

Specifications.

BMW C 600 Sport. BMW C 650 GT.

		BMW C 600 Sport	BMW C 650 GT
Engine			
Capacity	cc	647	
Bore/stroke	mm	79/66	
Output	kW/bhp	44/60	
at engine Speed	rpm	7 500	
Torque	Nm	66	
at engine Speed	rpm	6 000	
Type	Water cooled straight two-cylinder engine		
Compression/fuel	11,6:1/ premium unleaded (95 RON)		
Valve actuation	DOHC (double overhead camshaft), bucket tappets		
Valves per cylinder	mm	4	
Ø intake/outlet	mm	31,5/27,1	
Throttle valve diameter	mm	38	
Carburation	Electronic manifold injection, BMS-E		
Emission control	Fully controlled three-way catalytic converter		
Electrical System			
Alternator	W	588	
Battery	V/Ah	12/12	
Headlight	Low-/high beam: Halogen 12V/55W		
Rear light	Brake-/rear light: LED		LED-rear light, brake light: 2x 12V/21W
Starter	kW	0,6	
Power transmission - gearbox			
Clutch	Centrifugal clutch		
Gearbox	CVT (continuosly variable transmission)		
Primary ratio	1,06		
Rear wheel drive	Chain in oil bath		
Transmission ratio	2,688		
Chassis			
Frame construction type	Aluminum bridge frame with aluminium rear frame bolted on		
Suspension, front	Upside-down telescopic fork		
Suspension, rear	Cast single swingarm		
Spring travel, front/rear	mm	115/115	
Wheel castor	mm	92	
Wheelbase	mm	1 591	
Steering head angle	°	64,6	
Brakes	front	Hydraulically actuated double disc brake, Ø 270 mm, double piston floating calliper	
	rear	Hydraulically actuated single disc brake, Ø 270 mm, double piston floating calliper	
ABS	BMW Motorrad ABS (standard)		
Wheels	Cast aluminium wheels		
	front	3,50 x 15"	
	rear	4,50 x 15"	
Tyres	front	120/70 R15	
	rear	160/60 R15	
Dimensions and weights			
Total length	mm	2 155	2 218
Total width	mm	877/790	916/822
Seat height (without rider)	mm	810 (standard)	780 (standard)
DIN unladen weight, ready for road	kg	249	261
Permitted total weight	kg	445	445
Fuel tank capacity	l	16	
Performance figures			
Fuel consumption			
90 km/h	l/100 km	4,4	
100 km/h	l/100 km	4,8	
120 km/h	l/100 km	5,6	
Acceleration			
0-100 km/h	s	7,1	7,5
Max. speed	km/h	175	

Specifications. BMW C evolution.

BMW C evolution		
Drive		
Nominal output	kW/hp	11/15
Maximum output	kW/hp	35/47.5
at rpm	rpm	4,650
Torque	Nm	72
at rpm	rpm	0 to approx. 4,500
Type	Drivetrain swingarm with liquid-cooled electric motor; permanent magnet synchronous motor with surface magnets, max. torque 9,200 rpm	
Electrical system		
Drive battery	Air-cooled lithium-ion high-voltage battery with auxiliary cooler	
Battery capacity	kWh	8 (3 modules, 12 cells each with 60 Ah)
Battery voltage (nominal)	V	133
Charge capacity	kWh	3 (built-in charger)
Charge time	At 220V / 12A charge current: approx. 4h for 100%; 2:45 h for 80% At 220V / 16A charge current: approx. 3h for 100%; 2:15h for 80%	
Secondary battery	V/Ah	12 / 8
Generator	W	DC-DC transformer integrated into the charger, 475
Headlights	High/low beam: 12V/55W, halogen; LED daytime running light/sidelight	
Rear light	LED brake/rear light	
Power transmission - gearbox		
Secondary drive	Hybrid chassis with load-bearing battery casing made from diecast aluminium, bolted-on steering head support and rear frame made from steel tubing	
Overall reduction ratio	1 : 8.28	
Chassis		
Frame type	Tubular steel frame, load-bearing motor	
Front suspension	Upside-down telescopic fork, Ø 40 mm	
Rear suspension	Single-sided swing arm with directly controlled spring strut; spring preload manually adjustable in 7 stages	
Spring travel front/rear	mm	120/115
Wheel castor	mm	95
Wheelbase	mm	1,594
Steering head angle	°	65.9
Brakes	front	Hydraulically actuated double-disc brake, Ø 270 mm, twin-piston floating calliper
	rear	Hydraulically actuated single-disc brake, Ø 270 mm, single-piston floating calliper
ABS	BMW Motorrad ABS as standard	
Rims	Cast aluminium	
	front	3.50 x 15"
	rear	4.50 x 15"
Tyres	front	120/70 R15
	rear	160/60 R15
Dimensions and weights		
Length	mm	
Width incl. mirrors	mm	
Height		
Seat height (without rider)	mm	
DIN unladen weight, road ready	kg	
Permitted total weight	kg	445
Performance figures		
Top speed	km/h	
Acceleration		
0–50 km/h	s	
0–100 km/h	s	
Range		
Recuperation	Automatic recuperation when coasting and braking, simulated drag torque ("motor braking"), potential range increase approx. 10–20%	

Specifications.

