

		Technical Data		Model Range	F10	US	MY	2011
			535i Sedan	535i Sedan	535i Sedan	550i Sedan	550i Sedan	550i Sedan
Engine			N55B30M0	N55B30M0	N63B44O0	N63B44O0	N63B44O0	N63B44O0
Transmission			M6	A8	M6	M6	A8	A8
No. of doors / seats	-		4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Vehicle length	mm / inch		4905 / 193,1	4905 / 193,1	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	1860 / 73,2	1860 / 73,2
Vehicle height, unloaded	mm / inch		1464 / 57,6	1464 / 57,6	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	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	11,95 / 39,2	11,95 / 39,2
Track, front	mm / inch		1600 / 63,0	1600 / 63,0	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	1627 / 64,1	1627 / 64,1
Overhang front	mm		838 / 32,9	838 / 32,9	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	1099 / 43,3	1099 / 43,3
Width at shoulderheight, front	mm / inch		1480 / 58,3	1480 / 58,3	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	1427 / 56,2	1427 / 56,2
Eff. leg room, front	mm / inch		1052 / 41,4	1052 / 41,4	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	918 / 36,1	918 / 36,1
max. Head room, front	mm / inch		1028 / 40,5	1028 / 40,5	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	973 / 38,3	973 / 38,3
Luggage capacity	l / ft ³		520 / 18,4	520 / 18,4	520 / 18,4	520 / 18,4	520 / 18,4	520 / 18,4
Approx. tank capacity	ltr / gal		70 / 18,5	70 / 18,5	70 / 18,5	70 / 18,5	70 / 18,5	70 / 18,5
curb weight	kg / lbs		1840 / 4056	1855 / 4090	1970 / 4343	1985 / 4376	1985 / 4376	1985 / 4376
Axle load ratio, rear (unladen)	%		49,2	49,1	47,7	47,6	47,6	47,6
Gross vehicle weight	kg / lbs		2340 / 5159	2350 / 5181	2450 / 5401	2460 / 5423	2460 / 5423	2460 / 5423
Payload	kg / lbs		480 / 1058	480 / 1058	450 / 992	470 / 1036	470 / 1036	470 / 1036
Axle load limit, front	kg / lbs		1130 / 2491	1130 / 2491	1230 / 2712	1240 / 2734	1240 / 2734	1240 / 2734
Axle load limit, rear	kg / lbs		1300 / 2866	1310 / 2888	1330 / 2932	1335 / 2943	1335 / 2943	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	V90 / 8 / 4	V90 / 8 / 4
Fuel management	-		MEVD172	MEVD172	MSD85	MSD85	MSD85	MSD85
Displacement, acc. to ECE Reg.	cm ³ / inch ³		2979	2979	4395	4395	4395	4395
Stroke	mm / inch		89,6 / 3,5	89,6 / 3,5	88,3 / 3,5	88,3 / 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	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	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	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	10,0 / ROZ 91-98	10,0 / ROZ 91-98
Transmission type	-		K	8HP45	G	8HP70	8HP70	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	4,714 / 3,143 / 2,106 / 1,667	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	1,285 / 1,000 / 0,839 / 0,667	1,285 / 1,000 / 0,839 / 0,667
Reverse gear ratio	-		3.727	3.295	4.607	3.317	3.317	3.317
Final drive ratio	-		3.231	3.077	3.077	2.813	2.813	2.813
Steering type / Steering ratio	-		Rack&Pinion / 17,1	Rack&Pinion / 17,1	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	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	disc ventil. /370x24/14,6x0,9	disc ventil. /370x24/14,6x0,9
Drag c _d	-		0,29	0,29	0,3	0,3	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	0,68 / 7,6	0,68 / 7,6
Top speed	km/h / mph							
Acceleration 0-60mph	s		5,7	5,7	5,0	5,0	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	10,9	10,9
Output per inch ³	hp/inch ³		0,10	0,10	0,10	0,10	0,10	0,10
Fuel consumption acc. EPA label city/hw/comb	mpg		TBA	TBA	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	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	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	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	8J x 18 LM	8J x 18 LM
Wheel offset front / rear	mm // inch		30 / 30	30 / 30	30 / 30	30 / 30	30 / 30	30 / 30
Radiator s. incl.heater / Engine oil ¹⁾	ltr / 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	11,4/8,5 / 12/9	11,4/8,5 / 12/9
Transmiss. fluid / Final drive fluid	ltr / quarts		Life-time	Life-time	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.	90 / luggage comp.	90 / luggage comp.
Alternator output rating	A / W		170 / 2380	170 / 2380	210 / 2940	210 / 2940	210 / 2940	210 / 2940
Width including mirrors	mm / inch		2094 / 82,4	2094 / 82,4	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	141 / 5,6	141 / 5,6
Front seat volume	ft ³		56,5	56,5	56,5	56,5	56,5	56,5
Rear seat volume	ft ³		45	45	45	45	45	45
Luggage volume	ft ³		14	14	14	14	14	14
Eff. Head room, front with Sunroof	mm / inch		992 / 39,1	992 / 39,1	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	965 / 38,0	965 / 38,0
Luggage volume (SAE luggage set)	ft ³		14	14	14	14	14	14