

BMW

U.S. Media Information

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Technical Data.

2010 BMW M3 Sedan.

		M3 Sedan Manual 6 Speed	M3 (DCT) Sedan Auto 7 Speed
10.22.2009			
Body			
No. of Doors / Seating Capacity	-	4 / 5	4 / 5
Vehicle Length	mm / inch	4583 / 180.4	4583 / 180.4
Vehicle Width	mm / inch	1817 / 71.5	1817 / 71.5
Vehicle Height, Unloaded	mm / inch	1447 / 57	1447 / 57
Wheelbase	mm / inch	2761 / 108.7	2761 / 108.7
Turning Circle	m / ft	11.7 / 38.4	11.7 / 38.4
Track, Front	mm / inch	1540 / 60.6	1540 / 60.6
Track, Rear	mm / inch	1539 / 60.6	1539 / 60.6
Width at Shoulderheight, Front	mm / inch	1408 / 55.4	1408 / 55.4
Width at Shoulderheight, Rear	mm / inch	1399 / 55.1	1399 / 55.1
Effective Leg Room, Front	mm / inch	1054 / 41.5	1054 / 41.5
Effective Leg Room, Rear	mm / inch	879 / 34.6	879 / 34.6
Effective Head Room, Front	mm / inch	978 / 38.5	978 / 38.5
Effective Head Room, Rear	mm / inch	953 / 37.5	953 / 37.5
Trunk Volume acc SAE1100	ft³	12	12
Fuel Capacity	L / gal	63 / 16.6	63 / 16.6
Curb Weight	kg / lbs	1690 / 3726	1690 / 3726
Weight Distribution, Front / Rear	%	52.2 / 47.8	52.2 / 47.8
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2150 / 4740	2150 / 4740
Payload	kg / lbs		
Axle Load Limit, front	kg / lbs	1020 / 2249	1020 / 2249
Axle Load Limit, rear	kg / lbs	1190 / 2624	1190 / 2624
Towing Capacity	kg / lbs	- / -	- / -
Roof Load Limit	kg / lbs	75 / 165	75 / 165
Drag Coefficient	Cd	0.31	0.31
Drag Cd x A	m² / ft²	0.69 / 7.44	0.69 / 7.44
Engine			
Engine Type / Cylinder / Valves per Cylinder	-	V 90 / 8 / 4 VANOS	V 90 / 8 / 4 VANOS
Engine Management System	-	BMW MS60 Direct Injection	BMW MS60 Direct Injection
Induction System		Natural, tuned runners	Natural, tuned runners
Displacement	cm³ / inch³	3999 / 244	3999 / 244
Stroke	mm / inch	75.2 / 2.96	75.2 / 2.96
Bore	mm / inch	92 / 3.62	92 / 3.62
Power	SAE hp / rpm	414 / 8300	414 / 8300
Torque	ft lbs / rpm	295 (400) / 3900	295 (400) / 3900
Compression Ratio / Fuel type	-	12 / Premium	12 / Premium
Chassis and Suspension			
Codification of Reference Gearbox	-	G	M DKG 436
Gear Ratios I	-	4.055	4.78
I	-	2.396	2.933
II	-	1.582	2.153
IV	-	1.192	1.678
V	-	1	1.39
V	-	0.872	1.203
VI	-		1
Reverse Ratio	-	3.677	4.454
Final Drive Ratio	-	3.85	3.15
Steering Type / Ratio	-	Rack-and-pinion / 12.5	Rack-and-pinion / 12.5
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 360 / 14.2	Vent. Disc / 360 / 14.2
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 350 / 13.8	Vent. Disc / 350 / 13.8
Tire Type, Front	-	245/40 ZR18	245/40 ZR18
Tire Type, Rear	-	265/40 ZR18	265/40 ZR18
Wheels, Front	-	8.5J x 18 Light alloy	8.5J x 18 Light alloy
Wheels, Rear	-	9.5J x 18 Light alloy	9.5J x 18 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	4.7	4.5
Acceleration, 0-100 Km/h	s	4.9	4.7
Fuel Economy, EPA Estimate - City	mpg	14	14
Fuel Economy, EPA Estimate - Highway	mpg	20	20
Fuel Economy, EPA Estimate - Combined	mpg	16	16
Approximate Range	km / miles	555 / 345	550 / 345