BMW G 650 GS. BMW G 650 GS Sertão

		BMW G 650 GS	BMW G 650 GS Sertão
Engine			
Capacity	cc	652	
Bore/stroke	mm	100/83	
Output	kW/bhp	35/48	
at engine Speed	rpm	6 500	
Torque	Nm	60	
at engine Speed	rpm	5 000	
Type		Water cooled single-cylinder engine	
Compression/fuel		11,5:1/ regular unleaded (91 RON)	
Valve actuation		DOHC (double overhead camshaft), bucket tappets	
Valves per cylinder		4	
Ø intake/outlet	mm	36/31	
Throttle valve diameter	mm	43	
Carburation		Electronic manifold injection, engine management BMS-C II	
Emission Control		Fully controlled three-way catalytic converter	
Electrical System			
Alternator	W	400	
Battery	V/Ah	12/12	
Headlight		High-/low beam: Halogen 12V/55W	
Rear light		Brake light: 12V/21W, rear light: 12V/5W	
Starter	kW	0,9	
Power transmission - gearbox			
Clutch		Multidisc oil bath clutch, mechanically actuated	
Gearbox		Claw-shifted five-speed gearbox	
Primary ratio		1,946	
Gear transmission ratio	I	2,750	
	II	1,750	
	III	1,313	
	IV	1,045	
	V	0,875	
Rear wheel drive		Chain	
Transmission ratio		2,938	
Chassis			
Frame construction type		Steel bridge frame with bolt-on framework tail	
Suspension, front		Telescopic forks with form stabiliser	
Suspension, rear		Boxed dual swing arm of steel sections, central spring strut actuation via lever system	
Spring travel, front/rear	mm	170/165	210/210
Wheel castor	mm	113	123
Wheelbase	mm	1 477	1 484
Steering head angle	°	61,9	
Brakes	front	Hydraulically actuated single disc brake, Ø 300 mm, floating two-calliper brake	
	rear	Hydraulically actuated single disc brake, Ø 240 mm, floating single-calliper brake	
ABS		BMW Motorrad ABS as standard (disengageable)	
Wheels		Cast aluminium wheels	Wire spoke wheels
	front	2,50 x 19"	1,60 x 21"
	rear	3,50 x 17"	3,00 x 17"
Tyres	front	110/80 R19	90/90 R21 54S
	rear	140/80 R 17	130/80 R17 65S
Dimensions and weights			
Total length	mm	2 165	2 185
Total width with/without mirrors	mm	920 /886	
Seat height (without rider)	mm	780 (optional equipment: 750)	800 (special equipment 900)
DIN unladen weight, ready for road	kg	192	193
Permitted total weight	kg	380	
Fuel tank capacity	l	14	
Performance figures			
Fuel consumption			
90 km/h	l/100 km	3,2	
120 km/h	l/100 km	4,3	
Acceleration			
0-100 km/h	s	5,7	
Max. speed	km/h	170	

Specifications.

BMW F 700 GS.

BMW F 700 GS		
Engine		
Capacity	cc	798
Bore/stroke	mm	82/75.6
Output	kW/bhp	55/75
at engine Speed	rpm	7,300
Torque	Nm	77
at engine Speed	rpm	5,300
Type	Water cooled straight two cylinder engine	
Compression/fuel	12.0 : 1 / premium unleaded (95 RON)	
Valve actuation	DOHC (double overhead camshaft), rocker arms	
Valves per cylinder	4	
Ø intake/outlet	mm	32/27.5
Throttle valve diameter	mm	46
Carburation	Electronic manifold injection, engine engine management BMS-KP	
Emission control	Fully controlled three way catalytic converter	
Electrical System		
Alternator	W	400
Battery	V/Ah	12/14
Headlight	High/low-beam: 12 V/55 W, halogen	
Rear light	LED brake/rear light	
Starter	kW	0.9
Power transmission - gearbox		
Clutch	Multidisc oil bath clutch, mechanically actuated	
Gearbox	Claw-shifted six-speed gearbox	
Primary ratio	1.943	
Gear transmission ratio	I	2.462
	II	1.750
	III	1.381
	IV	1.174
	V	1.042
	VI	0.960
Rear wheel drive	Chain	
Transmission ratio	2.471	
Chassis		
Frame construction type	Tubular stell frame, load-bearing power unit	
Suspension, front	Telescopic fork, Ø 41 mm	
Suspension, rear	Double-strut swing arm, aluminium cast in one piece	
Spring travel, front/rear	mm	170/170
Wheel castor	mm	95
Wheelbase	mm	1,562
Steering head angle	°	64
Brakes	front	Hydraulically actuated double disc brake, Ø 300 mm, dual piston floating caliper
	rear	Hydraulically actuated single disc brake, Ø 265 mm, single-piston floating caliper
ABS	BMW Motorrad ABS as standard (disengageable)	
Wheels	Aluminium cast wheels	
	front	2.50 x 19"
	rear	3.5 x 17"
Tyres	front	110/80 R19
	rear	140/80 R17
Dimensions and weights		
Total length	mm	2,280
Total width with/without mirrors	mm	880/855
Seat height (without rider)	mm	820 (optional equipment 790)
DIN unladen weight, ready for road	kg	209
Permitted total weight	kg	436
Fuel tank capacity	l	16
Performance figures		
Fuel consumption	90 km/h	l/100 km
	120 km/h	l/100 km
Acceleration	0–100 km/h	s
Max. speed	km/h	192

Specifications.

