

BMW

U.S. Media Information

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Technical Data.

2013 BMW 6 Series GranCoupe.

06.04.2012	640i		650i		650i xDrive	
	Gran Coupe	Auto 8 Speed	Gran Coupe	Auto 8 Speed	Gran Coupe	Auto 8 Speed
Body	Preliminary		Preliminary		Preliminary	
No. of Doors / Seating Capacity	-		4 / 5		4 / 5	
Vehicle Length	mm / inch	5009/ 197.2	5009/ 197.2	5009/ 197.2	5009/ 197.2	5009/ 197.2
Vehicle Width	mm / inch	1894 / 74.6	1894 / 74.6	1894 / 74.6	1894 / 74.6	1894 / 74.6
Vehicle Height, Unloaded	mm / inch	1392 / 54.8	1392 / 54.8	1392 / 54.8	1392 / 54.8	1392 / 54.8
Wheelbase	mm / inch	2968 / 116.9	2968 / 116.9	2968 / 116.9	2968 / 116.9	2968 / 116.9
Turning Circle	m / ft	11.95 / 39.2	11.95 / 39.2	11.95 / 39.2	11.95 / 39.2	11.95 / 39.2
Track, Front	mm / inch	1600 / 63.0	1606 / 63.2	1606 / 63.2	1606 / 63.2	1606 / 63.2
Track, Rear	mm / inch	1665 / 65.6	1671 / 65.8	1671 / 65.8	1671 / 65.8	1671 / 65.8
Ground Clearance	mm / inch	126 / 5.00	126 / 5.00	126 / 5.00	126 / 5.00	126 / 5.00
Width at Shoulderheight, Front	mm / inch	1440 / 56.7	1440 / 56.7	1440 / 56.7	1440 / 56.7	1440 / 56.7
Width at Shoulderheight, Rear	mm / inch	1387 / 54.6	1387 / 54.6	1387 / 54.6	1387 / 54.6	1387 / 54.6
Effective Leg Room, Front	mm / inch	1069 / 42.1	1069 / 42.1	1069 / 42.1	1069 / 42.1	1069 / 42.1
Effective Leg Room, Rear	mm / inch	896 / 35.3	896 / 35.3	896 / 35.3	896 / 35.3	896 / 35.3
Effective Head Room, Front	mm / inch	1030 / 40.6	1030 / 40.6	1030 / 40.6	1030 / 40.6	1030 / 40.6
Effective Head Room, Rear	mm / inch	941 / 37.0	941 / 37.0	941 / 37.0	941 / 37.0	941 / 37.0
Trunk Volume acc SAE1100	ft³	13	13	13	13	13
Fuel Capacity	L / gal	70 / 18.5	70 / 18.5	70 / 18.5	70 / 18.5	70 / 18.5
Curb Weight	kg / lbs	1901 / 4190	2009 / 4430	2089 / 4605	2089 / 4605	2089 / 4605
Weight Distribution, Front / Rear	%	50.2 / 49.8	51.5 / 48.5	51.5 / 46.9	51.5 / 46.9	51.5 / 46.9
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2361 / 5205	2474 / 5455	2549 / 5620	2549 / 5620	2549 / 5620
Payload	kg / lbs	411 / 905	411 / 905	411 / 905	411 / 905	411 / 905
Axle Load Limit, front	kg / lbs	1129 / 2490	1209 / 2665	1270 / 2800	1270 / 2800	1270 / 2800
Axle Load Limit, rear	kg / lbs	1295 / 2855	1320 / 2910	1324 / 2920	1324 / 2920	1324 / 2920
Towing Capacity	kg / lbs	- / -	- / -	- / -	- / -	- / -
Roof Load Limit	kg / lbs	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165
Drag Coefficient	Cd	0.29	0.29	0.31	0.31	0.31
Engine	N55HP (N55B3000)		N63B4401		N63B4401	
Engine Type / Cylinder / Valves per Cylinder	-	Inline / 6 / 4 VANOS VALVETRONIC	V 90° / 8 / 4 VANOS VALVETRONIC	V 90° / 8 / 4 VANOS VALVETRONIC	V 90° / 8 / 4 VANOS VALVETRONIC	V 90° / 8 / 4 VANOS VALVETRONIC
Engine Management System	-	MEVD17.2.6 Direct Injection 2	MEVD17.2.8 Direct Injection 2	MEVD17.2.8 Direct Injection 2	MEVD17.2.8 Direct Injection 2	MEVD17.2.8 Direct Injection 2
Induction System	-	single twin scroll turbo	twin turbo reverse flow "hot V"	twin turbo reverse flow "hot V"	twin turbo reverse flow "hot V"	twin turbo reverse flow "hot V"
Boost Pressure	Bar	0.8	tba	tba	tba	tba
