

BMW

U.S. Press Information

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Technical Data.

2010 BMW 5 Series Gran Turismo.

550i Gran Turismo Auto 8 Speed

Body		
No. of Doors / Seating Capacity	-	4 / 5
Vehicle Length	mm / inch	4999 / 196.8
Vehicle Width	mm / inch	1901 / 74.8
Vehicle Height, Unloaded	mm / inch	1559 / 61.4
Wheelbase	mm / inch	3070 / 120.7
Turning Circle	m / ft	12.2 / 40.0
Track, Front	mm / inch	1611 / 63.4
Track, Rear	mm / inch	1654 / 65.1
Width at Shoulderheight, Front	mm / inch	1506 / 59.3
Width at Shoulderheight, Rear	mm / inch	1466 / 57.7
Effective Leg Room, Front	mm / inch	1030 / 40.6
Effective Leg Room, Rear	mm / inch	1062 / 41.8
Effective Head Room, Front	mm / inch	1051 / 41.4
Effective Head Room, Rear	mm / inch	991 / 39.0
Trunk Volume acc SAE1100	ft³	15.5/20.8/63.6
Fuel Capacity	L / gal	70 / 18.5
Curb Weight	kg / lbs	2240 / 4938
Weight Distribution Front/Rear	%	49.8/50.2
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2710 / 5975
Payload	kg / lbs	460 / 1014
Axle Load Limit, front	kg / lbs	1280 / 2822
Axle Load Limit, rear	kg / lbs	1490 / 3285
Roof Load Limit	kg / lbs	75 / 165
Drag Coefficient	Cd	0.32
Drag Cd x A	m² / ft²	0.82 / 8.8
Engine		
Engine Type / Cylinder / Valves per Cylinder	-	V 90°/ 8 / 4
Engine Management System	-	MSD 85.1 Direct Injection
Displacement	cm³ / inch³	4395 / 268.2
Stroke	mm / inch	88.3 / 3.48
Bore	mm / inch	89 / 3.50
Power	SAE hp / rpm	400 / 5500-6400
Torque	ft lbs / rpm	450 (610) / 1750-4500
Compression Ratio / Fuel type	-	10.0 / Premium
Chassis and Suspension		
Codification of Reference Gearbox	-	8HP70
Gear Ratios	I	4.696
	II	3.130
	III	2.104
	IV	1.667
	V	1.285
	VI	1.000
	VII	0.839
	VIII	0.667
Reverse Ratio	-	3.300
Final Drive Ratio	-	3.077
Steering Type / Ratio	-	Rack-and-pinion / 19.1
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 374 / 14.7
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 370 / 14.6
Tire Type, Front	-	245/50 R18 100W AS RSC
Tire Type, Rear	-	245/50 R18 100W AS RSC
Wheels, Front	-	8J x 18 Light alloy
Wheels, Rear	-	8J x 18 Light alloy
Performance		
Top Speed	km/h / mph	240 / 150
Top speed w. Sport Package	km/h / mph	240 / 150
Acceleration, 0-60 mph	s	5.4
Acceleration, 0-100 Km/h	s	5.7
Fuel Economy, EPA Estimate - City	mpg	15
Fuel Economy, EPA Estimate - Highway	mpg	21
Fuel Economy, EPA Estimate - Combined	mpg	17
Approximate Range	km / miles	380