp/h low maintenance	Weight - dry	592
Cooling system	Combined air/oil cooled	Weight - wet	641
Drivetrain		Maximum load	1080 lbs. GVWR
Primary drive	Helical-cut gears with tensioner	Wheel load limits	Front=440 lbs Rear=726 lbs
Clutch	165 mm dry, single plate with diaphram spring	Available Colors	
Gear ratios	1st gear: 2.05:1 2nd gear: 1.60:1 3rd gear: 1.27:1	4th gear: 1.04:1 5th gear: 0.90:1 6th gear: 0.70:1	Biarritz Blue Metallic** Titan Silver Metallic
			Red Metallic** Black seat on all
Drive system		Standard Equipment	
Final drive	Spiral bevel gears, 2.91:1 ratio (32/11)	-Integral touring fairing with full lower protection	
Frame and Suspension		-Single key lock system for ignition, steering, fuel cap, seat storage compartment locks, saddlebags	
Frame	Steel three-section frame	-Electric adjustable windscreens	
Front suspension	BMW Telelever with central suspension strut, linear-rate coil spring, gas-pressure shock	-Integral saddlebags -Electronically controlled 3-way catalytic converter	
Front travel	4.7 inches	-Adjustable seat and shift lever	
Rear suspension	Patented BMW Paralever & shaft drive, gas-pressure shock w/variable rebound damping, 40-position preload	-Hazard warning flashers and power accessory sockets -Rider Information Display (oil temp, fuel level, clock, gear selection)	
Rear travel	5.3 inches	-Large luggage rack for optional top box	
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# 2003 BMW R 1200 C ABS

Importer: BMW of North America, LLC.

\*Actual Price Determined by Dealer

\*\*New for 2003

Manufacturer: BMW AG, Munich, Germany

Price excludes taxes, license, options, and handling charges.

Mfr.'s Suggested Retail Price: \$14,590.00\*

MSRP includes equalized freight charges.

## Engine

Type Air-cooled/oil-cooled twin-cylinder

## Brakes

Bore x stroke 101 mm x 73 mm

Brake system BMW / FAG anti-lock brake system - ABS II

Displacement 1170 cc

Front brakes Two 4-piston fixed calipers with wear compensation

Horsepower 61 bhp @ 5000 rpm

Front rotors Dual 12.0-inch floating rotors

Torque 70.85 lb.-ft. @ 3000 rpm

Actuation method Hydraulic, DOT 4 fluid type

Compression ratio 10.0:1

Rear brake Single 2-piston caliper, floating mount

Valve gear HC, chain-driven

Rear rotor Single 11.2-inch rotor

Valves 34 mm intake / 29 mm exhaust

Actuation method Hydraulic, DOT 4 fluid type

Valve timing Intake opens 17 degrees ATDC

## Wheels and Tires

(measured at 3 mm valve clearance) Intake opens 15 degrees ABDC

Front wheel 2.50 x 18 MT-H2, patented Cross Spoke wheels

Exhaust opens 15 degrees ABDC

Rear wheel 4.00 x 15 MT-H2, patented Cross Spoke wheels

Exhaust opens 17 degrees BTDC

Front tire 100/90ZR 18 tubeless

Valves per cylinder Four

## Dimensions

Engine oil capacity 3.75 qts. of SF, SG motor oil, also w/CC or CD suff.

Overall length 92.1 inches (2340 mm)

Engine oil filter Spin-on Micronic filter cartridge

Overall width 41.3 inches (1050 mm)

Fuel and Ignition Bosch Motronic MA 2.4

Wheelbase 65.0 inches (1650 mm)

Fuel requirement Unleaded, middle-grade premium, 90 AKI

Ground clearance 6.8 inches (172 mm)

Fuel tank Steel tank with enclosed fuel pump & filter

Seat height 29.1 inches (740 mm)

Fuel capacity 4.5 U.S. gallons including 1 gal. reserve

Handlebar width 30.5 inches (775 mm)

