

Technical Data

2015 BMW 7 Series

		760Li Sedan	740Li Sedan	ActiveHybrid 7 Sedan	750Li Sedan	740Li xDrive Sedan	750Li xDrive Sedan	740Ld xDrive Sedan
		N74B60U0	N55B3000	N55B3000	N63B4401	N55B3000	N63B4401	N57D3001
Transmission type		automatic transmission 8	automatic transmission 8	automatic transmission 8	automatic transmission 8	automatic transmission 8	automatic transmission 8	automatic transmission 8
No of Doors / Seats		4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Veh. length	mm / inch	5220 / 205.5	5220 / 205.5	5220 / 205.5	5220 / 205.5	5220 / 205.5	5220 / 205.5	5220 / 205.5
Veh. width	mm / inch	1902 / 74.9	1902 / 74.9	1902 / 74.9	1902 / 74.9	1902 / 74.9	1902 / 74.9	1902 / 74.9
Veh. height	mm / inch	1481 / 58.3	1481 / 58.3	1481 / 58.3	1481 / 58.3	1481 / 58.3	1481 / 58.3	1481 / 58.3
Wheelbase	mm / inch	3210 / 126.4	3210 / 126.4	3210 / 126.4	3210 / 126.4	3210 / 126.4	3210 / 126.4	3210 / 126.4
Turning circle	m / ft	12.7 / 41.7	12.7 / 41.7	12.7 / 41.7	12.7 / 41.7	13 / 42.7	13 / 42.7	13 / 42.7
Ground clearance	mm / inch	152 / 6	152 / 6	152 / 6	152 / 6	152 / 6	152 / 6	152 / 6
Shoulder width front	mm / inch	1503 / 59.2	1503 / 59.2	1503 / 59.2	1503 / 59.2	1503 / 59.2	1503 / 59.2	1503 / 59.2
Shoulder width rear	mm / inch	1462 / 57.6	1462 / 57.6	1462 / 57.6	1462 / 57.6	1462 / 57.6	1462 / 57.6	1462 / 57.6
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
Legroom rear	mm / inch	1124 / 44.3	1124 / 44.3	1124 / 44.3	1124 / 44.3	1124 / 44.3	1124 / 44.3	1124 / 44.3
Max. headroom front	mm / inch	1036 / 40.8	1036 / 40.8	1036 / 40.8	1036 / 40.8	1036 / 40.8	1036 / 40.8	1036 / 40.8
Max. headroom rear	mm / inch	988 / 38.9	988 / 38.9	988 / 38.9	988 / 38.9	988 / 38.9	988 / 38.9	988 / 38.9
Luggage comp. capacity	m³ / ft³	0,500 / 18	0,500 / 18	0,360 / 12.7	0,500 / 18	0,500 / 18	0,500 / 18	0,500 / 17.7
Fuel tank capacity	liter / gal	80 / 21.1	80 / 21.1	76 / 20.1	80 / 21.1	80 / 21.1	80 / 21.1	80 / 21.1
Curb weight (US)	Kg / lbs	2275 / 5015	1973 / 4350	2123 / 4680	2114 / 4660	2053 / 4525	2177 / 4800	2125 / 4685
Weight distribution (empty car)	F/R	48.4 / 51.6	49.8 / 50.2	51.3 / 48.7	48.7 / 51.3	48.5 / 51.5	47.7 / 52.3	49.7
Gross veh. weight	Kg / lbs	2751 / 6065	2556 / 5635	2599 / 5730	2640 / 5820	2624 / 5785	2694 / 5940	2649 / 5840
Payload	Kg / lbs	411 / 905	440 / 970	411 / 905	431 / 950	440 / 970	431 / 950	411 / 905
Axle load limit front	Kg / lbs	1349 / 2975	1191 / 2625	1211 / 2670	1261 / 2780	1250 / 2755	1311 / 2890	1261 / 2780
Axle load limit rear	Kg / lbs	1454 / 3205	1424 / 3140	1454 / 3205	1431 / 3155	1431 / 3155	1449 / 3195	1440 / 3175
Engine type / Cylinders / Valves p.cyl.		V 60 ° VANOS / 12 / 4	in line, VANOS, Valvetronic / 6 / 4	in line, VANOS, Valvetronic / 6 / 4	V 90 ° VANOS, Valvetronic / 8 / 4	in line, VANOS, Valvetronic / 6 / 4	V 90 ° VANOS, Valvetronic / 8 / 4	in line / 6 / 4
Engine management		MSD 87	MEVD 17.2.6	MEVD 17.2.6	MEVD 17.2.H	MEVD 17.2.6	MEVD 17.2.H	DDE 7.01
Induction type		Twin Turbo	Single Twin Scroll Turbo	Single Twin Scroll Turbo	Twin Turbo	Single Twin Scroll Turbo	Twin Turbo	Variable geometry turbo
