# Technical specifications. BMW G 450 X.

		BMW G 450 X	BMW G 450 X
Engine			
Capacity	CC	449,5	
Bore/stroke	mm	98/59,6	
Output	kW/bhp	ECE 30/40,8	With coded plug 38/51,7
at engine Speed	rpm	7000	9 000
Torque	Nm	42,8	44
at engine Speed		6 500	7 800
	rpm		7 800
Type		Water cooled single-cylinder engine	
Compression/fuel		12:1/ premium unleaded (95 RON)	
Valve actuation		DOHC (double overhead camshaft),	
		intake: rocker arms, outlet: bucket tappets	
Valves per cylinder	mm	4	
Ø intake/outlet	mm	32/27,5	
Throttle valve diameter	mm	46	
Carburetion		Electronic manifold injection,	
Carbarction		Keihin digital engine management	
Fasianian anatasi		<u> </u>	
Emission control		Fully controlled three-way catalytic converter	
Electrical System			
Alternator	W	280	
Battery	V/Ah	12/7	
Headlight		Low-/high beam: Halogen12V/35W	
Rear light		Brake-/rear light: LED	
Starter	kW	0,45	
Otal to:	r.v.V	0,45	
Dawas transmississ			
Power transmission - gearbox		MAINTENANT TO THE PART OF THE	
Clutch		Multiple disc clutch in oil bath, primary clutch	
		sits directly on the crankshaft,	
		mechanically operated	
Gearbox		Claw-shifted five-speed gearbox	
		built into crankcase	
Primary ratio		2,618	
Gear transmission ratio		2,462	
deal transmission ratio		1,706	
		1,350	
	IV	1,043	
	V	0,88	
Rear wheel drive		Chain	
Transmission ratio		2,625	2,412
Chassis			
Frame construction type		Steel bridge frame	
Suspension, front		Marzocchi upside-down telescopic fork,	
Suspension, none		diameter on fork inner tube 45mm	
C			
Suspension, rear		Die-cut aluminium double swing arm	
Spring strut		Öhlins hydraulic strut	
Spring travel, front/rear	mm	300/320	
Wheel castor	mm	118,8	
Wheelbase	mm	1 475	
Steering head angle	0	61,8	
Brakes	front	Hydraulically actuated single disc brake,	
Dianos	HOH	Ø 260mm, double piston floating calliper	
	roor		
	rear	Hydraulically actuated single disc brake,	
NA/Is a silve		Ø 220 mm, single piston floating calliper	
Wheels		Spoked wheels	
	front	1,60 x 21"	
	rear	2,15 x 18"	
Tyres	front	90/90-21	
	rear	140/80-18	
	icui	170/00-10	
Dimonejone and wais-bt-			
Dimensions and weights		0.000	
Total length	mm	2 200	
Total width	mm	813	
Seat height (without rider)	mm	955	
Dry weight	kg	111	<u> </u>
DIN unladen weight, ready for road	kg	121	
Permitted total weight	kg	280	
	- ry		
Fuel tank capacity		ECE 8 US-Version 7	
Performance figures			
Fuel consumption			
90 km/h	l/100 km	4,5	
120 km/h	I/100 km	6,6	
Max. speed	km/h	ca. 145	
<u></u> 00000	13(1)/11	Ca. 140	

### **Technical specifications.** BMW G 650 GS.

	BMW G 650 GS
Engine	
Capacity cc	652
Bore/stroke mm	100/83
Output kW/bhp	35/48
at engine Speed rpm	6 500
Forque Nm	60
at engine Speed rpm	5 000
Гуре	Water cooled single-cylinder engine
Compression/fuel	11,5:1/ regular unleaded (91 RON
/alve actuation	DOHC (double overhead camshaft), bucket tappets
/alves per cylinder	4
7 intake/outlet mm	36/3′
Throttle valve diameter mm	4′
Carburetion	
Emission Control	Electronic manifold injection, engine management BMS-C Fully controlled three-way catalytic converte
ETHISSION CONTROL	Fully Controlled three-way Catalytic Converte
Electrical System	
Alternator W	400
Battery V/Ah	12/12
Headlight	High-/low beam: Halogen12V/55W
Rear light	Brake light: 12V/21W, rear light: 12V/5W
Starter kW	0,0
Scarco. INVV	0,8
Power transmission - gearbox	
Clutch	Multidisc oil bath clutch, mechanically actuated
Gearbox	Claw-shifted five-speed gearbox
Primary ratio	1,946
Gear transmission ratio	2,750
ll l	1,750
	1,313
 IV	1,04
V	0,875
Rear wheel drive	Chair
Transmission ratio	2,938
Transmission ratio	2,500
Chassis	
	Ctarl builder france with bulk are france with the
rame construction type	Steel bridge frame with bolt-on framework ta
Suspension, front	Telescopic forks with form stabilise
Suspension, rear	Boxed dual swing arm of steel sections
	central spring strut actuation via lever system
Spring travel, front/rear mm	170/165
Wheel castor mm	113
Wheelbase mm	1 477
Steering head angle °	61,S
	Hydraulically actuated single disc brake
Brakes front	Ø 300 mm, floating two-calliper brake
	Hydraulically actuated single disc brake
rear	Ø 240 mm, floating single-calliper brake
ABS	BMW Motorrad ABS, ON/OFF (optional equipment
Wheels	Cast aluminium wheel
front	2,50 x 19
	,
rear	3,50 x17
yres front	110/80 R19
rear	140/80 R 1
Dimensions and weights	
Fotal length mm	2 16
Total width with/without mirrors mm	920 / 886
	780 (optional equipment: 750
, , , , , , , , , , , , , , , , , , ,	
DIN unladen weight, ready for road kg	19:
Permitted total weight kg Fuel tank capacity I	380
ист санк сараситу 1	
Performance figures	
-uel consumption	
90 km/h I/100 km	3,2
120 km/h I/100 km	4,0
Acceleration	
0-100 km/h s	5,7
Max. speed km/h	1 //
Max. speed km/h	170