Air filter Paper-type element, circular

Steering angle 60.5 degrees

Charging system 700 W @ 14V

Weight - dry 543

Battery BMW Mareg, 12 V/19 amp/h low maintenance

Weight - wet 581

Cooling system Combined air/oil cooled

Maximum load 992 lbs. GVWR

## Drivetrain

## Available Colors

Primary drive Helical-cut gears with tensioner

Night Black Mocha Brown Metallic\*\* Black seat on all

Clutch 165 mm dry, single plate with diaphragm spring

Flashstone Sorren Blue Metallic\*\*

Gear ratios 1st gear: 2.05:1 4th gear: 1.04:1

## Standard Equipment

2nd gear: 1.60:1 5th gear: 0.80:1

-Integrated ignition switch and lock

3rd gear: 1.27:1

-Single key system for all locks

Drive system Enclosed driveshaft with one universal joint

-4-position adjustable front brake and clutch levers

and integral torsional damper

-Polished and chrome-plated stainless-steel exhaust

Final drive Spiral bevel gears, 2.54:1 ratio (28/11)

-Electronically controlled 3-way catalytic converter

## Frame and Suspension

-Two-piece seat with flip-up pillion as rider backrest

Frame Cast aluminum front frame section

-High one-piece handlebar

Front suspension BMW Telelever with central suspension strut, linear-rate

-Integrated oil cooler in front frame section

coil spring, gas-pressure shock

-Hazard warning flashers

Front travel 5.7 inches

-Heated handgrips

Rear suspension BMW Monolever with shaft drive, gas-pressure shock

with 5-position preload

Rear travel 3.9 inches

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# 2003 BMW R 1200 CL

Importer: BMW of North America, LLC.

Manufacturer: BMW AG, Munich, Germany

Mfr.'s Suggested Retail Price: \$15,990.00\*

\*Actual Price Determined by Dealer

Price excludes taxes, license, options, and handling charges.

MSRP includes equalized freight charges.

## Engine

Type Air-cooled/oil-cooled twin-cylinder

Bore x stroke 101 mm x 73 mm

Displacement 1170 cc

Horsepower 61 bhp @ 5000 rpm

Torque 72 lb.-ft. @ 3000 rpm

Compression ratio 10.0:1

Valve gear HC, chain-driven

Valves 34 mm intake / 29 mm exhaust

Valve timing Intake opens 17 degrees ATDC

(measured at 3 mm valve clearance) Intake opens 15 degrees ABDC

Exhaust opens 15 degrees ABDC

Exhaust opens 17 degrees BTDC

Valves per cylinder Four

Engine oil capacity 3.75 qts. of SF, SG motor oil, also w/CC or CD suff.

Engine oil filter Spin-on Micronic filter cartridge

Fuel and Ignition Bosch Motronic MA 2.4

Fuel requirement Unleaded, middle-grade premium, 90 AKI

Fuel tank Steel tank with enclosed fuel pump & filter

Fuel capacity 3.85 U.S. gallons including 1 gal. reserve

Air filter Paper-type element, circular

Charging system 800 W

Battery BMW fully encapsulated gel-type.

Cooling system Combined air/oil cooled

## Brakes

Brake system BMW Integral anti-lock brake system - ABS II

Front brakes Evo, Two 4-piston fixed calipers

Front rotors Dual 12.0-inch floating rotors

Actuation method Hydraulic, DOT 4 fluid type

Rear brake One 2-piston caliper, floating mount

Rear rotor Single 11.22-inch fixed rotor

Actuation method Hydraulic, DOT 4 fluid type

## Wheels and Tires

Front wheel 3.5 x 16, Cast aluminum wheels

Rear wheel 4.0 x 15, Cast aluminum wheels

Front tire 150/80 16 tubeless

Rear tire 170/80 15 tubeless

## Dimensions

Overall length 95.1 inches (2415 mm)

Overall width 42.3 inches (1075 mm)

Wheelbase 64.61 inches (1641 mm)

Ground clearance 6.25 inches (159 mm)

Seat height 29.3 inches (745 mm)

Handlebar width 33.6 inches (853 mm)

