

# BMW

## U.S. Media Information

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### Technical Data

#### 2013 BMW 7 Series.

		<b>760Li</b> Sedan Auto 8 Speed	<b>740i</b> Sedan Auto 8 Speed	<b>740Li</b> Sedan Auto 8 Speed	<b>740Li H</b> Sedan Auto 8 Speed	<b>750i</b> Sedan Auto 8 Speed	<b>750Li</b> Sedan Auto 8 Speed	<b>740Li xDrive</b> Sedan Auto 8 Speed	<b>750i xDrive</b> Sedan Auto 8 Speed	<b>750Li xDrive</b> Sedan Auto 8 Speed
<b>07.22.2012</b>										
<b>Body</b>										
No of Doors / Seating Capacity		4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Vehicle length	mm / inch	5214 / 205.3	5074 / 199.8	5214 / 205.3	5214 / 205.3	5074 / 199.8	5214 / 205.3	5214 / 205.3	5074 / 199.8	5214 / 205.3
Vehicle width	mm / inch	1902 / 74.9	1902 / 74.9	1902 / 74.9	1902 / 74.9	1902 / 74.9	1902 / 74.9	1902 / 74.9	1902 / 74.9	1902 / 74.9
Vehicle Height, Unloaded	mm / inch	1481 / 58.3	1471 / 57.9	1481 / 58.3	1481 / 58.3	1471 / 57.9	1481 / 58.3	1481 / 58.3	1471 / 57.9	1481 / 58.3
Wheelbase	mm / inch	3210 / 126.4	3070 / 120.9	3210 / 126.4	3210 / 126.4	3070 / 120.9	3210 / 126.4	3210 / 126.4	3070 / 120.9	3210 / 126.4
Turning Circle	m / ft	12.7 / 41.7	12.2 / 40	12.7 / 41.7	12.7 / 41.7	12.2 / 40	12.7 / 41.7	13 / 42.7	12.5 / 41	13 / 42.7
Track Front	mm / inch	1611 / 63.4	1611 / 63.4	1611 / 63.4	1611 / 63.4	1611 / 63.4	1611 / 63.4	1611 / 63.4	1611 / 63.4	1611 / 63.4
Track Rear	mm / inch	1650 / 65	1650 / 65	1650 / 65	1650 / 65	1650 / 65	1650 / 65	1650 / 65	1650 / 65	1650 / 65
Ground Clearance	mm / inch	152 / 6	152 / 6	152 / 6	152 / 6	152 / 6	152 / 6	152 / 6	152 / 6	152 / 6
Width at Shoulder, Front	mm / inch	1503 / 59.2	1503 / 59.2	1503 / 59.2	1503 / 59.2	1503 / 59.2	1503 / 59.2	1503 / 59.2	1503 / 59.2	1503 / 59.2
Width at Shoulder, Rear	mm / inch	1462 / 57.6	1458 / 57.4	1462 / 57.6	1462 / 57.6	1458 / 57.4	1462 / 57.6	1458 / 57.4	1462 / 57.6	1462 / 57.6
Effective Legroom, Front	mm / inch	1048 / 41.3	1048 / 41.3	1048 / 41.3	1048 / 41.3	1048 / 41.3	1048 / 41.3	1048 / 41.3	1048 / 41.3	1048 / 41.3
Effective Legroom, Rear	mm / inch	1124 / 44.3	987 / 38.9	1124 / 44.3	1124 / 44.3	987 / 38.9	1124 / 44.3	1124 / 44.3	987 / 38.9	1124 / 44.3
Effective Head Room, Front	mm / inch	1036 / 40.8	1032 / 40.6	1036 / 40.8	1036 / 40.8	1032 / 40.6	1036 / 40.8	1036 / 40.8	1032 / 40.6	1036 / 40.8
Effective Head Room, Rear	mm / inch	988 / 38.9	978 / 38.5	988 / 38.9	988 / 38.9	978 / 38.5	988 / 38.9	988 / 38.9	978 / 38.5	988 / 38.9
Trunk Volume	m³ / ft³	0.50 / 17.7	0.50 / 17.7	0.50 / 17.7	0.50 / 17.7	0.36 / 12.7	0.50 / 17.7	0.50 / 17.7	0.50 / 17.7	0.50 / 17.7
Fuel Capacity	liter / gal	80 / 21.1	80 / 21.1	80 / 21.1	76 / 20.1	80 / 21.1	80 / 21.1	80 / 21.1	80 / 21.1	80 / 21.1
Curb Weight	Kg / lbs	2275 / 5015	1955 / 4310	1973 / 4350	2123 / 4680	2075 / 4575	2114 / 4660	2053 / 4525	2152 / 4745	2177 / 4800