#### Technical specifications. BMW F 800 GS. BMW F 650 GS.

Engine		BMW F 800 GS	BMW F 650 GS
Capacity	CC	798	
Bore/stroke	mm	82/75,6	
Output	kW/bhp	63/85	52/7
at engine Speed		7 500	7 00
	rpm		
Forque	Nm	83	7
at engine Speed	rpm	5 750	4 50
Гуре		Water cooled straight two-cylinder engine	
Compression/fuel		12,0:1/ premium unleaded (95 RON)	12,0:1/ regular unleaded (91 RON
/alve actuation		DOHC (double overhead camshaft), rocker arms	
/alves per cylinder		4	
) intake/outlet	mm	32/27,5	
Throttle valve diameter	mm	46	
		Electronic manifold injection,	
Carburetion		engine management BMS-KP	
Emission control		Fully controlled three-way catalytic converter	
Electrical System			
Alternator	W	400	
Battery	V/Ah	12/14, maintenance-free	
-leadlight		High-/low beam: Halogen12V/55W	
Rear light		Brake-/rear light: LED	
Starter	kW	0,9	
	IV V	0,9	
Power transmission - gearbox	ь л.	ultidisc oil bath clutch, mechanically actuated	
	IVI		
Gearbox		Claw-shifted six-speed gearbox	
Primary ratio		1,943	
Gear transmission ratio		2,462	
	II	1,750	
	III	1,381	
	IV	1,174	
	V	1,042	
	VI	0,960	
Rear wheel drive	VI		
Transmission ratio		2,625	2,41
Chaesis			
Chassis Frame construction type		Tubular steel frame, load-bearing power unit	
Frame construction type		Tubular steel frame, load-bearing power unit Upside-down telescopic fork,	Telescopic fork, fixed tube Ø 43 mr
Frame construction type			Telescopic fork, fixed tube Ø 43 mr
Frame construction type Suspension, front		Upside-down telescopic fork, fixed tube Ø 45mm	Telescopic fork, fixed tube Ø 43 mr
Frame construction type Suspension, front		Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm,	Telescopic fork, fixed tube Ø 43 mr
Frame construction type Suspension, front Suspension, rear		Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece	
Frame construction type Guspension, front Guspension, rear Spring travel, front/rear	mm	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215	180/17
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor	mm mm	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117	180/17
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase	mm	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578	180/17 9 1 57
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase	mm mm mm	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0	180/17 9 1 57 64,
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm mm	Upside-down telescopic fork, fixed tube Ø 45mm  Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0  Hydraulically actuated double-disc brake;	180/17 9 1 57 64 Hydraulically actuated single-disc brak
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm mm °	Upside-down telescopic fork, fixed tube Ø 45mm  Double-strut swing arm, aluminium cast in one piece 230/215  117 1 578 64,0  Hydraulically actuated double-disc brake; Ø 300 mm	180/17 9 1 57 64, Hydraulically actuated single-disc brak Ø 300 m
Frame construction type  Guspension, front  Guspension, rear  Spring travel, front/rear  Wheel castor  Wheelbase  Steering head angle	mm mm o	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake;	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mr Hydraulically actuated single-disc brak
Frame construction type  Guspension, front  Guspension, rear  Spring travel, front/rear  Wheel castor  Wheelbase  Steering head angle	mm mm mm °	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm	180/17 9 1 57 64, Hydraulically actuated single-disc brak Ø 300 m Hydraulically actuated single-disc brak
Frame construction type  Guspension, front  Guspension, rear  Spring travel, front/rear  Wheel castor  Wheelbase  Steering head angle	mm mm o	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF	180/17 9 1 57 64, Hydraulically actuated single-disc brak Ø 300 m Hydraulically actuated single-disc brak
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm o	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment)	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 m Hydraulically actuated single-disc brak Ø 265 m
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm o	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mr Hydraulically actuated single-disc brake Ø 265 mr
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm o	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment)	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mm Hydraulically actuated single-disc brake Ø 265 mm
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm mm o front	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 m Hydraulically actuated single-disc brake Ø 265 m Aluminium cast whee
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes Wheels	mm mm mm o front rear	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mm Hydraulically actuated single-disc brake Ø 265 mm  Aluminium cast whee 2,50x1 3,50x1
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes Wheels	mm mm o front rear	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mr Hydraulically actuated single-disc brake Ø 265 mr  Aluminium cast whee 2,50x1 3,50x1 110/80-R19 59
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes Wheels	mm mm o front rear front	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mr Hydraulically actuated single-disc brake Ø 265 mr  Aluminium cast whee 2,50x1 3,50x1 110/80-R19 59
Frame construction type Guspension, front Guspension, rear Spring travel, front/rear Wheel castor Wheelbase Gteering head angle Grakes  Wheels  Dimensions and weights	mm mm mm o front rear front rear	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mr Hydraulically actuated single-disc brake Ø 265 mr  Aluminium cast whee 2,50x1 3,50x1 110/80-R19 59 140/80-R17 69
Frame construction type  Suspension, front  Suspension, rear  Spring travel, front/rear  Wheel castor  Wheelbase  Steering head angle  Brakes  Wheels  Fyres  Dimensions and weights  Fotal length	mm mm mm o front rear front rear mmm	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V	180/17  9 1 57 64 Hydraulically actuated single-disc brak Ø 300 m Hydraulically actuated single-disc brak Ø 265 m  Aluminium cast whee 2,50x1 3,50x1 110/80-R19 59 140/80-R17 69
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Fyres  Dimensions and weights Fotal length Fotal width with/without mirrors	mm mm o front rear front rear mm mm mm	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V	180/17 9 1 57 64, Hydraulically actuated single-disc brak Ø 300 m Hydraulically actuated single-disc brak Ø 265 m  Aluminium cast whee 2,50x1 3,50x1 110/80-R19 59 140/80-R17 69
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Fyres  Dimensions and weights Fotal length Fotal width with/without mirrors Seat height (without rider)	mm mm o front rear front rear mm mm mm mm mm mm mm mm	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mr Hydraulically actuated single-disc brake Ø 265 mr  Aluminium cast whee 2,50x1 3,50x1 110/80-R19 59 140/80-R17 69
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Fyres  Dimensions and weights Fotal length Fotal width with/without mirrors Seat height (without rider) Dry weight	mm mm o front rear front rear mm mm mm kg	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V	180/17 9 1 57 64 Hydraulically actuated single-disc brak Ø 300 m Hydraulically actuated single-disc brak Ø 265 m  Aluminium cast whee 2,50x1 3,50x1 110/80-R17 69  1 2 28 890/84 820 (optional equipment 79
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Fyres  Dimensions and weights Fotal length Fotal with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road	mm mm o front rear front rear mm mm mm mm mm mm mm mm	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mr Hydraulically actuated single-disc brake Ø 265 mr  Aluminium cast whee 2,50x1 3,50x1 110/80-R17 69 140/80-R17 69 2 28 890/84 820 (optional equipment 796
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Fyres  Dimensions and weights Fotal length Fotal with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road	mm mm o front rear front rear mm mm mm kg	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V	180/17
Frame construction type  Guspension, front  Guspension, rear  Spring travel, front/rear  Wheel castor  Wheelbase  Grakes  Wheels  Fyres  Dimensions and weights  Fotal length  Fotal width with/without mirrors  Seat height (without rider)  Dry weight  DIN unladen weight, ready for road  Permitted total weight	mm mm o front rear front rear mm mm kg kg	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V	180/17
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity	mm mm o front rear front rear mm mm kg kg	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V	180/17
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures	mm mm o front rear front rear mm mm kg kg kg I	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V  2 320 945/870 880 (optional equipment: 850) 185 207 443* 16	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mi Hydraulically actuated single-disc brake Ø 265 mr  Aluminium cast whee 2,50x1 3,50x1 110/80-R19 59 140/80-R17 69  2 28 890/84 820 (optional equipment 790 17 19 436
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption  90 km/h	mm mm o front rear front rear mm mm kg kg kg l	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V  2 320 945/870 880 (optional equipment: 850) 185 207 443* 16	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mr Hydraulically actuated single-disc brake Ø 265 mr  Aluminium cast wheel 2,50x1 3,50x1 110/80-R19 591 140/80-R17 69 l  2 28 890/84 820 (optional equipment 790 17 19 436 1
Frame construction type  Guspension, front  Guspension, rear  Spring travel, front/rear  Wheel castor  Wheelbase  Gteering head angle  Brakes  Dimensions and weights  Total length  Total length  Total width with/without mirrors  Seat height (without rider)  Dry weight  DIN unladen weight, ready for road  Permitted total weight  Fuel tank capacity  Performance figures  Fuel consumption 90 km/h  120 km/h	mm mm o front rear front rear front rear front rear l front rear front rear l front	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V  2 320 945/870 880 (optional equipment: 850) 185 207 443* 16	180/17 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mr Hydraulically actuated single-disc brake Ø 265 mr  Aluminium cast wheel 2,50x1 3,50x1 110/80-R17 69 l 140/80-R17 69 l 2 28 890/84 820 (optional equipment 79( 17 19 436 1
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h	mm mm o front rear front rear mm mm kg kg kg l	Upside-down telescopic fork, fixed tube Ø 45mm Double-strut swing arm, aluminium cast in one piece 230/215 117 1 578 64,0 Hydraulically actuated double-disc brake; Ø 300 mm Hydraulically actuated single-disc brake; Ø 265 mm BMW Motorrad ABS, ON/OFF (optional equipment) Spoked wheels with aluminium rims 2,15x21 4,25x17 90/90-21 54 V 150/70-R17 69 V  2 320 945/870 880 (optional equipment: 850) 185 207 443* 16	Telescopic fork, fixed tube Ø 43 mr  180/17/ 9 1 57 64, Hydraulically actuated single-disc brake Ø 300 mr Hydraulically actuated single-disc brak Ø 265 mr  Aluminium cast wheel 2,50x1/ 3,50x1 110/80-R19 59 H 140/80-R17 69 H  2 28 890/84 820 (optional equipment 790 17/ 19 436 11 3, 5, 4, 18