Steering angle 56.5 degrees

Weight - dry 672

Weight - wet 709

Maximum weight 1169 lbs. GVWR

## Available Colors

Pearl Silver Metallic Black Seat

Capri Blue Metallic Black Seat

Mojave Brown Metallic Brown Seat

## Standard Equipment

-Integrated ignition switch and lock

-Single key system for all locks

-Four-position adjustable front brake and clutch levers

-Polished and chrome-plated stainless-steel exhaust

-Electronically controlled 3-way catalytic converter

## Drivetrain

Primary drive Helical-cut gears with tensioner

Clutch 165 mm (6.5-inch) dry, single plate with diaphragm spring

Gear ratios 1st gear: 2.038:1 4th gear: 1.034:1

2nd gear: 1.600:1 5th gear: 0.903:1

3rd gear: 1.267:1 6th gear: 0.698:1

Drive system Enclosed driveshaft with one universal joint

and integral torsional damper

Final drive Spiral bevel gears, 2.62:1 ratio

## Frame and Suspension

Frame Cast aluminum front frame section, load-bearing engine

Front suspension BMW Telelever with central suspension strut, linear-rate

coil spring, gas-pressure shock

Front travel 5.67 inches

Rear suspension BMW Monolever with shaft drive, gas shock

with variable preload

Rear travel 4.72 inches

-Locking body-colored top and side cases; top case is removable

-Four-headlamp system integrated into front fairing

-Heel-toe shifter and floorboards

-Hazard warning flashers

-Two power accessory sockets

-Heated rider's grips

-Cruise Control

-Chrome Package

-Radio Prep

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# 2003 BMW R 1200 CLC

Importer: BMW of North America, LLC.

Manufacturer: BMW AG, Munich, Germany

Mfr.'s Suggested Retail Price: \$16,490.00\*

\*Actual Price Determined by Dealer

Price excludes taxes, license, options, and handling charges.

MSRP includes equalized freight charges.

## Engine

Type Air-cooled/oil-cooled twin-cylinder

Bore x stroke 101 mm x 73 mm

Displacement 1170 cc

Horsepower 61 bhp @ 5000 rpm

Torque 72 lb.-ft. @ 3000 rpm

Compression ratio 10.0:1

Valve gear HC, chain-driven

Valves 34 mm intake / 29 mm exhaust

Valve timing Intake opens 17 degrees ATDC

(measured at 3 mm valve clearance) Intake opens 15 degrees ABDC

Exhaust opens 15 degrees ABDC

Exhaust opens 17 degrees BTDC

Valves per cylinder Four

Engine oil capacity 3.75 qts. of SF, SG motor oil, also w/CC or CD suff.

Engine oil filter Spin-on Micronic filter cartridge

Fuel and Ignition Bosch Motronic MA 2.4

Fuel requirement Unleaded, middle-grade premium, 90 AKI

Fuel tank Steel tank with enclosed fuel pump & filter

Fuel capacity 3.85 U.S. gallons including 1 gal. reserve

Air filter Paper-type element, circular

Charging system 800 W

Battery BMW fully encapsulated gel-type.

Cooling system Combined air/oil cooled

## Brakes

Brake system BMW Integral anti-lock brake system - ABS II

Front brakes Evo, Two 4-piston fixed calipers

Front rotors Dual 12.0-inch floating rotors

Actuation method Hydraulic, DOT 4 fluid type

Rear brake One 2-piston caliper, floating mount

Rear rotor Single 11.22-inch fixed rotor

Actuation method Hydraulic, DOT 4 fluid type

## Wheels and Tires

Front wheel 3.5 x 16, Cast aluminum wheels

Rear wheel 4.0 x 15, Cast aluminum wheels

Front tire 150/80 16 tubeless

Rear tire 170/80 15 tubeless

## Dimensions

Overall length 95.1 inches (2415 mm)

Overall width 42.3 inches (1075 mm)

Wheelbase 64.61 inches (1641 mm)

Ground clearance 6.25 inches (159 mm)

Seat height 29.3 inches (745 mm)

Handlebar width 33.6 inches (853 mm)

Steering angle 56.5 degrees

Weight - dry 689

Weight - wet 726

Maximum weight 1169 lbs. GVWR

## Available Colors

Pearl Silver Metallic Black Seat

Capri Blue Metallic Black Seat

Mojave Brown Metallic Brown Seat

## Standard Equipment

-Integrated ignition switch and lock

-Single key system for all locks

-Four-position adjustable front brake and clutch levers

-Polished and chrome-plated stainless-steel exhaust

-Electronically controlled 3-way catalytic converter

Frame Cast aluminum front frame section, load-bearing engine

Front suspension BMW Telelever with central suspension strut, linear-rate

coil spring, gas-pressure shock

Front Travel 5.67 inches

Rear suspension BMW Monolever with shaft drive, gas shock

with variable preload

Rear Travel 4.72 inches

-Two power accessory sockets

-Heated rider's grips -Radio/CD player

-Cruise Control -Soft touch Seat

-Chrome Package -Heated Seat

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# 2003 BMW R 1200 C Montana

Importer: BMW of North America, LLC.