Injection type		High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection	Common rail direct injection / CR3
Displacement		5972/364	2979/182	2979/182	4395/268	2979/182	4395/268	2993/183
Stroke		80 / 3.1	89.6 / 3.5	89.6 / 3.5	88.3 / 3.5	89.6 / 3.5	88.3 / 3.5	90 / 3.5
Bore		89/3.5	84/3.3	84/3.3	89/3.5	84/3.3	89/3.5	84/3.3
Engine power / at rpm		535 / 5250-6250	315 / 5800-6000	335 / 5800-6000	445 / 5500-6000	315 / 5800-6000	445 / 5500-6000	255 / 4000
Engine torque / at rpm		550 (750) / 1500-5000	330 (450) / 1400-4500	332 / 1400-4500	480 (650) / 2000-4500	330 (450) / 1400-4500	480 (650) / 2000-4500	413 (560) / 1500-3000
Compression rate / Fuel type (recomm.)		10 / Premium	10.2 / Premium	10.2 / Premium	10 / Premium	10.2 / Premium	10 / Premium	16.5 / Ultra Low Sulfur Diesel
Type of gearbox		8HP90	8HP45	8HP70H	8HP70	8HP45	8HP70	8HP70
Gear ratios 1st gear		4.714	4.714	4.714	4.714	4.714	4.714	4.714
2nd gear		3.143	3.143	3.143	3.143	3.143	3.143	3.143
3rd gear		2.106	2.106	2.106	2.106	2.106	2.106	2.106
4th gear		1.663	1.663	1.663	1.663	1.663	1.663	1.663
5th gear		1.285	1.285	1.285	1.285	1.285	1.285	1.285
6th gear		1	1	1	1	1	1	1
7th gear		0.839	0.839	0.839	0.839	0.839	0.839	0.839
8th gear		0.667	0.667	0.667	0.667	0.667	0.667	0.667
Reverse gear		3.317	3.295	3.317	3.317	3.295	3.317	3.317
Final drive		2.813	3.077	2.929	2.813	3.077	2.813	2.563
Steering type / Steering transmission, overs		rack-and-pinion // 17.1	rack-and-pinion / 17.1	rack-and-pinion / 17.1	rack-and-pinion / 17.1	rack-and-pinion / 19.1	rack-and-pinion / 19.1	rack-and-pinion / 17.1
Front brake		disc ventilated // 14.7	disc ventilated // 13.7	disc ventilated // 13.7	disc ventilated // 14.7	disc ventilated // 13.7	disc ventilated // 14.7	disc ventilated // 13.7
Rear brake		disc ventilated // 13.6	disc ventilated // 13.6	disc ventilated // 13.6	disc ventilated // 14.6	disc ventilated // 13.6	disc ventilated // 14.6	disc ventilated // 13.6
Cd // Frontal		0.3 // 2.42 / 26.05	0.28 // 2.42 / 26.05	0.28 // 2.42 / 26.05	0.28 // 2.42 / 26.05	0.29 // 2.42 / 26.05	0.3 // 2.42 / 26.05	0.29 // 2.42 / 26.05
Top speed		240 / 130	210 / 130	240 / 130	210 / 130	240 / 130	210 / 130	240 / 130
Top speed optional		250 / 155	250 / 155	250 / 155	250 / 155	240 / 150	240 / 150	240 / 150
Acceleration 0-60 mph		4.5	5.6	5.6	4.8	5.4	4.6	6.1
Acceleration 0-100Kmh		4.7	5.9	5.9	5	5.7	4.8	6.4
Acceleration 0-1000m		22.8	25.4	25.4	23.3	25.4	23.3	27.1
Fuel cons. city (official EPA)		13	19	22	16	19	16	23
Fuel cons. highway (official EPA)		20	29	30	25	28	24	31
Fuel cons. combined (official EPA)		15	22	25	19	22	19	26
Range		317	464	503	401	464	401	549
Front tires		245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100V
Rear tires		245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100V
Front wheels		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
Rear wheels		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
Track front		1611 / 63.4	1611 / 63.4	1611 / 63.4	1611 / 63.4	1611 / 63.4	1611 / 63.4	1611 / 63.4
Track rear		1650 / 65	1650 / 65	1650 / 65	1650 / 65	1650 / 65	1650 / 65	1650 / 65