# Technical specifications. BMW F 800 R.

		BMW F 800 R
Engine		700
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
Туре	· piii	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		
Ø intake/outlet	mm	32/27,5
Throttle valve diameter	mm	46
	111111	
Carburetion		Electronic manifold injection, engine management BMS-KF
Emission control		Fully controlled three-way catalytic converted
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
בומו נכו	KVV	0,5
Power transmission - gearl	box	
Clutch		Multidisc oil bath clutch, mechanically actuated
Gearbox		Claw-shifted six-speed gearbox
		· · ·
Primary ratio		1,943
Gear transmission ratio	l	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		
Chassis Frame construction type		Aluminium bridge frome, leed beering neuror unit
Frame construction type		Aluminium bridge frame, load bearing power unit
Frame construction type Suspension, front		Telescopic fork, Ø 43 mm
Frame construction type Suspension, front		Telescopic fork, Ø 43 mm  Cast aluminium double-sided swing arm, central suspension strut, spring pre-tension by
Frame construction type Suspension, front		Telescopic fork, Ø 43 mm  Cast aluminium double-sided swing arm, central suspension strut, spring pre-tension by  means of hand wheel, hydraulically adjustable at continuously variable levels,
Frame construction type Suspension, front		Telescopic fork, Ø 43 mm  Cast aluminium double-sided swing arm, central suspension strut, spring pre-tension by  means of hand wheel, hydraulically adjustable at continuously variable levels,
Frame construction type Suspension, front Suspension, rear	mm	Telescopic fork, Ø 43 mm 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
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear	mm mm	Telescopic fork, Ø 43 mm 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 125/125
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Mheel castor	mm	Telescopic fork, Ø 43 mm 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 125/125 90,7
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase	mm mm	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514
Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65
Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm	Aluminium bridge frame, load bearing power unit Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs,
Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs,
Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm ° front	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm ° front	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment)
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm o front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed calipper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating calipper BMW Motorrad ABS (optional equipment) Aluminium cast wheels
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm ° front	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed calipper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating calipper BMW Motorrad ABS (optional equipment) Aluminium cast wheels
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS	mm mm o front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17**
Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels	mm mm o front rear front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17"
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor	mm mm o front rear  front rear front rear front	Telescopic fork, Ø 43 mm 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  125/125  90,7  1 514  65  Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment)  Aluminium cast wheels  3,50 x17"  5,50 x17"
Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels	mm mm o front rear front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65
Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels	mm mm o front rear  front rear front rear front	Telescopic fork, Ø 43 mm 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  125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment)  Aluminium cast wheels 3,50 x17" 5,50 x17"
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes ABS Wheels Tyres  Dimensions and weights	mm mm o front rear front rear front rear front rear	Telescopic fork, Ø 43 mm 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  125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed calipper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating calipper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17" 120/70 ZR 17
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length	mm mm o front rear  front rear front rear front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed calipper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating calipper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17" 120/70 ZR 17 180/55 ZR 17
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width (with mirrors)	mm mm o front rear  front rear  front rear  front rear  front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17" 120/70 ZR 17 180/55 ZR 17
Frame construction type Suspension, front Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes ABS Wheels  Fyres  Dimensions and weights Total length Total width (with mirrors) Total height	mm mm o front rear  front rear front rear front rear mm mm	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17" 120/70 ZR 17 180/55 ZR 17
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider)	mm mm o front rear  front rear  front rear  front rear  front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17" 120/70 ZR 17 180/55 ZR 17
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider)	mm mm o front rear  front rear front rear front rear mm mm	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17° 5,50 x17° 120/70 ZR 17 180/55 ZR 17 180/55 ZR 17 2 121 905 1155 800 (optional equipment: 775, 825)
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider) Dry weight	mm mm o front rear  front rear front rear front mm mm mm mm mm kg	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17* 5,50 x17* 120/70 ZR 17 180/55 ZR 17
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Mheel castor Mheelbase Steering head angle Brakes  ABS Mheels  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider) Dry weight DIN unladen weight, ready for resuspension, front Suspension to the suspe	mm mm o front rear  front rear front rear front rear front rear front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed calipper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating calipper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17* 5,50 x17* 120/70 ZR 17 180/55 ZR 17  2 121 905 800 (optional equipment: 775, 825) 177
Frame construction type Suspension, front Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider) Dry weight DIN unladen weight, ready for repermitted total weight	mm mm o front rear  front rear front rear front mm mm mm mm mm kg	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed calipper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating calipper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17* 5,50 x17* 120/70 ZR 17 180/55 ZR 17  2 121 905 11155 800 (optional equipment: 775, 825) 177
Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels	mm mm o front rear  front rear front rear front rear front rear front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed calipper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating calipper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17" 120/70 ZR 17 180/55 ZR 17  2 121 905 800 (optional equipment: 775, 825) 177
Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider) Dry weight DIN unladen weight, ready for remitted total weight Fuel tank capacity  Performance figures	mm mm o front rear  front rear front rear front rear front rear front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs Ø 320 mm, 4-piston fixed calipse Ø 320 mm, 4-piston floating calipse Hydraulically actuated single disc brake, Ø 265 mm, single piston floating calipse BMW Motorrad ABS (optional equipment Aluminium cast wheels 3,50 x17' 5,50 x17' 120/70 ZR 17 180/55 ZR 17 800 (optional equipment: 775, 825) 800 (optional equipment: 775, 825) 177
Frame construction type Suspension, front Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider) Dry weight DIN unladen weight, ready for remitted total weight Fuel tank capacity  Performance figures Fuel consumption	mm mm o front rear  front rear front rear front rear front rear front rear  front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment Aluminium cast wheels 3,50 x17' 5,50 x17' 120/70 ZR 17 180/55 ZR 17 2 121 905 800 (optional equipment: 775, 825 1155 800 (optional equipment: 775, 825 16
Frame construction type Suspension, front Suspension, front Suspension, rear Spring travel, front/rear Mheel castor Mheelbase Steering head angle Brakes  ABS Mheels  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider) Dry weight DIN unladen weight, ready for remitted total weight Fuel tank capacity  Performance figures Fuel consumption	mm mm o front rear  front rear front rear front rear front rear front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment Aluminium cast wheels 3,50 x17' 5,50 x17' 120/70 ZR 17 180/55 ZR 17 2 121 905 800 (optional equipment: 775, 825 1155 800 (optional equipment: 775, 825 16
Frame construction type Suspension, front Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider) Dry weight DIN unladen weight, ready for remitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h	mm mm o front rear  front rear front rear front rear front rear  mm mm mm kg road kg kg l	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17" 120/70 ZR 17 180/55 ZR 17  2 121 905 800 (optional equipment: 775, 825) 177 199 405
Frame construction type Suspension, front Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider) Dry weight DIN unladen weight, ready for r Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h	mm mm o front rear  front rear front rear front rear front rear front rear  front rear	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17" 120/70 ZR 17 180/55 ZR 17  2 121 905 800 (optional equipment: 775, 825) 177 199 405
Frame construction type Suspension, front Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider) Dry weight DIN unladen weight, ready for remitted total weight Fuel tank capacity Performance figures Fuel consumption Do km/h Acceleration	mm mm o front rear  front rear front rear front rear front rear  mm mm mm kg road kg kg I	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17" 120/70 ZR 17 180/55 ZR 17 2 121 905 800 (optional equipment: 775, 825) 177 199 405 3,6 4,8
Frame construction type Suspension, front Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider) Dry weight DIN unladen weight, ready for remitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h Acceleration 0-100 km/h Acceleration 0-100 km/h	mm mm o front rear  front rear  front rear  front rear  mm mm mm kg road kg kg I	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17" 120/70 ZR 17 180/55 ZR 17  2 121 905 800 (optional equipment: 775, 825) 177 199 405
Frame construction type Suspension, front Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width (with mirrors) Total height Seat height (without rider) Dry weight DIN unladen weight, ready for remitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h Acceleration	mm mm o front rear  front rear front rear front rear front rear  mm mm mm kg road kg kg I	Telescopic fork, Ø 43 mm 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 125/125 90,7 1 514 65 Hydraulically actuated double disc brake, floating brake discs, Ø 320 mm, 4-piston fixed caliper Hydraulically actuated single disc brake, Ø 265 mm, single piston floating caliper BMW Motorrad ABS (optional equipment) Aluminium cast wheels 3,50 x17" 5,50 x17" 120/70 ZR 17 180/55 ZR 17 2 121 2 121 800 (optional equipment: 775, 825) 1177 199 405