\*\*New for 2003

Manufacturer: BMW AG, Munich, Germany

Price excludes taxes, license, options, and handling charges.

Mfr.'s Suggested Retail Price: \$15,990.00\*

MSRP includes equalized freight charges.

## Engine

Type Air-cooled/oil-cooled twin-cylinder

## Brakes

Bore x stroke 101 mm x 73 mm

Brake system BMW / FAG anti-lock brake system - ABS II

Displacement 1170 cc

Front brakes Two 4-piston fixed calipers, wear compensation

Horsepower 61 bhp @ 5000 rpm

Front rotors Dual 12.0-inch floating rotors

Torque 71 lb.-ft. @ 3000 rpm

Actuation method Hydraulic, DOT 4 fluid type

Compression ratio 10.0:1

Rear brake Single 2-piston caliper, floating mount

Valve gear HC, chain-driven

Rear rotor Single 11.2-inch rotor

Valves 34 mm intake / 29 mm exhaust

Actuation method Hydraulic, DOT 4 fluid type

Valve timing Intake opens 17 degrees ATDC

Front wheel 2.50 x 18 MT-H2, patented Cross Spoke wheels

(measured at 3 mm valve clearance) Intake opens 15 degrees ABDC

Rear wheel 4.00 x 15 MT-H2, patented Cross Spoke wheels

Exhaust opens 15 degrees ABDC

Front tire 100/90ZR 18 tubeless

Exhaust opens 17 degrees BTDC

Rear tire 170/80ZR 15 tubeless

Valves per cylinder Four

## Dimensions

Engine oil capacity 3.75 qts. of SF, SG motor oil, also w/CC or CD suff.

Overall length 92.1 inches (2340 mm)

Engine oil filter Spin-on Micronic filter cartridge

Overall width 41.3 inches (1050 mm)

Fuel and Ignition Bosch Motronic MA 2.4

Wheelbase 65.0 inches (1650 mm)

Fuel requirement Unleaded, middle-grade premium, 90 AKI

Ground clearance 6.8 inches (172 mm)

Fuel tank Steel tank with enclosed fuel pump & filter

Seat height 29.1 inches (740 mm)

Fuel capacity 4.5 U.S. gallons including 1 gal. reserve

Handlebar width 30.5 inches (775 mm)

Air filter Paper-type element, circular

Steering angle 60.5 degrees

Charging system 700 W @ 14V

Weight - dry 689

Battery BMW Mareg, 12 V/19 amp/h low maintenance

Weight - wet 565

Cooling system Combined air/oil cooled

Maximum load 1014 lbs. GVWR

## Drivetrain

## Available Colors

Primary drive Helical-cut gears with tensioner

Night Black Sorren Blue Metallic\*\* Mocha Brown Metallic\*\*

Clutch 165 mm dry, single plate with diaphragm spring

Flashstone Black seat on all

Gear ratios 1st gear: 2.05:1 4th gear: 1.04:1

Standard Equipment

2nd gear: 1.60:1 5th gear: 0.80:1

-Integrated ignition switch and lock

3rd gear: 1.27:1

-Single key system for all locks

Drive system Enclosed driveshaft with one universal joint and integral torsional damper

-4-position adjustable front brake and clutch levers

Final drive Spiral bevel gears, 2.54:1 ratio (33/11)

-Polished and chrome-plated stainless-steel exhaust

## Frame and Suspension

-Electronically controlled 3-way catalytic converter

Frame Cast aluminum front frame section

-High one-piece handlebars

Front suspension BMW Telelever with central suspension strut, linear-rate coil spring, gas-pressure shock

-Integrated oil cooler in front frame section

Front travel 5.7 inches

-Hazard warning flashers

Rear suspension BMW Monolever with shaft drive, gas-pressure shock with 5-position preload

-Touring windshield

Rear travel 3.9 inches

-Large passenger seat

-Locking saddlebags

-Heated handlebar grips

-Engine protection guards

# 2003 BMW R 1200 C Phoenix

Importer: BMW of North America, LLC.