BMW F 800 GS. BMW 800 GS Adventure.

		BMW F 800 GS	BMW F 800 GS Adventure
Engine			
Capacity	cc	798	
Bore/stroke	mm	82/75,6	
Output	kW/bhp	63/85	
at engine Speed	rpm	7 500	
Torque	Nm	83	
at engine Speed	rpm	5 750	
Type	Water cooled straight two-cylinder engine		
Compression/fuel	12,0:1/ premium unleaded (95 RON)		
Valve actuation	DOHC (double overhead camshaft), rocker arms		
Valves per cylinder	4		
Ø intake/outlet	mm	32/27,5	
Throttle valve diameter	mm	46	
Carburation	Electronic manifold injection, engine management BMS-KP		
Emission control	Fully controlled three-way catalytic converter		
Electrical System			
Alternator	W	400	
Battery	V/Ah	12/14, maintenance-free	
Headlight	High-/low beam: Halogen 12V/55W		
Rear light	Brake-/rear light: LED		
Starter	kW	0,9	
Power transmission - gearbox			
Clutch	Multidisc oil bath clutch, mechanically actuated		
Gearbox	Claw-shifted six-speed gearbox		
Primary ratio	1,943		
Gear transmission ratio	I	2,462	
	II	1,750	
	III	1,381	
	IV	1,174	
	V	1,042	
	VI	0,960	
Rear wheel drive	Chain		
Transmission ratio	2,625		
Chassis			
Frame construction type	Tubular steel frame, load-bearing power unit		
Suspension, front	Upside-down telescopic fork, fixed tube Ø 43mm		
Suspension, rear	Double-strut swing arm, aluminium cast in one piece		
Spring travel, front/rear	mm	230/215	
Wheel castor	mm	117	
Wheelbase	mm	1 578	
Steering head angle	°	64,0	
Brakes	front	Hydraulically actuated double-disc brake; Ø 300 mm	
	rear	Hydraulically actuated single-disc brake; Ø 265 mm	
	BMW Motorrad ABS as standard (disengageable)		
Wheels	Spoked wheels with aluminium rims		
	front	2,15x21	
	rear	4,25x17	
Tyres	front	90/90-21 54 V	
	rear	150/70-R17 69 V	
Dimensions and weights			
Total length	mm	2 320	2 305
Total width with/without mirrors	mm	945/870	925/985
Seat height (without rider)	mm	880 (optional equipment: 850)	890 (SA 860)
DIN unladen weight, ready for road	kg	207	229
Permitted total weight	kg	443	454
Fuel tank capacity	l	16	24
Performance figures			
Fuel consumption	90 km/h	l/100 km	3,8
	120 km/h	l/100 km	5,2
Acceleration	0–100 km/h	s	4,1
Max. speed	km/h	>200	193

Specifications.

BMW F 800 R.

BMW F 800 R		
Engine		
Capacity	cc	798
Bore/stroke	mm	82/75,6
Output	kW/bhp	64/87
at engine Speed	rpm	8 000
Torque	Nm	86
at engine Speed	rpm	6 000
Type	Water cooled straight two-cylinder engine	
Compression/fuel	12,0:1/ premium unleaded (95 RON)	
Valve actuation	DOHC (double overhead camshaft), rocker arms	
Valves per cylinder	4	
Ø intake/outlet	mm	32/27,5
Throttle valve diameter	mm	46
Carburation	Electronic manifold injection, engine management BMS-KP	
Emission control	Fully controlled three-way catalytic converter	
Electrical System		
Alternator	W	400
Battery	V/Ah	12/14, maintenance-free
Headlight	High-/low beam: Halogen 12V/55W	
Rear light	Brake light: 12V/21W, rear light: 12V/5W	
Starter	kW	0,9
Power transmission - gearbox		
Clutch	Multidisc oil bath clutch, mechanically actuated	
Gearbox	Claw-shifted six-speed gearbox	
Primary ratio	1,943	
Gear transmission ratio	I	2,462
	II	1,750
	III	1,381
	IV	1,227
	V	1,130
	VI	1,042
Rear wheel drive	Chain	
Transmission ratio	2,35	
Chassis		
Frame construction type	Aluminium bridge frame, load bearing power unit	
Suspension, front	Telescopic fork, Ø 43 mm	
Suspension, rear	Cast aluminium double-sided swing arm, central suspension strut, spring pre-tension by means of hand wheel, hydraulically adjustable at continuously variable levels, rebound stage adjustable	
Spring travel, front/rear	mm	125/125
Wheel castor	mm	90,7
Wheelbase	mm	1 514
Steering head angle	°	65
Brakes	front	Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper
	rear	Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper
ABS	BMW Motorrad ABS as standard	
Wheels	Aluminium cast wheels	
	front	3,50 x17"
	rear	5,50 x17"
Tyres	front	120/70 ZR 17
	rear	180/55 ZR 17
Dimensions and weights		
Total length	mm	2 121
Total width (with mirrors)	mm	905
Total height	mm	1155
Seat height (without rider)	mm	800 (optional equipment: 775, 825)
Dry weight	kg	177
DIN unladen weight, ready for road	kg	199
Permitted total weight	kg	405
Fuel tank capacity	l	16
Performance figures		
Fuel consumption		
90 km/h	l/100 km	3,6
120 km/h	l/100 km	4,8
Acceleration		
0-100 km/h	s	3,9
0-1000 m	s	23,5
Max. speed	km/h	> 200

Specifications.