### Technical specifications. BMW F 800 ST.

		BMW F 800 ST
Engine		
Capacity	СС	798
Bore/stroke	mm	82/75,6
Output	kW/bhp	62,5/85
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		Derive (deable everified earneriary, recker arms
Ø intake/outlet	mm	32/27,5
Throttle valve diameter	mm	46
	111111	
Carburetion Emission control		Electronic manifold injection, engine management BMS-K Fully controlled three-way catalytic converter
ETHISSIOTI COTILIOI		Fully controlled three-way catalytic converte
Electrical System		
Alternator	W	400
Battery	V/Ah	12/14, maintenance-free
Headlight	V// U1	High-/low beam: Halogen 12V/55W
Rear light		Brake light 12V/21W, rear light: 12V/5W
Starter	kW	
Starter	r\vv	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		2,462
	ll .	1,750
	ii	1,381
	IV	1,174
	V	1,042
	v VI	0,960
Rear wheel drive	VI	Toothed belt drive,
Real Wileel Ulive		rootiled beit drive,
Transmission ratio		2,353
Chassis		
Frame construction type		
Suspension, front		
Suspension, front		Telescopic fork, Ø 43 mm
Suspension, front Suspension, rear	mm	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm
Suspension, front Suspension, rear Spring travel, front/rear	mm mm	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor	mm	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase		Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm ° front	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase	mm mm	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm ° front	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment)
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm o front rear	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm o front rear	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17"
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes Wheels	mm mm front rear  front rear	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17"
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm front rear  front rear front	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17"
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes Wheels	mm mm front rear  front rear	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17"
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes Wheels	mm mm front rear  front rear front	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17"
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights	mm mm o front rear  front rear  front rear  front rear	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 146,6 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17" 120/70-ZR17
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length	mm mm o front rear  front rear front rear front rear	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17" 120/70-ZR17 180/55-ZR17
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors	mm mm o front rear  front rear  front rear  front rear  front mm mm	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17" 120/70-ZR17 180/55-ZR17
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider)	mm mm o front rear  front rear  front rear  front rear mm mm	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/14C 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17' 5,5x17' 120/70-ZR17 180/55-ZR17 2 195 860/797 820 (optional equipment: 790)
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight	mm mm o front rear  front rear  front rear  front rear  front rear  front rear	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/14C 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17' 120/70-ZR17 180/55-ZR17 180/55-ZR17
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road	mm mm o front rear	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/14C 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17' 5,5x17' 120/70-ZR17 180/55-ZR17 180/55-ZR17
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight	mm mm o front rear  front rear  front rear  front rear  front rear  front rear  kg kg kg	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17" 120/70-ZR17 180/55-ZR17 2 195 880/797 820 (optional equipment: 790) 820 (optional equipment: 790) 405
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight	mm mm o front rear	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17" 120/70-ZR17 180/55-ZR17 2 195 880/797 820 (optional equipment: 790) 820 (optional equipment: 790) 405
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity	mm mm o front rear  front rear  front rear  front rear  front rear  front rear  kg kg kg	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17" 120/70-ZR17 180/55-ZR17 2 195 880/797 820 (optional equipment: 790) 820 (optional equipment: 790) 405
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures	mm mm o front rear  front rear  front rear  front rear  front rear  front rear  kg kg kg	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/14C 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17' 5,5x17' 120/70-ZR17 180/55-ZR17 180/55-ZR17
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheel base Steering head angle Brakes  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption	mm mm o front rear  front rear  front rear  front rear  front rear  front rear	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17" 120/70-ZR17 180/55-ZR17 2 195 860/797 820 (optional equipment: 790) 187 209 405
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h	mm mm o front rear  front rear  front rear  front rear  front rear  lide in the state of the sta	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 120/70-ZR17 180/55-ZR17 180/55-ZR17 2 195 860/797 820 (optional equipment: 790) 167 170 180 187 180 187 180 187 180 187 180 187
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h	mm mm o front rear  front rear  front rear  front rear  front rear  front rear	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 120/70-ZR17 180/55-ZR17 180/55-ZR17 2 195 860/797 820 (optional equipment: 790) 167 170 180 187 180 187 180 187 180 187 180 187
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h Acceleration	mm mm o front rear  front rear  front rear  mm mm mm kg kg kg kg l	Telescopic fork, Ø 43 mm Aluminium single-sided swing arm 140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 120/70-ZR17 120/70-ZR17 180/55-ZR17 820 (optional equipment: 790) 187 209 405 16
Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width with/without mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption	mm mm o front rear  front rear  front rear  front rear  front rear  lide in the state of the sta	140/140 94,6 1466 63,8 Hydraulically actuated double disc brake Ø 320 mm Hydraulically actuated Single disc brake Ø 265 mm BMW Motorrad ABS (optional equipment) Cast aluminium wheels 3,5x17" 5,5x17"

### Technical 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	
Туре	тріті	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	
Carburetion		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 Headlight		High-/low beam:Halogen 12V/55W	
Rear light		Brake-/rear light: LED	
Starter	kW	1,2	
Jtai toi	NVV	1,2	
Dower transmission			
Power transmission - gearbox		Cinale dies des clutale lecular Poul con de la	
Clutch		Single disc dry clutch, hydraulically actuated	
Gearbox		Claw-shifted six-speed gearbox	
Primary ratio		1,737	
Gear transmission ratio		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	
Transmissionratio		2,70	
Chassis			
Frame construction type		Steel tubular space frame,	
rame construction type		load bearing power unit	
C			
Suspension, front		BMW Telelever	
Suspension, rear		BMW Paralever	
Spring travel, front/rear	mm	120/140	
Wheel castor	mm	119,1	
Wheelbase	mm	1495	
Steering head angle	0	62,9	
Brakes	front	Hydraulically actuated double disc brake,	
		Ø 320 mm, radial fixed four-calliper brake	
	rear	Hydraulically actuated Single disc brake,	
	1001	Ø 265 mm, floating two-calliper brake	
		BMW Motorrad Integral ABS	
Mhaala		(partially integral, optional equipment)	المحادد علامه معني
Wheels	£	Cast light alloy wheels	wire spoke wheel
	front	3,50 x 17"	
<del>-</del>	rear	5,50 x 17",	
Tyres	front	120/70-ZR 17	
	rear	180/55-ZR 17	
Dimensions and weights			
Total length	mm	2145	
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		18	
Doufoumono - fi			
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	
Max. Speed			