Weight distribution (empty car)	%	48.4	49.8	49.8	51.3	48.9	48.7	48.5	47.6	47.7
Gross Vehicle Weight Rating (GVWR)	Kg / lbs	2751 / 6065	2515 / 5545	2556 / 5635	2599 / 5730	2601 / 5735	2640 / 5820	2624 / 5785	2660 / 5865	2694 / 5940
Payload	Kg / lbs	431 / 950	469 / 1035	469 / 1035	411 / 905	469 / 1035	431 / 950	469 / 1035	469 / 1035	431 / 950
Axle Load Limit, Front	Kg / lbs	1349 / 2975	1179 / 2600	1191 / 2625	1211 / 2670	1250 / 2755	1261 / 2780	1250 / 2755	1300 / 2865	1311 / 2890
Axle Load Limit, Rear	Kg / lbs	1454 / 3205	1415 / 3120	1424 / 3140	1454 / 3205	1424 / 3140	1431 / 3155	1431 / 3155	1429 / 3150	1449 / 3195
<b>Engine</b>										
Engine type / Cylinders / Valves p.cyl.		N74B60U0	N55B3000	N55B3000	N55B3000	N63B4401	N63B4401	N55B3000	N63B4401	N63B4401
Fuel Management System		V90 / 12 / 4 MSD 87	in line / 6 / 4 MEVD 17.2.6	in line / 6 / 4 MEVD 17.2.6	in line / 6 / 4 MEVD 17.2.6	V90 / 8 / 4 MEVD 17.2.8	V90 / 8 / 4 MEVD 17.2.8	in line / 6 / 4 MEVD 17.2.6	V90 / 8 / 4 MEVD 17.2.8	V90 / 8 / 4 MEVD 17.2.8
Injection System / Boost Pressure		DI / TwinPower Turbo	DI2,VVT / TwinScroll Turbo	DI2,VVT / TwinScroll Turbo	DI2,VVT / TwinScroll Turbo	DI / TwinPower Turbo	DI / TwinPower Turbo	DI2,VVT / TwinScroll Turbo	DI / TwinPower Turbo	DI / TwinPower Turbo
Displacement	cm³ / inch	2976 / 182	2979 / 182	2979 / 182	2979 / 182	4395 / 268	4395 / 268	2979 / 182	4395 / 268	4395 / 268
Stroke	mm / inch	80 / 3.1	89.6 / 3.5	89.6 / 3.5	89.6 / 3.5	88.3 / 3.5	88.3 / 3.5	89.6 / 3.5	88.3 / 3.5	88.3 / 3.5
Bore	mm / inch	89 / 3.5	84 / 3.3	84 / 3.3	84 / 3.3	89 / 3.5	89 / 3.5	89 / 3.5	89 / 3.5	89 / 3.5
Engine Power	bHP / 11min	536 / 5250	315 / 5800	315 / 5800	315 / 5800	445 / 5500	445 / 5500	445 / 5500	445 / 5500	445 / 5500
Engine Torque	ft.lbs (Nm) / 11min	553 (750) / 1500-5000	332 (450) / 1300-4500	332 (450) / 1300-4500	332 (450) / 1300-4500	480 (650) / 2000-4500	480 (650) / 2000-4500	480 (650) / 2000-4500	480 (650) / 2000-4500	480 (650) / 2000-4500
Compression Ratio / Fuel type	- / l	10 / Premium	10.2 / Premium	10.2 / Premium	10.2 / Premium	10 / Premium	10 / Premium	10.2 / Premium	10 / Premium	10 / Premium
<b>Chassis and Suspension</b>										
Codification of Reference Gearbox		8HP90	8HP45	8HP45	8HP70	8HP70	8HP70	8HP45	8HP70	8HP70
Gear Ratios I		4.714	4.714	4.714	4.714	4.714	4.714	4.714	4.714	4.714
II		3.143	3.143	3.143	3.143	3.143	3.143	3.143	3.143	3.143
III		2.106	2.106	2.106	2.106	2.106	2.106	2.106	2.106	2.106
IV		1.667	1.667	1.667	1.667	1.667	1.667	1.667	1.667	1.667
V		1.285	1.285	1.285	1.285	1.285	1.285	1.285	1.285	1.285
VI		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
VII		0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839
VIII		0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667
Reverse Ratio		3.317	3.295	3.295	3.317	3.317	3.317	3.295	3.317	3.317
Final Drive Ratio		2.813	3.077	3.077	2.929	2.813	2.813	3.077	2.813	2.813