BMW F 800 GT.

BMW F 800 GT		
Engine		
Capacity	cc	798
Bore/stroke	mm	82/75,6
Output	kW/bhp	66/90
at engine Speed	rpm	8 000
Torque	Nm	86
at engine Speed	rpm	5 800
Type	Water cooled straight two-cylinder engine	
Compression/fuel	12,0:1/ premium unleaded (95 RON)	
Valve actuation	DOHC (double overhead camshaft), rocker arms	
Valves per cylinder	4	
Ø intake/outlet	mm	32/27,5
Throttle valve diameter	mm	46
Carburation	Electronic manifold injection, engine management BMS-K	
Emission control	Fully controlled three-way catalytic converter	
Electrical System		
Alternator	W	400
Battery	V/Ah	12/12, maintenance-free
Headlight	High-/low beam: Halogen 12V/55W	
Rear light	Brake light 12V/21W, rear light: 12V/5W	
Starter	kW	0,9
Power transmission - gearbox		
Clutch	Multidisc oil bath clutch, mechanically actuated	
Gearbox	Claw-shifted six-speed gearbox	
Primary ratio	1,934	
Gear transmission ratio	I	2,462
	II	1,750
	III	1,381
	IV	1,174
	V	1,042
	VI	0,960
Rear wheel drive	Toothed belt drive,	
Transmission ratio	2,353	
Chassis		
Frame construction type	Aluminium bridge frame, load bearing power unit	
Suspension, front	Telescopic fork, Ø 43 mm	
Suspension, rear	Aluminium single-sided swing arm	
Spring travel, front/rear	mm	125/125
Wheel castor	mm	94,6
Wheelbase	mm	1 514
Steering head angle	°	63,8
Brakes	front	Hydraulically actuated double disc brake Ø 320 mm
	rear	Hydraulically actuated Single disc brake Ø 265 mm
	BMW Motorrad ABS as standard	
Wheels	Cast aluminium wheels	
	front	3,5x17"
	rear	5,5x17"
Tyres	front	120/70-ZR17
	rear	180/55-ZR17
Dimensions and weights		
Total length	mm	2 156
Total width with mirrors	mm	905
Seat height (without rider)	mm	800 (optional equipment: 820,765)
DIN unladen weight, ready for road	kg	213
Permitted total weight	kg	420
Fuel tank capacity	l	15
Performance figures		
Fuel consumption		
90 km/h	l/100 km	3,4
120 km/h	l/100 km	4,3
Acceleration		
0-100 km/h	s	4,0
Max. speed	km/h	>200

Specifications. BMW R nineT.

BMW R nineT		
Engine		
Capacity	cc	1 170
Bore/stroke	mm	101/73
Output	kW/bhp	81/109
at engine Speed	rpm	7 750
Torque	Nm	119
at engine Speed	rpm	6 000
Type	Air cooled two-cylinder boxer engine	
Compression/fuel	12,0:1 premium unleaded (95-98 ROZ)	
Valve actuation	DOHC (double overhead camshaft), rocker arms	
Valves per cylinder	4	
Ø intake/outlet	mm39/33	
Carburation	Electronic manifold injection, engine management BMS-K+	
Emission control	Fully controlled three-way catalytic converter	
Electrical System		
Alternator	W	720
Battery	V/Ah	12/14, maintenance-free
Headlight	High-/low beam: Halogen 12V/55W	
Rear light	Brake-/rear light: LED	
Starter	kW	1,2
Power transmission - gearbox		
Clutch	Single disc dry clutch, hydraulically actuated	
Gearbox	Claw-shifted six-speed gearbox	
Primary ratio		1,737
Gear transmission ratio	I	2,375
	II	1,696
	III	1,296
	IV	1,065
	V	0,939
	VI	0,848
Rear wheel drive	Cardan drive shaft	
Transmission ratio		2,91
Chassis		
Frame construction type	Steel tubular space frame, load bearing power unit	
Suspension, front	Upside-down telescopic fork, Ø 46mm	
Suspension, rear	BMW Paralever	
Spring travel, front/rear	mm	120/140
Wheel castor	mm	102,5
Wheelbase	mm	1 476
Steering head angle	°	64,5
Brakes	front	Hydraulically actuated double disc brake, Ø 320 mm, radial fixed four-calliper brake
	rear	Hydraulically actuated Single disc brake, Ø 265 mm, floating two-calliper brake
	BMW Motorrad ABS as standard	
Wheels	wire spoke wheels	
	front	3,50 x 17"
	rear	5,50 x 17"
Tyres	front	120/70-ZR 17
	rear	180/55-ZR 17
Dimensions and weights		
Total length	mm	2 220
Total width with mirrors	mm	890
Seat height (without rider)	mm	785
DIN unladen weight, ready for road	kg	222
Permitted total weight	kg	430
Fuel tank capacity	l	18
Performance figures		
Fuel consumption		
90 km/h	l/100 km	4,5
120 km/h	l/100 km	5,8
Acceleration		
0-100 km/h	s	3,6
Max. speed	km/h	> 200

Specifications.