#### Technical specifications. BMW R 1200 GS. BMW R 1200 GS Adventure.

Engine		BMW R 1200 GS	BMW R 1200 GS Adventure
		1 170	
Capacity	CC		
Bore/stroke	mm	101/73	
Output	kW/bhp	81/110	
at engine Speed	rpm	7 750	
Torque	Nm	120	
at engine Speed	rpm	6 000	
Type		Air cooled two-cylinder boxer engine	
Турс		12,0:1 premium unleaded 95-98 RON,	
0			
Compression/fuel		max output with 98 RON, (optional 91 RON)	
		DOHC (double overhead camshaft),	
Valve actuation		rocker arms	
Valves per cylinder		4	
Ø intake/outlet	mm	39/33	
Throttle valve diameter	mm	50	
THIOTHE VAIVE didifferen	111111	Electronic manifold injection,	
Carburation			
Carburetion		engine management BMS-K+	
Emission control		Fully controlled three-way catalytic converter	
Electrical System			
Alternator	W	720	
Battery	V/Ah	12/14, maintenance-free	
	VIAN		
Headlight		High-/low beam: 12V/55W Halogen	
Rear light		Break-/rear light: LED	
Starter	kW	1,1	
		,	
Power transmission - gearbo	nx		
. Ower dansinission - gedible	<i>-</i> ^	Single disc dry clutch, Ø 180 mm,	
Clutob		Single disc dry clutch, W 180 mm,	
Clutch		hydraulically actuated	
Gearbox		Claw-shifted six-speed gearbox	
Primary ratio		1,737	
Gear transmission ratio	1	2,375	Optional equipment: 2,600
deal transmission ratio	<u> </u>		Optional equipment, 2,000
	ll l	1,696	
	III	1,296	
	IV	1,065	
	V	0,939	
	VI	0,848	
	VI		
Rear wheel drive			
		Cardan drive shaft	
Transmission ratio		Cardan drive shaft 2,91	
Transmission ratio		2,91	
Transmission ratio  Chassis		2,91  Tubular steel frame,	
Transmission ratio  Chassis  Frame construction type		2,91  Tubular steel frame, load-bearing power unit	
Transmission ratio  Chassis  Frame construction type Suspension, front		2,91  Tubular steel frame, load-bearing power unit  BMW Telelever	
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear		2,91  Tubular steel frame, load-bearing power unit	
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear	mm	2,91  Tubular steel frame, load-bearing power unit  BMW Telelever	210/220
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear	mm	2,91  Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200	210/220 98 7
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor	mm	Z,91  Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101	88,7
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase	mm mm	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507	88,7 1 510
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor	mm	Z,91  Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101	88,7
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase	mm mm	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507	88,7 1 510
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm °	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake,	88,7 1 510
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase	mm mm	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm	88,7 1 510
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm °	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake,	88,7 1 510
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm °	Tubular steel frame, load-bearing power unit  BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm	88,7 1 510
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm °	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101  1507  64,3  Hydraulically actuated double disc brake, Ø 305 mm  Hydraulically actuated single disc brake, Ø 265 mm  BMW Motorrad Integral ABS	88,7 1 510
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm °	Tubular steel frame, load-bearing power unit  BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm	88,7 1 510
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes	mm mm °	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101  1507  64,3  Hydraulically actuated double disc brake, Ø 305 mm  Hydraulically actuated single disc brake, Ø 265 mm  BMW Motorrad Integral ABS (partially integral, optional equipment)	88,7 1 510 65,2
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes	mm mm o front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels	88,7 1 510 65,2
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes	mm mm o front rear	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101  1507  64,3  Hydraulically actuated double disc brake, Ø 305 mm  Hydraulically actuated single disc brake, Ø 265 mm  BMW Motorrad Integral ABS (partially integral, optional equipment)  Cast light alloy wheels  2,5 x 19"	88,7 1 510 65,2
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels	mm mm ° front rear	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101  1507  64,3  Hydraulically actuated double disc brake, Ø 305 mm  Hydraulically actuated single disc brake, Ø 265 mm  BMW Motorrad Integral ABS (partially integral, optional equipment)  Cast light alloy wheels  2,5 x 19"  4,0 x 17"	88,7 1 510 65,2
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes	mm mm o front rear	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101  1507  64,3  Hydraulically actuated double disc brake, Ø 305 mm  Hydraulically actuated single disc brake, Ø 265 mm  BMW Motorrad Integral ABS (partially integral, optional equipment)  Cast light alloy wheels  2,5 x 19"  4,0 x 17"  110/80 R 19	88,7 1 510 65,2
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels	mm mm ° front rear	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101  1507  64,3  Hydraulically actuated double disc brake, Ø 305 mm  Hydraulically actuated single disc brake, Ø 265 mm  BMW Motorrad Integral ABS (partially integral, optional equipment)  Cast light alloy wheels  2,5 x 19"  4,0 x 17"	88,7 1 510 65,2
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels	mm mm front rear  front rear front rear front	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101  1507  64,3  Hydraulically actuated double disc brake, Ø 305 mm  Hydraulically actuated single disc brake, Ø 265 mm  BMW Motorrad Integral ABS (partially integral, optional equipment)  Cast light alloy wheels  2,5 x 19"  4,0 x 17"  110/80 R 19	88,7 1 510 65,2
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres	mm mm front rear  front rear front rear front	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101  1507  64,3  Hydraulically actuated double disc brake, Ø 305 mm  Hydraulically actuated single disc brake, Ø 265 mm  BMW Motorrad Integral ABS (partially integral, optional equipment)  Cast light alloy wheels  2,5 x 19"  4,0 x 17"  110/80 R 19	88,7 1 510
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights	front rear front rear front rear	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101  1507  64,3  Hydraulically actuated double disc brake, Ø 305 mm  Hydraulically actuated single disc brake, Ø 265 mm  BMW Motorrad Integral ABS (partially integral, optional equipment)  Cast light alloy wheels  2,5 x 19"  4,0 x 17"  110/80 R 19  150/70 R 17	88,7 1 510 65,2 Cross spoke wheels
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length	front rear front rear front rear front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17	88,7 1 510 65,2 Cross spoke wheels
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length Total width mirrors	front rear front rear front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17	88,7 1 510 65,2 Cross spoke wheels 2 240 990
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length	front rear front rear front rear front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17	88,7 1 510 65,2 Cross spoke wheels
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length Total width mirrors Seat height (without rider)	front rear  front rear  front rear  front rear  front rear  front rear	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101  1507  64,3  Hydraulically actuated double disc brake, Ø 305 mm  Hydraulically actuated single disc brake, Ø 265 mm  BMW Motorrad Integral ABS (partially integral, optional equipment)  Cast light alloy wheels  2,5 x 19"  4,0 x 17"  110/80 R 19  150/70 R 17	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight	front rear  front rear  front rear  front rear  front rear  front rear	Tubular steel frame, load-bearing power unit  BMW Telelever  BMW Paralever  190/200  101  1507  64,3  Hydraulically actuated double disc brake, Ø 305 mm  Hydraulically actuated single disc brake, Ø 265 mm  BMW Motorrad Integral ABS (partially integral, optional equipment)  Cast light alloy wheels  2,5 x 19"  4,0 x 17"  110/80 R 19  150/70 R 17	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for red	front rear  front rear  front rear  front rear  front rear  front rear	Tubular steel frame, load-bearing power unit  BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223 256
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for re Permitted total weight	front rear  front rear  front rear  front rear  front rear  front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223 256 475
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for re Permitted total weight	front rear  front rear  front rear  front rear  front rear  front rear	Tubular steel frame, load-bearing power unit  BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223 256 475
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for re Permitted total weight	front rear  front rear  front rear  front rear  front rear  front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223 256 475
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for re Permitted total weight Fuel tank capacity	front rear  front rear  front rear  front rear  front rear  front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223 256 475
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DiN unladen weight, ready for re Permitted total weight Fuel tank capacity  Performance figures	front rear  front rear  front rear  front rear  front rear  front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223 256 475
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for re Permitted total weight Fuel tank capacity  Performance figures Fuel consumption	front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223 256 475 33
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for re Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h	front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17  2 210 940 850/870 203 229 440 20	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223 256 475 33
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for re Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h	front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223 256
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for repermitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h	front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17  2 210 940 850/870 203 229 440 20	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223 256 475 33
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for re Permitted total weight Fuel consumption 90 km/h 120 km/h Acceleration	front rear  India kg kg l	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17  2 210 9 40 850/870 203 229 440 20	88,7 1 510 65,2  Cross spoke wheels  2 240 990 890/910 223 256 475 33  4,6 6,1
Transmission ratio  Chassis  Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle  Brakes  Wheels  Tyres  Dimensions and weights Total length Total width mirrors Seat height (without rider) Dry weight DIN unladen weight, ready for re Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h	front rear	Tubular steel frame, load-bearing power unit BMW Telelever BMW Paralever 190/200 101 1507 64,3 Hydraulically actuated double disc brake, Ø 305 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad Integral ABS (partially integral, optional equipment) Cast light alloy wheels 2,5 x 19" 4,0 x 17" 110/80 R 19 150/70 R 17  2 210 940 850/870 203 229 440 20	88,7 1 510 65,2 Cross spoke wheels 2 240 990 890/910 223 256 475 33