Displacement	cm³ / inch³	2979 / 181.8	4395 / 268.2	4395 / 268.2	4395 / 268.2	4395 / 268.2
Stroke	mm / inch	89.6 / 3.53	88.3 / 3.48	88.3 / 3.48	88.3 / 3.48	88.3 / 3.48
Bore	mm / inch	84 / 3.31	89 / 3.50	89 / 3.50	89 / 3.50	89 / 3.50
Power	SAE hp / rpm	315 / 5800-600	445 / 5500-6400	445 / 5500-6400	445 / 5500-6400	445 / 5500-6400
Torque	ft lbs / rpm	330 / 1400-4500	480 / 2000-4500	480 / 2000-4500	480 / 2000-4500	480 / 2000-4500
Compression Ratio / Fuel type	-	10.2 / Premium	10.0 / Premium	10.0 / Premium	10.0 / Premium	10.0 / Premium
Chassis and Suspension	8HP45		8HP70		8HP70	
Codification of Reference Gearbox	-	8HP45	8HP70	8HP70	8HP70	8HP70
Gear Ratios I	-	4.714	4.714	4.714	4.714	4.714
II	-	3.143	3.143	3.143	3.143	3.143
III	-	2.106	2.106	2.106	2.106	2.106
IV	-	1.667	1.667	1.667	1.667	1.667
V	-	1.285	1.285	1.285	1.285	1.285
VI	-	1.000	1.000	1.000	1.000	1.000
VII	-	0.839	0.839	0.839	0.839	0.839
VIII	-	0.667	0.667	0.667	0.667	0.667
Reverse Ratio	-	3.295	3.317	3.317	3.317	3.317
Final Drive Ratio	-	3.231	2.813	2.813	2.813	2.813
Steering Type / Ratio	-	Rack-and-pinion (EPS) / 17.2	Rack-and-pinion (EPS) / 17.2	Rack-and-pinion (hydraulic) / 18	Rack-and-pinion (hydraulic) / 18	Rack-and-pinion (hydraulic) / 18
Front Brakes / Diameter	- / mm / inch	Vented	Vented 348 / 13.7	Vented 348 / 13.7	Vented 348 / 13.7	Vented 348 / 13.7
Rear Brakes / Diameter	- / mm / inch	Vented	Vented 345 / 13.6	Vented 345 / 13.6	Vented 345 / 13.6	Vented 345 / 13.6
Tire Type, Front	-	245/45 R18 100V RSC AS	245/40 R19 98V RSC AS	245/40 R19 98V RSC AS	245/40 R19 98V RSC AS	245/40 R19 98V RSC AS
Tire Type, Rear	-	245/45 R18 100V RSC AS	245/40 R19 98V RSC AS	245/40 R19 98V RSC AS	245/40 R19 98V RSC AS	245/40 R19 98V RSC AS
Tire Type, Front w. Sport Package (top)	-	245/35 R20 Y RSC	245/35 R20 Y RSC	245/35 R20 Y RSC	245/35 R20 Y RSC	245/35 R20 Y RSC
Tire Type, Rear w. Sport Package (top)	-	275/30 R20 Y RSC	275/30 R20 Y RSC	275/30 R20 Y RSC	275/30 R20 Y RSC	275/30 R20 Y RSC
Wheels, Front	-	8.0J x 18 Light alloy	8.5J x 19 Light alloy	8.5J x 19 Light alloy	8.5J x 19 Light alloy	8.5J x 19 Light alloy
Wheels, Rear	-	8.0J x 18 Light alloy	8.5J x 19 Light alloy	8.5J x 19 Light alloy	8.5J x 19 Light alloy	8.5J x 19 Light alloy
Wheels, Front w. Sport Package (top)	-	8.5J x 20 Light alloy	8.5J x 20 Light alloy	8.5J x 20 Light alloy	8.5J x 20 Light alloy	8.5J x 20 Light alloy
Wheels, Rear w. Sport Package (top)	-	9.0J x 20 Light alloy	9.0J x 20 Light alloy	9.0J x 20 Light alloy	9.0J x 20 Light alloy	9.0J x 20 Light alloy
Performance	210 / 130		210 / 130		210 / 130	
Top Speed	km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130
Top Speed w. Sport Package	km/h / mph	250 / 155	250 / 155	250 / 155	250 / 155	250 / 155
Acceleration, 0-60 mph	s	5.4	4.5	4.3	4.3	4.3
Acceleration, 0-100 Km/h	s	5.6	4.7	4.5	4.5	4.5
Fuel Economy, EPA Estimate - City	mpg	20 EST	tba	tba	tba	tba
Fuel Economy, EPA Estimate - Highway	mpg	30 EST	tba	tba	tba	tba
Fuel Economy, EPA Estimate - Combined	mpg	24 EST	tba	tba	tba	tba
Approximate Range	km / miles	705 / 440	tba	tba	tba	tba