BMW R 1200 R. BMW R 1200 R Classic.

		BMW R 1200 R	BMW R 1200 R Classic
Engine			
Capacity	cc	1 170	
Bore/stroke	mm	101/73	
Output	kW/bhp	81/109	
at engine Speed	rpm	7 750	
Torque	Nm	119	
at engine Speed	rpm	6 000	
Type	Air cooled two-cylinder boxer engine		
Compression/fuel	12,0:1 premium unleaded (95-98 ROZ)		
Valve actuation	DOHC (double overhead camshaft), rocker arms		
Valves per cylinder		4	
Ø intake/outlet	mm	39/33	
Carburation	Electronic manifold injection, engine management BMS-K+		
Emission control	Fully controlled three-way catalytic converter		
Electrical System			
Alternator	W	720	
Battery	V/Ah	12/14, maintenance-free	
Headlight	High-/low beam: Halogen 12V/55W		
Rear light	Brake-/rear light: LED		
Starter	kW	1,2	
Power transmission - gearbox			
Clutch	Single disc dry clutch, hydraulically actuated		
Gearbox	Claw-shifted six-speed gearbox		
Primary ratio		1,737	
Gear transmission ratio	I	2,375	
	II	1,696	
	III	1,296	
	IV	1,065	
	V	0,939	
	VI	0,848	
Rear wheel drive	Cardan drive shaft		
Transmission ratio		2,75	
Chassis			
Frame construction type	Steel tubular space frame, load bearing power unit		
Suspension, front	BMW Telelever		
Suspension, rear	BMW Paralever		
Spring travel, front/rear	mm	120/140	
Wheel castor	mm	119,1	
Wheelbase	mm	1 495	
Steering head angle	°	62,9	
Brakes	front	Hydraulically actuated double disc brake, Ø 320 mm, radial fixed four-calliper brake	
	rear	Hydraulically actuated Single disc brake, Ø 265 mm, floating two-calliper brake	
	BMW Motorrad Integral ABS as standard (partially integral)		
Wheels		Cast light alloy wheels	wire spoke wheels
	front	3,50 x 17"	
	rear	5,50 x 17",	
Tyres	front	120/70-ZR 17	
	rear	180/55-ZR 17	
Dimensions and weights			
Total length	mm	2 145	
Total width with/without mirrors	mm	906/845	
Seat height (without rider)	mm	800 (optional equipment: 830, 760, 750)	
DIN unladen weight, ready for road	kg	223	
Permitted total weight	kg	450	
Fuel tank capacity	l	18	
Performance figures			
Fuel consumption			
90 km/h	l/100 km	4,1	
120 km/h	l/100 km	5,5	
Acceleration			
0-100 km/h	s	3,5	
Max. speed	km/h	> 200	

Specifications.

BMW R 1200 GS. BMW R 1200 GS Adventure.

		BMW R 1200 GS	BMW R 1200 GS Adventure
Engine			
Capacity	cc	1 170	
Bore/stroke	mm	101/73	
Output	kW/bhp	92/125	
at engine Speed	rpm	7 750	
Torque	Nm	125	
at engine Speed	rpm	6 500	
Type	Liquid-/air cooled two-cylinder boxer engine		
Compression/fuel	12,5:1 premium unleaded 95-98 RON		
	DOHC (double overhead camshaft),		
Valve actuation	rocker arms		
Valves per cylinder	4		
Ø intake/outlet	mm	40/34	
Throttle valve diameter	mm	52	
Carburation	BMS-X		
Emission control	Fully controlled three-way catalytic converter		
Electrical System			
Alternator	W	510	
Battery	V/Ah	12/12, maintenance-free	
Headlight	H7 / LED (optional equipment)		
Rear light	Break-/rear light: LED		
Starter	kW	0,9	
Power transmission - gearbox			
Clutch	Anti-hopping wet clutch		
Gearbox	Constant mesh six-speed gearbox		
Primary ratio	1,65		
Gear transmission ratio	I	2,438	
	II	1,714	
	III	1,296	
	IV	1,059	
	V	0,943	
	VI	0,848	
Rear wheel drive	Cardan drive shaft		
Transmission ratio	2,91		
Chassis			
Frame construction type	Tubular steel frame, load-bearing power unit		
Suspension, front	BMW Telelever		
Suspension, rear	BMW EVO Paralever		
Spring travel, front/rear	mm	190/200	210/220
Wheel castor	mm	99,6	92,7
Wheelbase	mm	1 510	1 510
Steering head angle	°	64,5	65,5
Brakes	front	Hydraulically actuated double disc brake, Ø 305 mm	
	rear	Hydraulically actuated single disc brake, Ø 267 mm	
		BMW Motorrad Integral ABS as standard (partially integral, disengageable)	
Wheels		Cast light alloy wheels	Cross spoke wheels
	front	3,0 x 19"	
	rear	4,5 x 17"	
Tyres	front	120/70 R 19	
	rear	170/60 R 17	
Dimensions and weights			
Total length	mm	2 207	2 255
Total width mirrors	mm	935	980
Seat height (without rider)	mm	850/870	890/910
DIN unladen weight, ready for road	kg	238	260
Permitted total weight	kg	450	480
Fuel tank capacity	l	20	30
Performance figures			
Fuel consumption			
90 km/h	l/100 km	4,1	4,3
120 km/h	l/100 km	5,5	5,9
Acceleration			
0-100 km/h	s	3,6	3,8
Max. speed	km/h	>200	>200

Specifications.