		<b>760Li</b>	<b>740i</b>	<b>740Li</b>	<b>740Li H</b>	<b>750i</b>	<b>750Li</b>	<b>740Li xDrive</b>	<b>750i xDrive</b>	<b>750Li xDrive</b>
Steering Type / Ratio		rack-and-pinion	rack-and-pinion	rack-and-pinion	rack-and-pinion	rack-and-pinion	rack-and-pinion	rack-and-pinion	rack-and-pinion	rack-and-pinion
Front Brakes		disc ventilated	disc ventilated	disc ventilated	disc ventilated	disc ventilated	disc ventilated	disc ventilated	disc ventilated	disc ventilated
Rear Brakes		disc ventilated	disc ventilated	disc ventilated	disc ventilated	disc ventilated	disc ventilated	disc ventilated	disc ventilated	disc ventilated
Tire Type, Front		245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y
Tire Type, Rear		245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y	245/50 R18 100Y
Tire Type, Front w Sport Package		245/40 R20	245/45 R19	245/45 R19	245/45 R19	245/45 R19	245/45 R19	245/45 R19	245/45 R19	245/45 R19
Tire Type, Rear w Sport Package		275/35 R20	275/40 R19	275/40 R19	275/40 R19	275/40 R19	275/40 R19	245/45 R19	245/45 R19	245/45 R19
Wheels, Front		8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM
Wheels, Rear		8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM
Wheels, Front w Sport Package		8.5x20 LM	8.5J x 19 LM	8.5Jx19 LM	8.5Jx19 LM	8.5Jx19 LM	8.5Jx19 LM	8.5Jx19 LM	8.5Jx19 LM	8.5Jx19 LM
Wheels, Rear w Sport Package		10.0x20 LM	9.5J x 19 LM	9.5Jx19 LM	9.5Jx19 LM	9.5Jx19 LM	9.5Jx19 LM	8.5Jx19 LM	8.5Jx19 LM	8.5Jx19 LM
<b>Performance</b>										
Top Speed	Km/h / mph	250 / 130	250 / 130	250 / 130	250 / 130	250 / 130	250 / 130	240 / 130	240 / 130	240 / 130
Top Speed w Sport Package	Km/h / mph	250 / 155	250 / 155	250 / 155	250 / 155	250 / 155	250 / 155	240 / 149	240 / 130	240 / 130
Acceleration, 0-60 mph	sec.	4.5	5.5	5.6	5.6	4.7	4.8	5.4	4.6	4.6
Acceleration, 0-100 Km/h	sec.	4.7	5.9	5.9	5.9	4.9	5	5.7	4.8	4.9
Fuel Economy, Estimate - City	mpg	13	19	19	TBA	17	16	19	16	TB16
Fuel Economy, Estimate - Highway	mpg	20	28	28	TBA	25	24	28	24	24
Fuel Economy, Estimate - Combined	mpg	15	22	22	TBA	19	19	22	19	19
Approximate Range (Combined)	miles	317	464	464	TBA	401	401	464	401	401