

		Technical Data		Model Range	US	MY	2011
		535i Sedan	535i Sedan	550i Sedan	550i Sedan		
		N55B30M0	N55B30M0	N63B4400	N63B4400		
		M6	A8	M6	A8		
Engine							
Transmission							
No. of doors / seats	-	4 / 5	4 / 5	4 / 5	4 / 5		
Vehicle length	mm / inch	4905 / 193,1	4905 / 193,1	4905 / 193,1	4905 / 193,1		
Vehicle width	mm / inch	1860 / 73,2	1860 / 73,2	1860 / 73,2	1860 / 73,2		
Vehicle height, unloaded	mm / inch	1464 / 57,6	1464 / 57,6	1464 / 57,6	1464 / 57,6		
Wheelbase	mm / inch	2968 / 116,9	2968 / 116,9	2968 / 116,9	2968 / 116,9		
Turning circle	m / ft	11,95 / 39,2	11,95 / 39,2	11,95 / 39,2	11,95 / 39,2		
Track, front	mm / inch	1600 / 63,0	1600 / 63,0	1600 / 63,0	1600 / 63,0		
Track, rear	mm / inch	1627 / 64,1	1627 / 64,1	1627 / 64,1	1627 / 64,1		
Overhang front	mm	838 / 32,9	838 / 32,9	838 / 32,9	838 / 32,9		
Overhang rear	mm	1099 / 43,3	1099 / 43,3	1099 / 43,3	1099 / 43,3		
Width at shoulderheight, front	mm / inch	1480 / 58,3	1480 / 58,3	1480 / 58,3	1480 / 58,3		
Width at shoulderheight, rear	mm / inch	1427 / 56,2	1427 / 56,2	1427 / 56,2	1427 / 56,2		
Eff. leg room, front	mm / inch	1052 / 41,4	1052 / 41,4	1052 / 41,4	1052 / 41,4		
Eff. leg room, rear	mm / inch	918 / 36,1	918 / 36,1	918 / 36,1	918 / 36,1		
max. Head room, front	mm / inch	1028 / 40,5	1028 / 40,5	1028 / 40,5	1028 / 40,5		
max. Head room, rear	mm / inch	973 / 38,3	973 / 38,3	973 / 38,3	973 / 38,3		
Luggage capacity	l / ft ³	520 / 18,4	520 / 18,4	520 / 18,4	520 / 18,4		
Approx. tank capacity	l / gal	70 / 18,5	70 / 18,5	70 / 18,5	70 / 18,5		
curb weight	kg / lbs	1840 / 4056	1855 / 4090	1970 / 4343	1985 / 4376		
Axle load ratio, rear (unladen)	%	49,2	49,1	47,7	47,6		
Gross vehicle weight	kg / lbs	2340 / 5159	2350 / 5181	2450 / 5401	2460 / 5423		
Payload	kg / lbs	480 / 1058	480 / 1058	450 / 992	470 / 1036		
Axle load limit, front	kg / lbs	1130 / 2491	1130 / 2491	1230 / 2712	1240 / 2734		
Axle load limit, rear	kg / lbs	1300 / 2866	1310 / 2888	1330 / 2932	1335 / 2943		
Roof load limit	kg / lbs						
Engine / No. of cylinders / valves p. cyl.	-	in line / 6 / 4	in line / 6 / 4	V90 / 8 / 4	V90 / 8 / 4		
Fuel management	-	MEVD172	MEVD172	MSD85	MSD85		
Displacement, acc. to ECE Reg.	cm ³ / inch ³	2979	2979	4395	4395		
Stroke	mm / inch	89,6 / 3,5	89,6 / 3,5	88,3 / 3,5	88,3 / 3,5		
Bore	mm / inch	84 / 3,3	84 / 3,3	89 / 3,5	89 / 3,5		
Nom. power output / Eng. speed	SAE hp(KW)/min ⁻¹	300 / 5800	300 / 5800	400 / 5500-6400	400 / 5500-6400		
Max. torque / Engine speed	ft lbs (Nm) / min ⁻¹	300 (407) / 1200-5000	300 (407) / 1200-5000	450 (610) / 1750-4500	450 (610) / 1750-4500		