BMW R 1200 RT.

BMW R 1200 RT		
Engine		
Capacity	cc	1170
Bore/stroke	mm	101/73
Output	kW/bhp	92/125
at engine Speed	rpm	7750
Torque	Nm	125
at engine Speed	rpm	6500
Type	Liquid-/air cooled two-cylinder boxer engine	
Compression/fuel	12,5:1 premium unleaded 95RON	
Valve actuation	DOHC (double overhead camshaft), rocker arms	
Valves per cylinder	4	
Ø intake/outlet	mm	40/34
Throttle valve diameter	mm	52
Carburation	BMS-X	
Emission control	Fully controlled three-way catalytic converter	
Electrical System		
Alternator	W	540
Battery	V/Ah	12/16, maintenance-free
Headlight	H7 / daytime-running-light(optional equipment)	
Rear light	LED Brake-/rear light	
Starter	kW	0,9
Power transmission - gearbox		
Clutch	Anti-hopping wet clutch	
Gearbox	Constant mesh six-speed gearbox	
Primary ratio	1,65	
Gear transmission ratio	I	2,438
	II	1,714
	III	1,296
	IV	1,059
	V	0,943
	VI	0,848
Rear wheel drive	Cardan drive shaft	
Transmission ratio	2,75	
Chassis		
Frame construction type	Tubular steel frame,load-bearing power unit	
Suspension, front	BMW Telelever	
Suspension, rear	BMW EVO Paralever	
Spring travel, front/rear	mm	120/136
Wheel castor	mm	116
Wheelbase	mm	1485
Steering head angle	°	63,6
Brakes	front	Hydraulically actuated double disc brake, Ø 320 mm
	rear	Hydraulically actuated single disc brake, Ø 275 mm
	BMW Motorrad Integral ABS as standard (partially integral)	
Wheels	Cast light alloy wheels	
	front	3,5 x 17"
	rear	5,5 x 17"
Tyres	front	120/70 ZR 17
	rear	180/55 ZR 17
Dimensions and weights		
Total length	mm	2 222
Total width with mirrors	mm	983
Seat height (without rider)	mm	805 /825 (optional equipment: 830/850 or 760/780)
DIN unladen weight, ready for road	kg	274
Permitted total weight	kg	495
Fuel tank capacity	l	25
Performance figures		
Fuel consumption		
90 km/h	l/100 km	3,9
120 km/h	l/100 km	5,3
Acceleration		
0–100 km/h	s	3,8
Max. speed	km/h	>200

Specifications.

BMW K 1300 S.

BMW K 1300 S		
Engine		
Capacity	cc	1 293
Bore/stroke	mm	80/64,3
Output	kW/bhp	129/175
at engine Speed	rpm	9 250
Torque	Nm	140
at engine Speed	rpm	8 250
Type	Water cooled straight 4-cylinder engine	
Compression/fuel	13,0:1/premium plus unleaded, (98 RON); automatic knock control also allowing the use of premium unleaded down to 95 RON	
Valve actuation	DOHC (double overhead camshaft), rocker arms	
Valves per cylinder	4	
Ø intake/outlet	mm	32/27,5
Throttle valve diameter	mm	46
Carburation	Electronic fuel injection, digital motor electronics with integrated knock control, BMS-K	
Emission control	Fully controlled three-way catalytic converter	
Electrical System		
Alternator	W	580
Battery	V/Ah	12/14, maintenance-free
Headlight	High-/low beam: Halogen 12V/55W	
Rear light	Brake-/rear light: LED	
Starter	kW	0,7
Power transmission - gearbox		
Clutch	Multidisc clutch in oil bath, hydraulically actuated	
Gearbox	Claw-shifted six-speed gearbox	
Primary ratio	1,559	
Gear transmission ratio	I	2,398
	II	1,871
	III	1,525
	IV	1,296
	V	1,143
	VI	1,015
Rear wheel drive	Cardan drive shaft	
Transmission ratio	2,82	
Chassis		
Frame construction type	Aluminium bridge frame, load bearing power unit	
Suspension, front	BMW Motorrad Duolever, central spring strut	
Suspension, rear	Cast aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever system, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable	
Spring travel, front/rear	mm	115/135
Wheel castor	mm	104,4
Wheelbase	mm	1 585
Steering head angle	°	60,4
Brakes	front	Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper
	rear	Hydraulically actuated single-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS as standard (partially integral)
Wheels	Cast aluminium 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	2 182
Total width with mirrors	mm	905
Seat height (without rider)	mm	820 (optional equipment: 790)
DIN unladen weight, ready for road	kg	254
Permitted total weight	kg	460
Fuel tank capacity	l	19
Performance figures		
Fuel consumption		
90 km/h	l/100 km	4,7
120 km/h	l/100 km	5,3
Acceleration		
0-100 km/h	s	2,8
0-1000 m	s	19,2
Max. speed	km/h	>200

Specifications. BMW K 1300 R.