Manufacturer: BMW AG, Munich, Germany

Mfr.'s Suggested Retail Price: \$15,100.00\*

\*Actual Price Determined by Dealer

Price excludes taxes, license, options, and handling charges.

MSRP includes equalized freight charges.

Engine		Brakes	
Type	Air-cooled/oil-cooled twin-cylinder	Brake system	BMW / FAG anti-lock brake system - ABS II
Bore x stroke	101 mm x 73 mm	Front brakes	Two 4-piston fixed calipers with wear compensation
Displacement	1170 cc	Front rotors	Dual 12.0-inch floating rotors
Horsepower	61 bhp @ 5000 rpm	Actuation method	Hydraulic, DOT 4 fluid type
Torque	71 lb.-ft. @ 3000 rpm	Rear brake	Single 2-piston caliper, floating mount
Compression ratio	10.0:1	Rear rotor	Single 11.2-inch rotor
Valve gear	HC, chain-driven	Actuation method	Hydraulic, DOT 4 fluid type
Valves	34 mm intake / 29 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	Intake opens 17 degrees ATDC Intake opens 15 degrees ABDC Exhaust opens 15 degrees ABDC Exhaust opens 17 degrees BTDC	Front wheel	2.50 x 18 MT-H2, cast alloy 3-spoke wheels
		Rear wheel	4.00 x 15 MT-H2, cast alloy 3-spoke wheels
		Front tire	100/90ZR 18 tubeless
		Rear tire	170/80ZR 15 tubeless
Valves per cylinder	Four	Dimensions	
Engine oil capacity	3.75 qts. of SF, SG motor oil, also w/CC or CD suff.	Overall length	92.1 inches (2340 mm)
Engine oil filter	Spin-on Micronic filter cartridge	Overall width	41.3 inches (1050 mm)
Fuel and Ignition	Bosch Motronic MA 2.4	Wheelbase	65.0 inches (1650 mm)
Fuel requirement	Unleaded, middle-grade premium, 90 AKI	Ground clearance	6.8 inches (172 mm)
Fuel tank	Steel tank with enclosed fuel pump & filter	Seat height	29.1 inches (740 mm)
Fuel capacity	4.5 U.S. gallons including 1 gal. reserve	Handlebar width	30.5 inches (775 mm)
Air filter	Paper-type element, circular	Steering angle	60.5 degrees
Charging system	700 W @ 14V	Weight - dry	689
Battery	BMW Mareg, 12 V/19 amp/h low maintenance	Weight - wet	726
Cooling system	Combined air/oil cooled	Maximum load	1014 lbs. GVWR
Drivetrain		Available Colors	
Primary drive	Helical-cut gears with tensioner	Mandarin / Graphite	Black Seat
Clutch	165 mm dry, single plate with diaphragm spring	Standard Equipment	
Gear ratios	1st gear: 2.05:1 2nd gear: 1.60:1 3rd gear: 1.27:1	4th gear: 1.04:1 5th gear: 0.80:1	-Integrated ignition switch and lock -Single key system for all locks -4-position adjustable front brake and clutch levers
Drive system	Enclosed driveshaft with one universal joint and integral torsional damper		-Polished and chrome-plated stainless-steel exhaust -Electronically controlled 3-way catalytic converter
Final drive	Spiral bevel gears, 2.54:1 ratio (33/11)		-High one-piece handlebars -Integrated oil cooler in front frame section
Frame and Suspension			-Hazard warning flashers
Frame	Cast aluminum front frame section		-2-piece, 3-spoke light alloy wheels
Front suspension	BMW Telelever with central suspension strut, linear-rate coil spring, gas-pressure shock		-Small speedster windscreens
Front travel	5.7 inches		-2 additional halogen driving lights
Rear suspension	BMW Monolever with shaft drive, gas-pressure shock with 5-position preload		-Solo seat -Clear turn signal lenses, oval shaped chrome rear turn signal housings
Rear travel	3.9 inches		-Additional chrome highlights & BMW logos
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