### Technical specifications. BMW R 1200 RT.

Engine		BMW R 1200 R
Capacity	CC	117
Bore/stroke		
	mm	101/7:
Output k	(W/bhp	81/11
at engine Speed	rpm	750
Torque	Nm	12
at engine Speed	rpm	600
Гуре		Air cooled two-cylinder boxer engin
Compression/fuel		12,0:1 premium unleaded 95-98 RON, max output with 98 RO
/alve actuation		DOHC (double overhead camshaft), rocker arm
Valves per cylinder		
Ø intake/outlet	mm	39/3
Throttle valve diameter		
	mm	5
Carburetion		Electronic manifold injection, engine management BMS-K
Emission control		Fully controlled three-way catalytic converte
Electrical System		
Alternator	W	72
Battery	V/Ah	12/19, maintenance-fre
-leadlight		High-/low beam: Halogen 12V/55\
Rear light		Brake-/rear light: 12V/21\
Starter	kW	1,
D		
Power transmission - gearbox Clutch		Single disc dry clutch, Ø 180 mm, hydraulically actuate
Gearbox		Claw-shifted six-speed gearbo
Primary ratio		1,73
Gear transmission ratio		2,37
	II	1,69
	<u></u>	1,29
	IV	1,06
	V	0,93
	VI	0,84
Rear wheel drive		Cardan drive sha
Transmission ratio		2,6
Transmission ratio		Σ,0
Chassis		
Frame construction type		Tubular steel frame,load-bearing power un
Suspension, front		BMW Teleleve
Suspension, rear		BMW Paraleve
Spring travel, front/rear	mm	120/13
Wheel castor	mm	109,
Wheelbase	mm	1485,
Steering head angle	0	·
		63,
Brakes	front	Hydraulically actuated double disc brake, Ø 305 mr
	rear	Hydraulically actuated single disc brake, Ø 265 mr
		BMW Motorrad Integral ABS (partially integral, standard
Wheels		
vvrieeis		Cast light alloy whee
	front	3,5 x 17
	rear	5,0 x 17
Tyres	front	120/70 ZR 1
	rear	180/55 ZR 1
		100,00 E.V.
Dimensions and weights		
Total length	mm	223
Total width with mirrors	mm	90
O 1   b - 2 -   b 1   7   20  1   2 -   1   3	mm	Standard: 820-840 / optional: 780–80
Seat neight (Without riger)		optional lowered, 75
Seat neight (without rider)		
Seat neight (without rider)		special equipment extra-low seat, 76
Seat neight (without rider)		special equipment extra-low seat, 76
	ka	special equipment comfort seat, 78
DIN unladen weight, ready for road	kg	special equipment comfort seat, 78 259 (without pannier
DIN unladen weight, ready for road Dry weight	kg	special equipment comfort seat, 78 259 (without pannier 22
DIN unladen weight, ready for road Dry weight Permitted total weight		special equipment comfort seat, 78 259 (without pannier 22
DIN unladen weight, ready for road Dry weight Permitted total weight	kg	special equipment comfort seat, 78 259 (without pannier 22 49
DIN unladen weight, ready for road Dry weight Permitted total weight Fuel tank capacity	kg	special equipment comfort seat, 78 259 (without pannier 22 49
DIN unladen weight, ready for road Dry weight Permitted total weight Fuel tank capacity  Performance figures	kg	special equipment comfort seat, 78 259 (without pannier 22 49
DIN unladen weight, ready for road Dry weight Permitted total weight Fuel tank capacity  Performance figures Fuel consumption	kg kg I	special equipment comfort seat, 78 259 (without panniers 22 49 2
DIN unladen weight, ready for road Dry weight Permitted total weight Fuel tank capacity  Performance figures Fuel consumption Fuel km/h	kg kg I	special equipment comfort seat, 78 259 (without pannier 22 49 2
DIN unladen weight, ready for road Dry weight Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h	kg kg I	special equipment comfort seat, 78 259 (without panniers 22 49 2
DIN unladen weight, ready for road Dry weight Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h	kg kg I	special equipment comfort seat, 78 259 (without pannier) 22 49 2 44 5,
DIN unladen weight, ready for road Dry weight Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h	kg kg I	special equipment comfort seat, 78 259 (without pannier 22 49 2 49 5
	kg kg I	