BMW K 1300 R		
Engine		
Capacity	cc	1 293
Bore/stroke	mm	80/64,3
Output	kW/bhp	112/173
at engine Speed	rpm	9 250
Torque	Nm	140
at engine Speed	rpm	8 250
Type	Water cooled straight 4-cylinder engine	
Compression/fuel	13,0:1/premium plus unleaded, (98 RON); automatic knock control also allowing the use of premium unleaded down to 95 RON	
Valve actuation	DOHC (double overhead camshaft), rocker arms	
Valves per cylinder	4	
Ø intake/outlet	mm	32/27,5
Throttle valve diameter	mm	46
Carburation	Electronic fuel injection, digital motor electronics with integrated knock control, BMS-K	
Emission control	Fully controlled three-way catalytic converter	
Electrical System		
Alternator	W	580
Battery	V/Ah	12/14, maintenance-free
Headlight	High-/low beam: 12V/55W Halogen	
Rear light	Brake-/rear light: LED	
Starter	kW	0,7
Power transmission - gearbox		
Clutch	Multidisc clutch in oil bath, hydraulically actuated	
Gearbox	Claw-shifted six-speed gearbox	
Primary ratio	1,559	
Gear transmission ratio	I	2,398
	II	1,871
	III	1,525
	IV	1,296
	V	1,143
	VI	1,015
Rear wheel drive	Cardan drive shaft	
Transmission ratio	2,91	
Chassis		
Frame construction type	Aluminium bridge frame, load bearing power unit	
Suspension, front	BMW Motorrad Duolever, central spring strut	
Suspension, rear	Cast aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever system, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable	
Spring travel, front/rear	mm	115/135
Wheel castor	mm	104,4
Wheelbase	mm	1 585
Steering head angle	°	60,4
Brakes	front	Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper
	rear	Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper
ABS	BMW Motorrad Integral ABS as standard (partially integral)	
Wheels	Cast aluminium wheels	
	front	3,50 x 17"
	rear	5,50 x 17"
Tyres	front	120/70 ZR 17
	rear	180/55 ZR 17
Dimensions and weights		
Total length	mm	2 228
Total width with mirrors	mm	856
Seat height (without rider)	mm	820 (optional equipment: 790)
DIN unladen weight, ready for road	kg	243
Permitted total weight	kg	460
Fuel tank capacity	l	19
Performance figures		
Fuel consumption		
90 km/h	l/100 km	5,0
120 km/h	l/100 km	5,8
Acceleration		
0–100 km/h	s	2,9
0–1000 m	s	19,5
Max. speed	km/h	>200

Specifications.

BMW K 1600 GT. BMW K 1600 GTL.

		BMW K 1600 GT	BMW K 1600 GTL
Engine			
Capacity	cc	1 649	
Bore/stroke	mm	72/67,5	
Output	kW/bhp	118/160,5	
at engine Speed	rpm	7 750	
Torque	Nm	175	
at engine Speed	rpm	5 250	
Type	Water cooled 6-cylinder in-line engine		
Compression/fuel	12.2:1 / premium unleaded (95 RON)		
Valve actuation	DOHC (double overhead camshaft), bucket tappets		
Valves per cylinder	4		
Ø intake/outlet	mm	29/24,8	
Throttle valve diameter	mm	52	
Carburation	Electronic fuel injection, digital motor electronics BMS-X		
Emission control	Fully controlled three-way catalytic converter		
Electrical System			
Alternator	W	580	
Battery	V/Ah	12/19, maintenance-free	
Headlight	Low beam: Xenon 12V/35W High beam: Halogen 12V/35W Parking light: light rings		
Rear light	Brake-/rear light: LED		
Starter	kW	0,7	
Power transmission - gearbox			
Clutch	Multidisc clutch in oil bath, hydraulically actuated		
Gearbox	Claw-shifted six-speed gearbox, helical-toothed		
Primary ratio	1,617		
Gear transmission ratio	I	2,230	
	II	1,641	
	III	1,319	
	IV	1,101	
	V	0,926	
	VI	0,788	
Rear wheel drive	Bevel gear		
Transmission ratio	2,75		
Chassis			
Frame construction type	Main frame: chill-cast rear frame: aluminium, extruded sections		
Suspension, front	BMW Motorrad Duolever		
Suspension, rear	BMW Motorrad Paralever		
Spring travel, front/rear	mm	115/135	
Wheel castor	mm	106,4	
Wheelbase	mm	1 618	
Steering head angle	°	62,2	
Brakes	front	Hydraulically actuated double-disc brake, Ø 320mm, radial 4-piston fixed caliper	
	rear	Hydraulically actuated single-disc brake, Ø 320mm, 2-piston fixed caliper	
ABS	BMW Motorrad Integral ABS as standard (partially integral)		
Wheels	Cast aluminium 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	2 324	2 489
Total width with/without mirrors	mm	1000/980	
Seat height (without rider)	mm	810-830 (optional equipment: 780-800)	750 (optional equipment: 780)
DIN unladen weight, ready for road	kg	319 (without panniers)	348 (incl. pannier, topcase)
Permitted total weight	kg	540	560
Fuel tank capacity	l	24	26,5
Performance figures			
Fuel consumption			
90 km/h	l/100 km	4,5	4,6
120 km/h	l/100 km	5,7	5,9
Acceleration			
0-100 km/h	s	3,2	3,4
0-1000 m	s	21,4	21,8
Max. speed	km/h	>200	>200

Specifications.

