

BMW

U.S. Press Information

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Technical Data.

2009 BMW 6 Series Coupe.

		650i Coupe Manual 6 Speed	650i Coupe Auto 6 Speed
Body			
No. of Doors / Seating Capacity	-	2 / 4	2 / 4
Vehicle Length	mm / inch	4831 / 190.2	4831 / 190.2
Vehicle Width	mm / inch	1855 / 73	1855 / 73
Vehicle Height, Unloaded	mm / inch	1374 / 54.1	1374 / 54.1
Wheelbase	mm / inch	2780 / 109.4	2780 / 109.4
Turning Circle	m / ft	11.4 / 37.4	11.4 / 37.4
Track, Front	mm / inch	1558 / 61.3	1558 / 61.3
Track, Rear	mm / inch	1596 / 62.8	1596 / 62.8
Width at Shoulderheight, Front	mm / inch	1432 / 56.4	1432 / 56.4
Width at Shoulderheight, Rear	mm / inch	1254 / 49.4	1254 / 49.4
Effective Leg Room, Front	mm / inch	1067 / 42	1067 / 42
Effective Leg Room, Rear	mm / inch	765 / 30.1	765 / 30.1
Effective Head Room, Front	mm / inch	956 / 37.6	956 / 37.6
Effective Head Room, Rear	mm / inch	905 / 35.6	905 / 35.6
Trunk Volume acc DIN	m³ / ft³	0.450 / 15.9	0.450 / 15.9
Trunk Volume acc SAE1100	ft³	13	13
Fuel Capacity	L / gal	70 / 18.5	70 / 18.5
Curb Weight	kg / lbs	1730 / 3814	1730 / 3814
Weight Distribution, Front / Rear	%	52.6 / 47.4	52.6 / 47.4
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2110 / 4652	2110 / 4652
Payload	kg / lbs	380 / 838	380 / 838
Axle Load Limit, front	kg / lbs	1060 / 2337	1060 / 2337
Axle Load Limit, rear	kg / lbs	1130 / 2491	1130 / 2491
Roof Load Limit	kg / lbs	- / -	- / -
Drag Coefficient	Cd	0.3	0.3
Drag Cd x A	m² / ft²	0.65 / 6.94	0.65 / 6.94
Engine			
Engine Type / Cylinder / Valves per Cylinder	-	V 90 / 8 / 4	V 90 / 8 / 4
Engine Management System	-	ME9	ME9
Displacement	cm³ / inch³	4799 / 292.9	4799 / 292.9
Stroke	mm / inch	88.3 / 3.48	88.3 / 3.48
Bore	mm / inch	93 / 3.66	93 / 3.66
Power	SAE hp / rpm	360 / 6300	360 / 6300
Torque	ft lbs / rpm	360 (488) / 3400	360 (488) / 3400
Compression Ratio / Fuel type	-	10.5 / Premium	10.5 / Premium
Chassis and Suspension			
Codification of Reference Gearbox	-	G	6HP26 TU
Gear Ratios I	-	4.055	4.171
I	-	2.396	2.34
II	-	1.582	1.521
IV	-	1.192	1.143
V	-	1	0.867
V	-	0.872	0.691
VI	-	3.77	3.403
Reverse Ratio	-	3.46	3.46
Final Drive Ratio	-	Rack-and-pinion / 14.4	Rack-and-pinion / 14.4
Steering Type / Ratio	-	Vent. Disc / 348 / 13.7	Vent. Disc / 348 / 13.7
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 345 / 13.6	Vent. Disc / 345 / 13.6
Rear Brakes / Diameter	- / mm / inch	245/45 R18 95V AS	245/45 R18 95V AS
Tire Type, Front	-	245/45 R18 95V AS	245/45 R18 95V AS
Tire Type, Rear	-	8J x 18 Light alloy	8J x 18 Light alloy
Wheels, Front	-	8J x 18 Light alloy	8J x 18 Light alloy
Wheels, Rear	-		
Performance			
Top Speed	km/h / mph	240 / 150	240 / 150
Top Speed w. Sport Package	km/h / mph	- / -	- / -
Acceleration, 0-60 mph	s	5.3	5.4
Acceleration, 0-100 Km/h	s	5.5	5.6
Fuel Economy, EPA Estimate - City	mpg	12.7 / 18.5	11.9 / 19.8
Fuel Economy, EPA Estimate - Highway	mpg	15	15
Fuel Economy, EPA Estimate - Combined	mpg	22	23
Approximate Range	km / miles	18	18
		485 / 300	495 / 305