## **Technical specifications.** BMW HP2 Sport.

		BMW HP2 Sport
Engine		<u>.                                      </u>
Capacity	CC	1 170
Bore/stroke	mm	101/73
Output	kW/bhp	98/133
	<del></del>	
at engine Speed	rpm	8.750
Torque	Nm	115
at engine Speed	rpm	6 000
Type		Air cooled two-cylinder boxer engine
Compression/fuel		12,5:1 / premium plus unleaded (98 RON
Valve actuation		DOHC (double overhead camshaft), rocker arms
Valves per cylinder		
Ø intake/outlet	mm	39/30
Throttle valve diameter	mm	52
	111111	
Carburetion		Electronic manifold injection, engine management BMS-K-
Emission control		Fully controlled three-way catalytic converte
Electrical System		
Alternator	W	480
Battery	V/Ah	12/12, maintenance-free
Headlight		High-/low beam: Halogen 12V/55W
		T light-now beam. Haiogen 127/339
Rear light		Brake-/rear light: LED
Starter	kW	
Power transmission - gearbox		0. 1
Clutch		Single disc dry clutch, Ø 180 mm, hydraulically actuated
Gearbox		Claw-shifted six-speed gearbo
Primary ratio		1,732
Gear transmission ratio		2,176
369 (1911)1102101119(10		
	<u>II</u>	1,629
	III	1,296
	IV	1,065
	V	0,939
	VI	0,848
Rear wheel drive		Cardan drive shaf
Transmission ratio		2,75
		, -
Chassis		
Chassis		Main frame and front frame made of steel tube
Chassis Frame construction type		
Frame construction type		rear frame and front fairing self-supporting CFK,load bearing power uni
Frame construction type Suspension, front		rear frame and front fairing self-supporting CFK,load bearing power uni
Frame construction type Suspension, front		rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve
Frame construction type Suspension, front Suspension, rear	mm	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear	mm	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/120
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor	mm	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/120
Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor	mm mm	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/120
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase	mm	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/120 86 1 483
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12C 86 1 48:
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm o front	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/120 86 1 483 66 Hydraulically actuated double disc brake, Ø 320 mm
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/120 86 1 483 66 Hydraulically actuated double disc brake, Ø 320 mm
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm o front	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12( 86 1 487 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm o front	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12( 86 1 487 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm o front rear	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/120 88 1 48 60 Hydraulically actuated double disc brake, Ø 320 mn Hydraulically actuated single disc brake, Ø 265 m BMW Motorrad ABS (optional equipment Light metal forged whee
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm o front rear	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/126 86 1 48 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whete
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels	mm mm front rear  front rear	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/126 86 1 488 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels	mm mm o front rear	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12¢ 86 1 48 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17 6,00 x 17 120/70 ZR 1
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels	mm mm front rear  front rear	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12C 86 1 48: 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17 6,00 x 17 120/70 ZR 17
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels	mm mm o front rear  front rear front rear front	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12C 86 1 48: 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17 6,00 x 17 120/70 ZR 17
Frame construction type  Suspension, front Suspension, rear  Spring travel, front/rear  Wheel castor Wheelbase Steering head angle Brakes  Wheels  Fyres  Dimensions and weights	mm mm o front rear  front rear front rear front	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12t 8t 148 6t 148 6
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights	mm mm o front rear  front rear front rear front	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/126 88 1 48 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17 6,00 x 17 120/70 ZR 1: 190/55 ZR 1:
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Fyres  Dimensions and weights Fotal length	mm mm o front rear  front rear front rear front rear	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/126 88 1 48 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17 6,00 x 17 120/70 ZR 1: 190/55 ZR 1:
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights  Total length Total width	mm mm o front rear  front rear  front rear  front rear  front mm mm	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/120 86 1 483 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17 6,00 x 17 120/70 ZR 17 190/55 ZR 17
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear  Wheel castor Wheelbase Steering head angle Brakes  Wheels  Dimensions and weights Fotal length Fotal width Lenkerbreite	mm mm o front rear  front rear front rear front mm mm	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12C 86 1 48: 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whete 3,50 x 17 6,00 x 17 120/70 ZR 17 190/55 ZR 17
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear  Wheel castor  Wheelbase Steering head angle Brakes  Fyres  Dimensions and weights Fotal length Fotal width Lenkerbreite Seat height (without rider)	mm mm o front rear  front rear  front rear  front rear  front mm mm	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12C 86 1 48: 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whete 3,50 x 17 6,00 x 17 120/70 ZR 17 190/55 ZR 17
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width Lenkerbreite Seat height (without rider)	mm mm o front rear  front rear front rear front mm mm mm mm	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12C 105/12C 8/6 148: 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged where 3,50 x 17 6,00 x 17 120/70 ZR 17 190/55 ZR 17 2 133 750 on slip pag
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total widthenkerbreite Seat height (without rider) Dry weight	mm mm o front rear  front rear  front rear  front man mm mm mm mm kg	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12¢ 88 1 48 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17 6,00 x 17 120/70 ZR 1: 190/55 ZR 1: 750 on slip pac
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Fyres  Dimensions and weights Fotal length Fotal width Lenkerbreite Seat height (without rider) Dry weight DIN unladen weight, ready for road	mm mm o front rear  front rear  front rear  front mm mm mm mm kg kg	rear frame and front fairing self-supporting CFK,load bearing power united BMW Teleleve BMW Paraleve 105/12(  80 148 60 1
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Fyres  Dimensions and weights Fotal length Fotal width Lenkerbreite Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight	mm mm o front rear  front rear  front rear  front man mm mm mm mm kg	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12/2 2015/12/2
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Fyres  Dimensions and weights Fotal length Fotal width Lenkerbreite Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight	mm mm o front rear  front rear  front rear  front mm mm mm mm kg kg	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/126 88 1 48 66 Hydraulically actuated double disc brake, Ø 320 mn Hydraulically actuated single disc brake, Ø 265 mn BMW Motorrad ABS (optional equipment Light metal forged wheet 3,50 x 17 6,00 x 17 120/70 ZR 1: 190/55 ZR 1: 2 138 750 on slip pac
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Dimensions and weights Total length Total width Lenkerbreite Seat height (without rider) Dry weight DilN unladen weight, ready for road Permitted total weight Fuel tank capacity	mm mm o front rear  front rear  front rear  front mm mm mm mm kg kg	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12 86 1 483 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17 6,00 x 17 120/70 ZR 17 190/55 ZR 17 2 135 750 on slip pac
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width Lenkerbreite Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures	mm mm o front rear  front rear  front rear  front mm mm mm mm kg kg	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12 86 1 483 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17 6,00 x 17 120/70 ZR 17 190/55 ZR 17 2 135 750 on slip pac
Frame construction type  Guspension, front Guspension, rear Spring travel, front/rear Wheel castor Wheelbase Gteering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width Lenkerbreite Geat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Acceleration	mm mm o front rear  front rear  front rear  front rear  front rear  mm mm mm mm kg kg kg kg l	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12C 86 1 487 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17' 6,00 x 17' 120/70 ZR 17 190/55 ZR 17 190/55 ZR 17 2 135 750 on slip pac 700 833 176
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width Lenkerbreite Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Acceleration	mm mm o front rear  front rear  front rear  front mm mm mm mm kg kg	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/12C 86 1 487 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17' 6,00 x 17' 120/70 ZR 17 190/55 ZR 17 190/55 ZR 17 191/55 ZR 17 191/55 ZR 17 191/55 ZR 17 191/55 ZR 17
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width Lenkerbreite Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Acceleration 0–100 km/h	mm mm o front rear  front rear  front rear  front rear  mm mm mm mm kg kg kg kg kg l	Main frame and front frame made of steel tube rear frame and front fairing self-supporting CFK,load bearing power unit BMW Telelever BMW Paralever 105/12C 105/12C 86 1487 66
Frame construction type  Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  Wheels  Tyres  Dimensions and weights Total length Total width Lenkerbreite Seat height (without rider) Dry weight DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Acceleration	mm mm o front rear  front rear  front rear  front rear  front rear  mm mm mm mm kg kg kg kg l	rear frame and front fairing self-supporting CFK,load bearing power uni BMW Teleleve BMW Paraleve 105/120 86 1 483 66 Hydraulically actuated double disc brake, Ø 320 mm Hydraulically actuated single disc brake, Ø 265 mm BMW Motorrad ABS (optional equipment Light metal forged whee 3,50 x 17 6,00 x 17 120/70 ZR 13 190/55 ZR 13 2 133 750 on slip par 700 833 176 199 333

### Technical 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	ιριιι	Water cooled straight 4-cylinder engine
Compression/fuel		13,0:1/premium plus unleaded, (98 RON);
Valve actuation		automatic knock control also allowing the use of premium unleaded down to 95 RON DOHC (double overhead camshaft), rocker arms
Valves per cylinder		4
Ø intake/outlet	mm	32/27,5
Throttle valve diameter	mm	46
Carburetion		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
	1.1.4.7	
Starter	kW	0,7
Power transmission - gearbox		Multidisc clutch in oil bath, hydraulically actuated
Clutch		
Gearbox		Claw-shifted six-speed gearbox
Primary ratio		1,559
Gear transmission ratio		2,398
	II	1,871
	III	1,525
	IV	1,296
	V	1,143
	VI	1,015
Rear wheel drive	VI	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	Ca	st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever
Suspension, real		stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound
	Зу	damping adjustable
Spring travel, front/rear	mm	115/135
Wheel castor	mm	104,4
Wheelbase	mm	1 585
Steering head angle	0	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 (partially integral, standard)
Wheels		Cast aluminium wheels
V V I I I I I I I I I I I I I I I I I I		
	f-a	
	front	3,50 x 17"
	rear	3,50 x 17" 6,00 x 17"
Tyres		3,50 x 17" 6,00 x 17" 120/70 ZR 17
Tyres	rear	3,50 x 17" 6,00 x 17"
Tyres	rear front	3,50 x 17" 6,00 x 17" 120/70 ZR 17
	rear front	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17
Dimensions and weights	rear front rear	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17
Dimensions and weights Total length	rear front rear mm	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17
Dimensions and weights Total length Total width with mirrors	rear front rear mm mm	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17
Dimensions and weights Total length Total width with mirrors Seat height (without rider)	rear front rear mm mm mm	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790)
Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road	rear front rear mm mm mm kg	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790) 254
Dimensions and weights Total length	rear front rear mm mm mm	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790) 254 460
Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity	rear front rear  mm mm mm kg kg	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790) 254 460
Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures	rear front rear  mm mm mm kg kg	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790) 254 460
Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption	rear front rear  mm mm mm kg kg	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790) 254 460
Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h	rear front rear  mm mm kg kg l	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790) 254 460 19
Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h	rear front rear  mm mm mm kg kg	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790) 254 460 19
Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h	rear front rear  mm mm kg kg l	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790) 254 460 19
Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h	rear front rear  mm mm kg kg l	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790) 254 460 19
Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h Acceleration	rear front rear  mm mm kg kg l	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790) 254 460 19  4,7 5,3
Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h Acceleration 0–100 km/h	rear front rear  mm mm kg kg l	3,50 x 17" 6,00 x 17" 120/70 ZR 17 190/55 ZR 17  2 182 905 820 (optional equipment: 790) 254 460 19

