

BMW

U.S. Media Information

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Technical Data.

2013 BMW M5 Sedan.

11.01.2011		M5	M5
		Sedan	Sedan
		Manual 6 Speed	Auto 8 Speed
Body		Preliminary	Preliminary
No. of Doors / Seating Capacity		4 / 5	4 / 5
Vehicle Length	mm / inch	4916 / 193.5	4916 / 193.5
Vehicle Width	mm / inch	1891 / 74.4	1891 / 74.4
Vehicle Height, Unloaded	mm / inch	1456 / 57.3	1456 / 57.3
Wheelbase	mm / inch	2964 / 116.7	2964 / 116.7
Turning Circle	m / ft	12.60 / 41.3	12.60 / 41.3
Track, Front	mm / inch	1627 / 64.1	1627 / 64.1
Track, Rear	mm / inch	1582 / 62.3	1582 / 62.3
Ground Clearance	mm / inch	117 / 4.60	117 / 4.60
Width at Shoulderheight, Front	mm / inch	1480 / 58.3	1480 / 58.3
Width at Shoulderheight, Rear	mm / inch	1427 / 56.2	1427 / 56.2
Effective Leg Room, Front	mm / inch	1052 / 41.4	1052 / 41.4
Effective Leg Room, Rear	mm / inch	918 / 36.1	918 / 36.1
Effective Head Room, Front	mm / inch	1028 / 40.5	1028 / 40.5
Effective Head Room, Rear	mm / inch	973 / 38.3	973 / 38.3
Trunk Volume acc SAE1100	ft³	14	14
Fuel Capacity	L / gal	80 / 21.1	80 / 21.1
Curb Weight	kg / lbs	1970 / 4343	1990 / 4387
Weight Distribution Front/Rear	%	52.3 / 47.7	52.5 / 47.5
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2410 / 5313	2410 / 5313
Payload	kg / lbs	440 / 970	440 / 970
Axle Load Limit, front	kg / lbs	1180 / 2601	1180 / 2601
Axle Load Limit, rear	kg / lbs	1260 / 2778	1260 / 2778
Towing Capacity	lbs	-	-
Roof Load Limit	kg / lbs	100 / 220	100 / 220
Drag Coefficient	Cd	0.33	0.33

Engine		S63TU	S63TU
Engine Type / Cylinder / Valves per Cylinder	-	V 90°/ 8 / 4 VANOS	V 90°/ 8 / 4 VANOS
Engine Management System	-	MSD 17 Direct Injection	MSD 17 Direct Injection
Induction System	Bar	2 twin scroll turbo rev. flow "hot V"	2 twin scroll turbo rev. flow "hot V"
Boost Pressure / Overboost	Bar	1.5	1.5
Displacement	cm³ / inch³	4395 / 268.2	4395 / 268.2
Stroke	mm / inch	88.3 / 3.48	88.3 / 3.48
Bore	mm / inch	89 / 3.50	89 / 3.50
Power	SAE hp / rpm	560 / 6000-7000	560 / 6000-7000
Torque	ft lbs / rpm	500 / 1500-5750	500 / 1500-5750
Compression Ratio / Fuel type	-	10.0 / Premium	10.0 / Premium

Chassis and Suspension			
Codification of Reference Gearbox	-	G	M-DKG 436
Gear Ratios I	-	4.055	4.806
II	-	2.396	2.593
III	-	1.582	1.701
IV	-	1.192	1.277
V	-	1.000	1.000
VI	-	0.872	0.844
VII	-	-	0.671
VIII	-	-	-
Reverse Ratio	-	3.677	4.172
Final Drive Ratio	-	3.154	3.154
Steering Type / Ratio	-	Rack-and-pinion / 13.1	Rack-and-pinion / 13.1
Front Brakes / Diameter	- / mm / inch	Vented 400 / 15.7	Vented 400 / 15.7
Rear Brakes / Diameter	- / mm / inch	Vented 396 / 15.6	Vented 396 / 15.6
Tire Type, Front	-	265/40 ZR19 102Y	265/40 ZR19 102Y
Tire Type, Rear	-	295/35 ZR19 104Y	295/35 ZR19 104Y
Tire Type, Front w. Sport Package (top)	-	-	-
Tire Type, Rear w. Sport Package (top)	-	-	-
Wheels, Front	-	9J x 19 Light alloy	9J x 19 Light alloy
Wheels, Rear	-	10J x 19 Light alloy	10J x 19 Light alloy
Wheels, Front w. Sport Package (top)	-	-	-
Wheels, Rear w. Sport Package (top)	-	-	-

Performance			
Top Speed	km/h / mph	250 / 155	250 / 155
Top speed w. Sport Package	km/h / mph	250 / 155	250 / 155
Acceleration, 0-60 mph	s	tba	4.3
Acceleration, 0-100 Km/h	s	tba	4.4
Fuel Economy, EPA Estimate - City	mpg	tba	tba
Fuel Economy, EPA Estimate - Highway	mpg	tba	tba
Fuel Economy, EPA Estimate - Combined	mpg	tba	tba
Approximate Range	km / miles	tba	tba