

BMW

U.S. Media Information

Contacts:

Matthew Russell
Product & Technology Communications Manager
201-307-3783 / matthew.russell@bmwna.com

David J. Buchko
Advanced Powertrain Communications
201-307-3709 / dave.buchko@bmwna.com

Monty Roberts
Product & Technology Communications
201-307-3709 / monty.roberts@bmwna.com

Technical Data.

2013 BMW ALPINA B7 Sedan.

		B7	B7	B7	B7
		Standard Wheelbase	SWB xDrive	Long Wheelbase	LWB xDrive
		Auto 8 Speed	Auto 8 Speed	Auto 8 Speed	Auto 8 Speed
06.04.2012					
Body					
No. of Doors / Seating Capacity	-	4 / 5	4 / 5	4 / 5	4 / 5
Vehicle Length	inch	200.5	200.5	206.0	206.0
Vehicle Width	inch	74.9	74.9	74.9	74.9
Vehicle Height, Unloaded	inch	58.4	58.7	58.4	58.4
Wheelbase	inch	120.9	120.9	126.4	126.4
Turning Circle	m / ft	12.2 / 40	12.2 / 40	11.95 / 39.2	11.95 / 39.2
Track, Front	inch	63.8	63.8	63.8	63.8
Track, Rear	mm / inch	64.1	64.1	64.1	64.1
Ground Clearance	mm / inch	tba	tba	tba	tba
Width at Shoulderheight, Front	mm / inch	1503 / 59.2	1503 / 59.2	1503 / 59.2	1503 / 59.2
Width at Shoulderheight, Rear	mm / inch	1458 / 57.4	1458 / 57.4	1458 / 57.4	1458 / 57.4
Effective Leg Room, Front	mm / inch	1048 / 41.3	1048 / 41.3	1048 / 41.3	1048 / 41.3
Effective Leg Room, Rear	mm / inch	987 / 38.9	987 / 38.9	1124 / 44.3	1124 / 44.3
Effective Head Room, Front	mm / inch	1032 / 40.6	1032 / 40.6	1036 / 40.8	1036 / 40.8
Effective Head Room, Rear	mm / inch	978 / 38.5	978 / 38.5	988 / 38.9	988 / 38.9
Trunk Volume acc SAE1100	ft³	0.50 / 17.7	0.50 / 17.7	0.50 / 17.7	0.50 / 17.7
Fuel Capacity	L / gal	80 / 21.1	80 / 21.1	80 / 21.1	80 / 21.1
Curb Weight	lbs	4655	4860	4810	5050
Weight Distribution, Front / Rear	%	tba	tba	tba	tba
Gross Vehicle Weight Rating (GVWR)	lbs	5865	6065	5930	6130
Payload	lbs	1210	1205	1120	1080
Axle Load Limit, front	lbs	2800	2910	2825	2935
Axle Load Limit, rear	lbs	3140	3200	3175	3240
Towing Capacity	kg / lbs	- / -	- / -	- / -	- / -
Roof Load Limit	kg / lbs	- / -	- / -	- / -	- / -
Drag Coefficient	Cd	tba	tba	tba	tba
Engine					
		N63B44O1 ALPINA	N63B44O1 ALPINA	N63B44O1 ALPINA	N63B44O1 ALPINA
Engine Type / Cylinder / Valves per Cylinder	-	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	-	MEVD17.2.8 Direct Injection 2	MEVD17.2.8 Direct Injection 2	MEVD17.2.8 Direct Injection 2	MEVD17.2.8 Direct Injection 2
Induction System	-	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	tba	tba	tba	tba
Displacement	cm³ / inch³	4395 / 268	4395 / 268	4395 / 268.2	4395 / 268.2
Stroke	mm / inch	88.3 / 3.5	88.3 / 3.5	88.3 / 3.5	88.3 / 3.5
Bore	mm / inch	89 / 3.5	89 / 3.5	89 / 3.5	89 / 3.5
Power	SAE hp / rpm	540 / 5200-6250	540 / 5200-6250	540 / 5200-6250	540 / 5200-6250
Torque	ft lbs / rpm	538 / 2800-5000	538 / 2800-5000	538 / 2800-5000	538 / 2800-5000
Compression Ratio / Fuel type	-	10.0 / Premium	10.0 / Premium	10.0 / Premium	10.0 / Premium
Chassis and Suspension					
Codification of Reference Gearbox	-	8HP70 ALPINA	8HP70 ALPINA	8HP70 ALPINA	8HP70 ALPINA
Gear Ratios I	-	4.71	4.71	4.71	4.71
II	-	3.14	3.14	3.14	3.14
III	-	2.11	2.11	2.11	2.11
IV	-	1.67	1.67	1.67	1.67
V	-	1.29	1.29	1.29	1.29
VI	-	1	1	1	1
VII	-	0.84	0.84	0.84	0.84
VIII	-	0.67	0.67	0.67	0.67
Reverse Ratio	-	3.317	3.317	3.317	3.317
Final Drive Ratio	-	2.813	2.813	2.813	2.813
Steering Type	-	rack-and-pinion (EPS)	Rack-and-pinion (hydraulic)	rack-and-pinion (EPS)	Rack-and-pinion (hydraulic)
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 374 / 14.7	Vent. Disc / 374 / 14.7	Vent. Disc / 374 / 14.7	Vent. Disc / 374 / 14.7
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 370 / 14.6	Vent. Disc / 370 / 14.6	Vent. Disc / 370 / 14.6	Vent. Disc / 370 / 14.6
Tire Type, Front	-	245/35 R21	245/35 R21	245/35 R21	245/35 R21
Tire Type, Rear	-	285/30 R21	285/30 R21	285/30 R21	285/30 R21
Wheels, Front	-	8J x 18 LM	8J x 18 LM	8.5J x 19 Light alloy	8.5J x 19 Light alloy
Wheels, Rear	-	8J x 18 LM	8J x 18 LM	8.5J x 19 Light alloy	8.5J x 19 Light alloy
Wheels, Front w. Sport Package (top)	-	8.5J x 21 Light alloy	8.5J x 21 Light alloy	8.5J x 21 Light alloy	8.5J x 21 Light alloy
Wheels, Rear w. Sport Package (top)	-	10J x 21 Light alloy	10J x 21 Light alloy	10J x 21 Light alloy	10J x 21 Light alloy
Performance					
Top Speed	mph	194	193	194	193
Acceleration, 0-60 mph	s	4.4	4.3	4.5	4.4
Fuel Economy, EPA Estimate - City	mpg	16 EST	16 EST	16 EST	16 EST
Fuel Economy, EPA Estimate - Highway	mpg	24 EST	24 EST	24 EST	24 EST
Fuel Economy, EPA Estimate - Combined	mpg	19 EST	19 EST	19 EST	19 EST
Approximate Range	miles	390	390	390	390