

BMW

U.S. Media Information

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Technical Data.

2010 BMW M5.

		M5	M5 (SMG)
		Sedan	Sedan
10.22.2009		Manual 6 Speed	Manual 7 Speed
Body			
No. of Doors / Seating Capacity	-	4 / 5	4 / 5
Vehicle Length	mm / inch	4863 / 191.5	4863 / 191.5
Vehicle Width	mm / inch	1846 / 72.7	1846 / 72.7
Vehicle Height, Unloaded	mm / inch	1469 / 57.8	1469 / 57.8
Wheelbase	mm / inch	2889 / 113.7	2889 / 113.7
Turning Circle	m / ft	12.4 / 40.7	12.4 / 40.7
Track, Front	mm / inch	1580 / 62.2	1580 / 62.2
Track, Rear	mm / inch	1566 / 61.7	1566 / 61.7
Width at Shoulderheight, Front	mm / inch	1456 / 57.3	1456 / 57.3
Width at Shoulderheight, Rear	mm / inch	1452 / 57.2	1452 / 57.2
Effective Leg Room, Front	mm / inch	1054 / 41.5	1054 / 41.5
Effective Leg Room, Rear	mm / inch	914 / 36	914 / 36
Effective Head Room, Front	mm / inch	993 / 39.1	993 / 39.1
Effective Head Room, Rear	mm / inch	967 / 38.1	967 / 38.1
Trunk Volume acc SAE1100	ft³	14	14
Fuel Capacity	L / gal	70 / 18.5	70 / 18.5
Curb Weight	kg / lbs	1820 / 4012	1820 / 4012
Weight Distribution Front/Rear	%	52.2 / 47.8	52.2 / 47.8
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2300 / 5071	2300 / 5071
Payload	kg / lbs	480 / 1058	480 / 1058
Axle Load Limit, front	kg / lbs	1090 / 2403	1090 / 2403
Axle Load Limit, rear	kg / lbs	1270 / 2800	1270 / 2800
Towing Capacity	kg / lbs	- / -	- / -
Roof Load Limit	kg / lbs	100 / 220	100 / 220
Drag Coefficient	Cd	0.31	0.31
Drag Cd x A	m² / ft²	0.7 / 7.54	0.7 / 7.54
Engine			
Engine Type / Cylinder / Valves per Cylinder	-	V 90 / 10 / 4 VANOS	V 90 / 10 / 4 VANOS
Engine Management System	-	BMW MS S65 Port Injection	BMW MS S65 Port Injection
Induction System		Natural, tuned runners	Natural, tuned runners
Displacement	cm³ / inch³	4999 / 305.1	4999 / 305.1
Stroke	mm / inch	75.2 / 2.96	75.2 / 2.96
Bore	mm / inch	92 / 3.62	92 / 3.62
Power	SAE hp / rpm	500 / 7750	500 / 7750
Torque	ft lbs / rpm	383 (520) / 6100	383 (520) / 6100
Compression Ratio / Fuel type	-	12 / Premium	12 / Premium
Chassis and Suspension			
Codification of Reference Gearbox	-	G	SMG III 247
Gear Ratios I	-	4.055	3.985
II	-	2.396	2.652
III	-	1.582	1.806
IV	-	1.192	1.392
V	-	1	1.159
VI	-	0.872	1
VII	-		0.833
Reverse Ratio	-	3.677	3.985
Final Drive Ratio	-	3.62	3.62
Steering Type / Ratio	-	Rack-and-pinion / 12.4	Rack-and-pinion / 12.4
Front Brakes / Diameter	- / mm / inch	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
Tire Type, Front	-	255/40 ZR19	255/40 ZR19
Tire Type, Rear	-	285/35 ZR19	285/35 ZR19
Wheels, Front	-	8.5J x 19 Light alloy	8.5J x 19 Light alloy
Wheels, Rear	-	9.5J x 19 Light alloy	9.5J x 19 Light alloy
Performance			
Top Speed	km/h / mph	250 / 155	250 / 155
Top speed w. Sport Package	km/h / mph	- / -	- / -
Acceleration, 0-60 mph	s	4.5	4.5
Acceleration, 0-100 Km/h	s	4.7	4.7
Fuel Economy, EPA Estimate - City	mpg	11	11
Fuel Economy, EPA Estimate - Highway	mpg	17	17
Fuel Economy, EPA Estimate - Combined	mpg	13	13
Approximate Range	km / miles	485 / 300	485 / 300