Compression ratio / Fuel type	-	10,2 / ROZ 91-98	10,2 / ROZ 91-98	10,0 / ROZ 91-98	10,0 / ROZ 91-98		
Transmission type	-	K	8HP45	G	8HP70		
Gear ratio 1st / 2nd / 3rd / 4th	-	4,11/2,315/1,542/1,179	4,714 / 3,143 / 2,106 / 1,667	5,080 / 2,804 / 1,783 / 1,260	4,714 / 3,143 / 2,106 / 1,667		
Gear ratio 5th / 6th / 7th / 8th	-	1,00/0,846/-/-	1,285 / 1,000 / 0,839 / 0,667	1,000 / 0,835 / - / -	1,285 / 1,000 / 0,839 / 0,667		
Reverse gear ratio	-	3,727	3,295	4,607	3,317		
Final drive ratio	-	3,231	3,077	3,077	2,813		
Steering type / Steering ratio	-	Rack&Pinion / 17,1	Rack&Pinion / 17,1	Rack&Pinion / 17,1	Rack&Pinion / 17,1		
Brake front / diameter	- / mm / inch	disc ventil./ 348x36/13,7x1,4	disc ventil./ 348x36/13,7x1,4	disc ventil./ 374x36/14,7x1,4	disc ventil./ 374x36/14,7x1,4		
Brake rear / diameter	- / mm / inch	disc ventil./ 345x24/13,6x0,9	disc ventil./ 345x24/13,6x0,9	disc ventil./ 370x24/14,6x0,9	disc ventil./ 370x24/14,6x0,9		
Drag c _d	-	0,29	0,29	0,3	0,3		
Drag c _d x A	m ² / ft ²	0,68 / 7,3	0,68 / 7,3	0,71 / 7,6	0,68 / 7,6		
Top speed	km/h / mph						
Acceleration 0-60mph	s	5,7	5,7	5,0	5,0		
Acceleration 0-100Km/h	s						
Acceleration 0-1000m	s						
Power-weight ratio	lbs/hp	13,5	13,6	10,9	10,9		
Output per inch ³	hp/inch ³	0,10	0,10	0,10	0,10		
Fuel consumption acc. EPA label city/hw/comb	mpg	TBA	TBA	TBA	TBA		
Tire size front	-	245/45 R18 96V RSC	245/45 R18 96V RSC	245/45 R18 96Y RSC	245/45 R18 96Y RSC		
Tire size rear	-	245/45 R18 96V RSC	245/45 R18 96V RSC	245/45 R18 96Y RSC	245/45 R18 96Y RSC		
Wheel size front	-	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM		
Wheel size rear	-	8J x 18 LM	8J x 18 LM	8J x 18 LM	8J x 18 LM		
Wheel offset front / rear	mm // inch	30 / 30	30 / 30	30 / 30	30 / 30		
Radiator s. incl.heater / Engine oil ¹⁾	l / quarts	9,3/6,5 / 9,8/6,9	9,3/6,5 / 9,8/6,9	11,4/8,5 / 12/9	11,4/8,5 / 12/9		
Transmiss. fluid / Final drive fluid	l / quarts	Life-time	Life-time	Life-time	Life-time		
Battery capacity / installed position	Ah / -	80 / luggage comp.	90 / luggage comp.	80 / luggage comp.	90 / luggage comp.		
Alternator output rating	A / W	170 / 2380	170 / 2380	210 / 2940	210 / 2940		
Width including mirrors	mm / inch	2094 / 82,4	2094 / 82,4	2094 / 82,4	2094 / 82,4		
Ground clearance US ML1(= Curbweight)	mm / inch	141 / 5,6	141 / 5,6	141 / 5,6	141 / 5,6		
Front seat volume	ft ³	56,5	56,5	56,5	56,5		
Rear seat volume	ft ³	45	45	45	45		
Luggage volume	ft ³	14	14	14	14		
Eff. Head room, front with Sunroof	mm / inch	992 / 39,1	992 / 39,1	992 / 39,1	992 / 39,1		
Eff. Head room, rear with Sunroof	mm / inch	965 / 38,0	965 / 38,0	965 / 38,0	965 / 38,0		
Luggage volume (SAE luggage set)	ft ³	14	14	14	14		