### Technical 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	
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
Carburetion		Electronic fuel injection, digital motor electronics with integrated knock control ,BMS-K
Emission control		Fully controlled three-way catalytic converter
Electrical System		
Electrical System	147	500
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		2,398
deal transmission ratio		
	<u>  </u>	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 Suspension, front		Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever,
Chassis Frame construction type		Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound
Chassis Frame construction type Suspension, front Suspension, rear	Sy:	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear	sy:	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor	mm mm	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase	mm mm mm	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm mm	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase	mm mm mm	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs,
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm mm °	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes	mm mm mm	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS	mm mm mm °	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment)
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS	mm mm mm o front	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS	mm mm o front	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17"
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS	mm mm mm o front	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17"
Chassis Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels	mm mm o front	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17"
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle	mm mm o front rear	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17"
Chassis Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres	mm mm o front rear front	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17" 120/70 ZR 17
Chassis Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights	mm mm mm o front rear front rear	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17" 120/70 ZR 17
Chassis Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length	mm mm o front rear front	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 120/70 ZR 17 180/55 ZR 17
Chassis Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length	mm mm mm o front rear front rear	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17" 120/70 ZR 17
Chassis Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width with mirrors	mm mm mm o front rear front rear front rear mm mm mm	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17" 120/70 ZR 17 180/55 ZR 17
Chassis Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width with mirrors Seat height (without rider)	front rear front rear mm	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17" 120/70 ZR 17 180/55 ZR 17
Chassis Frame construction type Suspension, front Suspension, rear Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road	front rear front rear mm mm mm mm kg	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17" 120/70 ZR 17 180/55 ZR 17
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Chassis Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights	front rear front rear mm mm mm mm kg	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17" 120/70 ZR 17 180/55 ZR 17
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Chassis Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h	mm	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17" 120/70 ZR 17 180/55 ZR 17  2 228 856 820 (optional equipment: 790) 243 460 19
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Chassis Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheel castor Wheelbase Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h Acceleration 0–100 km/h Acceleration 0–100 km/h	mm mm front rear front rear mm mm mm mm mm kg kg I I II I	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1 585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17" 120/70 ZR 17 180/55 ZR 17 2 228 820 (optional equipment: 790) 243 460 19
Chassis Frame construction type Suspension, front Suspension, rear  Spring travel, front/rear Wheel castor Wheel base Steering head angle Brakes  ABS Wheels  Tyres  Dimensions and weights Total length Total width with mirrors Seat height (without rider) DIN unladen weight, ready for road Permitted total weight Fuel tank capacity  Performance figures Fuel consumption 90 km/h 120 km/h Acceleration	mm mm mm mm mm mm mm mm kg kg l l	Aluminium bridge frame, load bearing power unit BMW Motorrad Duolever, central spring strut st aluminium single swing arm with BMW Motorrad Paralever; central spring strut with lever stem, spring pre-tension adjustable infinitely by hand wheel in a hydraulic process, rebound damping adjustable 115/135 104,4 1585 60,4 Hydraulically actuated double-disc brake, floating brake discs, Ø 320 mm, four-piston fixed calliper Hydraulically actuated ingle-disc brake, Ø 265 mm, double-piston floating calliper BMW Motorrad Integral ABS (partially integral, optional equipment) Cast aluminium wheels 3,50 x 17" 5,50 x 17" 120/70 ZR 17 180/55 ZR 17 180/55 ZR 17 5,50 440 5,0 5,0 5,0 5,0 5,0

#### Technical 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	
Carburetion		Electronic fuel injection,	
		digital motor electronics BMS-X	
Emission control	ŀ	-ully controlled three-way catalytic converter	
Electrical System			
Alternator	W	580	
Battery	V/Ah	12/19, maintenance-free	
Headlight		Low beam: Xenon 12V/35W	
<u> </u>		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,	
Godibox		helical-toothed	
Primary ratio		1,617	
Gear transmission ratio		2,230	
addi tidiloriiloolori fatio	i	1,641	
	iii	1,319	
	IV	1,101	
	V	0,926	
	V VI	0,788	
Dear wheel drive	VI		
Rear wheel drive Transmission ratio		Bevel gear 2,75	
Transmission ratio		2,73	
Chassis			
Chassis		Main framay shill post	
Frame construction type		Main frame: chill-cast	
Conservation from		rear frame: aluminium, extruded sections BMW Motorrad Duolever	
Suspension, front			
Suspension, rear		BMW Motorrad Paralever	
Spring travel, front/rear	mm	115/135	
Wheel castor	mm	106,4	
Wheelbase	mm	1 618	
Steering head angle	0	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	
		(partially integral, standard)	
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 (SA:780-800, SZ: 750, 780)	750 (optional equipment: 780,
÷ ,		. , , , , , , , , , , , , , , , , , , ,	special equipment: 780/800, 810/830)
DIN unladen weight, ready for road	kg	319 (without panniers)	348 (incl. pannier, topcase)
Permitted total weight	kg	540	560
Fuel tank capacity		24	26,5
			20,0
Performance figures			
Fuel consumption			
90 km/h	l/100 km	4,5	4,6
120 km/h	1/100 km	5,7	5,9
I LU NIIIII	II TOO KIII	5,7	5,9
Accoloration			
	-	0.0	^ 4
Acceleration 0–100 km/h	S	3,2	3,4
	s s km/h	3,2 21,4 >200	3,4 21,8 >200

## Technical 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
Туре		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		DOFFO (double overhead carrishart) valves operated by single focker affir beneath engine
		20.5/07.0
Ø intake/outlet	mm	33,5/27,2
Throttle valve diameter	mm	48
Carburetion		Electronic fuel injection, digital motor electronics BMS-KP
Emission control		Fully controlled three-way catalytic converter
Electrical System		
Alternator	W	434
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
Dower transmission - goarbox		
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		2,647
	ll ll	2,091
	III	1,727
	IV	1,500
	V	1,360
	VI	1,261
Rear wheel drive		Chair
Transmission ratio		2,588
Transmission ratio		2,000
Chassis		
Frame construction type		Aluminium bridge frame
Suspension, front		USD 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	95,9
Wheelbase	mm	1 432
Steering head angle	0	66,1
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
· <del>· = ·</del>		(partly integral, optional equipment)
Wheels		Cast aluminium wheels
***************************************	front	3,50 x 17"
		3,30 x 17 6,00 x 17
Turan	rear	5,00 X 17
Tyres	front	
	rear	190/55 ZR 17
Dimensions and weights		
Total length	mm	2 056
Total width with mirrors		826
	mm	
Seat height (without rider)	mm	820
DIN unladen weight, ready for road	kg	204 (206,5 with Race ABS)
Permitted total weight	kg	390
Fuel tank capacity		17,5
Danfarra e fin		
Performance figures		
Fuel consumption	1/1001	
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	
Max. speed	km/h	>200
		7200