BMW S 1000 R.

BMW S 1000 R		
Engine		
Capacity	cc	999
Bore/stroke	mm	80/49,7
Output	kW/bhp	118/160
at engine Speed	rpm	11 000
Torque	Nm	112
at engine Speed	rpm	9 250
Type	Water cooled straight 4-cylinder engine	
Compression/fuel	12,0:1/min. premium unleaded (95 RON)	
Valve actuation	DOHC (double overhead camshaft) valves operated by single rocker arm beneath engine	
Valves per cylinder	4	
Ø intake/outlet	mm	33,5/27,2
Throttle valve diameter	mm	48
Carburation	BMS-X	
Emission control	Two fully controlled three-way catalytic converters	
Electrical System		
Alternator	W	350
Battery	V/Ah	14/09, maintenance-free
Headlight	W	H7
Rear light	Brake-/rear light: LED	
Starter	kW	0,8
Power transmission - gearbox		
Clutch	Multi-disc anti-hopping oil bath clutch, mechanically actuated	
Gearbox	Claw-shifted six-speed gearbox	
Primary ratio	1,652	
Gear transmission ratio	I	2,647
	II	2,091
	III	1,727
	IV	1,500
	V	1,360
	VI	1,261
Rear wheel drive	Chain	
Transmission ratio	2,647	
Chassis		
Frame construction type	Aluminium bridge frame	
Suspension, front	Upside-down fork, fixed tube Ø 46 mm	
Suspension, rear	Double swing arm with central spring strut in spring base, adjustable inbound and rebound action	
Spring travel, front/rear	mm	120/120
Wheel castor	mm	98,5
Wheelbase	mm	1 439
Steering head angle	°	65,4
Brakes	front	Hydraulically actuated double disc brake with BMW disc mount, Ø 320 mm, radial 4-piston fixed callipers
	rear	Hydraulically actuated single disc brake, Ø 220 mm, single-piston floating calliper
ABS	BMW Motorrad Race ABS as standard (partly integral, disengageable)	
Wheels	Cast aluminium 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	2 057
Total width with mirrors	mm	845
Seat height (without rider)	mm	814
DIN unladen weight, ready for road	kg	207
Permitted total weight	kg	407
Fuel tank capacity	l	17,5
Performance figures		
Fuel consumption		
90 km/h	l/100 km	5,4
120 km/h	l/100 km	5,6
Acceleration		
0-100 km/h	s	3,1
Max. speed	km/h	>200

Specifications.

BMW S 1000 RR.

BMW S 1000 RR		
Engine		
Capacity	cc	999
Bore/stroke	mm	80/49,7
Output	kW/bhp	142/193
at engine Speed	rpm	13 000
Torque	Nm	112
at engine Speed	rpm	9 750
Type	Water cooled straight 4-cylinder engine	
Compression/fuel	13:1/min. premium unleaded (95 RON)	
Valve actuation	DOHC (double overhead camshaft) valves operated by single rocker arm beneath engine	
Valves per cylinder	4	
Ø intake/outlet	mm	33,5/27,2
Throttle valve diameter	mm	48
Carburation	Electronic fuel injection, digital motor electronics BMS-KP	
Emission control	Two fully controlled three-way catalytic converters	
Electrical System		
Alternator	W	350
Battery	V/Ah	14/10 or 12, maintenance-free
Headlight	W	High-/low beam: Halogen 12V/55W
Rear light	Brake-/rear light: LED	
Starter	kW	0,8
Power transmission - gearbox		
Clutch	Multi-disc anti-hopping oil bath clutch, mechanically actuated	
Gearbox	Claw-shifted six-speed gearbox	
Primary ratio	1,652	
Gear transmission ratio	I	2,647
	II	2,091
	III	1,727
	IV	1,500
	V	1,360
	VI	1,261
Rear wheel drive	Chain	
Transmission ratio	2,647	
Chassis		
Frame construction type	Aluminium bridge frame	
Suspension, front	Upside-down fork, fixed tube Ø 46 mm	
Suspension, rear	Double swing arm with central spring strut in spring base, adjustable inbound and rebound action	
Spring travel, front/rear	mm	120/130
Wheel castor	mm	98,5
Wheelbase	mm	1 422,7
Steering head angle	°	66
Brakes	front	Hydraulically actuated double disc brake with BMW disc mount, Ø 320 mm, radial 4-piston fixed callipers
	rear	Hydraulically actuated single disc brake, Ø 220 mm, single-piston floating calliper
ABS	BMW Motorrad Race ABS as standard (partly integral, disengageable)	
Wheels	Cast aluminium 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	2 056
Total width with mirrors	mm	826
Seat height (without rider)	mm	820
Dry weight	kg	178
DIN unladen weight, ready for road	kg	206,5
Permitted total weight	kg	405
Fuel tank capacity	l	17,5
Performance figures		
Fuel consumption		
90 km/h	l/100 km	5,7
120 km/h	l/100 km	5,9
Acceleration		
0–100 km/h	s	2,9
0–1000 m	s	17,9
Max. speed	km/h	>200