

BMW

U.S. Media Information

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Technical Data.

2011 BMW 7 Series.

		740i	740Li
		Sedan	Sedan
12.15.2009		Auto 6 Speed	Auto 6 Speed
Body		**Preliminary**	**Preliminary**
No. of Doors / Seating Capacity	-	4 / 5	4 / 5
Vehicle Length	mm / inch	5074 / 199.8	5214 / 205.3
Vehicle Width	mm / inch	1902 / 74.9	1902 / 74.9
Vehicle Height, Unloaded	mm / inch	1482 / 58.3 2)	1481 / 58.3
Wheelbase	mm / inch	3070 / 120.9	3210 / 126.4
Turning Circle	m / ft	12.2 / 40.0	12.7 / 41.7
Track, Front	mm / inch	1611 / 63.4	1611 / 63.4
Track, Rear	mm / inch	1650 / 65.0	1650 / 65.0
Width at Shoulderheight, Front	mm / inch	1503 / 59.2	1503 / 59.2
Width at Shoulderheight, Rear	mm / inch	1458 / 57.4	1462 / 57.6
Effective Leg Room, Front	mm / inch	1048 / 41.3	1046 / 41.3
Effective Leg Room, Rear	mm / inch	987 / 38.9	1124 / 44.3
Effective Head Room, Front	mm / inch	1032 / 40.6	1036 / 40.8
Effective Head Room, Rear	mm / inch	978 / 38.5	988 / 38.9
Trunk Volume acc SAE1100	ft³	14	14
Fuel Capacity	L / gal	82 / 21.7	82 / 21.7
Curb Weight	kg / lbs	1970 / 4344	2010 / 4432
Weight Distribution, Front / Rear	%	50.4 / 49.6	49.8 / 50.2
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2470 / 56446	2495 / 5501
Payload	kg / lbs	480 / 1058	480 / 1058
Axle Load Limit, front	kg / lbs	1150 / 2536	1165 / 2569
Axle Load Limit, rear	kg / lbs	1385 / 3053	1415 / 3120
Towing Capacity	kg / lbs	- / -	- / -
Roof Load Limit	kg / lbs	100 / 220	100 / 220
Drag Coefficient	Cd	0.30	0.30
Drag Cd x A	m² / ft²	0.72 / 7.75	0.72 / 7.75
Engine			
Engine Type / Cylinder / Valves per Cylinder	-	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS
Engine Management System	-	MSD87 Direct Injection	MSD87 Direct Injection
Induction System	-	twin turbo	twin turbo
Displacement	cm³ / inch³	2979 / 181.8	2979 / 181.8
Stroke	mm / inch	89.6 / 3.53	89.6 / 3.53
Bore	mm / inch	84 / 3.31	84 / 3.31
Power	SAE hp / rpm	315 / 5800-6000	315 / 5800-6000
Torque	ft lbs / rpm	330 (450) / 1600-4500	330 (450) / 1600-4500
Compression Ratio / Fuel type	-	10.2 / Premium	10.2 / Premium
Chassis and Suspension			
Codification of Reference Gearbox	-	6HP26 Tü	6HP19 Tü
Gear Ratios I	-	4.171	4.171
II	-	2.340	2.340
III	-	1.521	1.521
IV	-	1.143	1.143
V	-	0.867	0.867
VI	-	0.690	0.690
VII	-		
VIII	-		
Reverse Ratio	-	3.403	3.403
Final Drive Ratio	-	3.462	3.462
Steering Type / Ratio	-	Rack-and-pinion / 19.1	Rack-and-pinion / 19.1
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 348 / 13.7	Vent. Disc / 348 / 13.7
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 345 / 13.6	Vent. Disc / 345 / 13.6
Tire Type, Front	-	245/50 R18 100V RSC AS	245/50 R18 100V RSC AS
Tire Type, Rear	-	245/50 R18 100V RSC AS	245/50 R18 100V RSC AS
Wheels, Front	-	8J x 18 Light alloy	8J x 18 Light alloy
Wheels, Rear	-	8J x 18 Light alloy	8J x 18 Light alloy
Performance			
Top Speed	km/h / mph	240 / 150	240 / 150
Top Speed w. Sport Package	km/h / mph	240 / 150	240 / 150
Acceleration, 0-60 mph	s	5.7	5.9
Acceleration, 0-100 Km/h	s	6.1	6.2
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