

BMW
U.S. Media Information

Technical Data
2014 BMW 5 Series Gran Turismo

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		535i Gran Turismo	550i Gran Turismo	535i xDrive Gran Turismo	550i xDrive Gran Turismo
Engine type		N55B30M0	N63B44O1	N55B30M0	N63B44O1
Transmission type		automatic transmission 8	automatic transmission 8	automatic transmission 8	automatic transmission 8
No of Doors / Seats		4 / 5	4 / 5	4 / 5	4 / 5
Veh. length	mm / inch	5006 / 197.1	5006 / 197.1	5006 / 197.1	5006 / 197.1
Veh. width	mm / inch	1901 / 74.8	1901 / 74.8	1901 / 74.8	1901 / 74.8
Veh. height	mm / inch	1564 / 61.6	1564 / 61.6	1564 / 61.6	1564 / 61.6
Wheelbase	mm / inch	3070 / 120.9	3070 / 120.9	3070 / 120.9	3070 / 120.9
Turning circle	m / ft	12.2 / 40	12.2 / 40	12.5 / 41	12.5 / 41
Ground clearance	mm / inch	145 / 5.7	145 / 5.7	145 / 5.7	145 / 5.7
Shoulder width front	mm / inch	1506 / 59.3	1506 / 59.3	1506 / 59.3	1506 / 59.3
Shoulder width rear	mm / inch	1467 / 57.8	1467 / 57.8	1467 / 57.8	1467 / 57.8
Legroom front	mm / inch	1030 / 40.6	1030 / 40.6	1030 / 40.6	1030 / 40.6
Legroom rear	mm / inch	1014 / 39.9	1014 / 39.9	1014 / 39.9	1014 / 39.9
Max. headroom front	mm / inch	1051 / 41.4	1051 / 41.4	1051 / 41.4	1051 / 41.4
Max. headroom rear	mm / inch	985 / 38.8	985 / 38.8	985 / 38.8	985 / 38.8
Luggage comp. capacity	m³ / ft³	0.500-1.700 / 17.7- 60	0.500-1.700 / 17.7- 60	0.500-1.700 / 17.7- 60	0.500-1.700 / 17.7- 60
Fuel tank capacity	liter / gal	70 / 18.5	70 / 18.5	70 / 18.5	70 / 18.5
Curb weight (US)	Kg / lbs	2059 / 4540	2238 / 4935	2130 / 4695	2254 / 4970
Weight distribution (empty car)	F/R	47 / 53	48.2 / 51.8	48.3 / 51.7	49.7 / 50.3
Gross veh. weight	Kg / lbs	2585 / 5700	2681 / 5910	2640 / 5820	2731 / 6020
Payload	Kg / lbs	451 / 995	431 / 950	431 / 950	420 / 925
Axle load limit front	Kg / lbs	1166 / 2570	1245 / 2745	1200 / 2645	1290 / 2845
Axle load limit rear	Kg / lbs	1499 / 3305	1499 / 3305	1499 / 3305	1499 / 3305
Engine type / Cylinders / Valves p.cyl.		in line, VANOS, Valvetronic / 6 / 4	V 90 ° VANOS, Valvetronic / 8 / 4	in line, VANOS, Valvetronic / 6 / 4	V 90 ° VANOS, Valvetronic / 8 / 4
Fuel management		MEVD 17.2.6	MEVD 17.2.H	MEVD 17.2.6	MEVD 17.2.H
Induction		Single Twin Scroll Turbocharger	Twin Turbochargers	Single Twin Scroll Turbocharger	Twin Turbochargers
Injection type / Injection technique		High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection
Displacement	cm³ / inch³	2979 / 182	4395 / 268	2979 / 182	4395 / 268
Stroke	mm / inch	89.6 / 3.5	88.3 / 3.5	89.6 / 3.5	88.3 / 3.5
Bore	mm / inch	84 / 3.3	89 / 3.5	84 / 3.3	89 / 3.5
Engine power / at rpm	hp @ rpm	300 / 5800-6000	445 / 5500-6000	300 / 5800-6000	445 / 5500-6000
Engine torque / at rpm	ft lbs (Nm) @ rpm	300 (400) / 1300-5000	480 (650) / 2000-4500	300 (400) / 1300-5000	480 (650) / 2000-4500
Compression rate / Fuel type (recomm.)	1 /	10.2 / Premium	10 / Premium	10.2 / Premium	10 / Premium
Transmission type		8HP45	8HP70	8HP45	8HP70
Gear ratios 1st gear		4.714	4.714	4.714	4.714
2nd gear		3.143	3.143	3.143	3.143
3rd gear		2.106	2.106	2.106	2.106
4th gear		1.667	1.667	1.667	1.667
5th gear		1.285	1.285	1.285	1.285
6th gear		1	1	1	1
7th gear		0.839	0.839	0.839	0.839
8th gear		0.667	0.667	0.667	0.667
Reverse gear		3.295	3.317	3.295	3.317
Final drive		3.08	2.81	3.08	2.81
Steering type / Steering transmission, overdr	1 : 1	rack-and-pinion / 19.1	rack-and-pinion / 19.1	rack-and-pinion / 19.1	rack-and-pinion / 19.1
Front brake // Diameter	inch	disc ventilated // 13.7	disc ventilated // 14.7	disc ventilated // 13.7	disc ventilated // 14.7
Rear brake // Diameter	inch	disc ventilated // 13.6	disc ventilated // 14.6	disc ventilated // 13.6	disc ventilated // 14.6
Cd // Frontal	// m² / ft²	0.3 // 2.57 / 27.67	0.31 // 2.57 / 27.67	0.31 // 2.57 / 27.67	0.32 // 2.57 / 27.67
Top speed	Kmh / mph	210 / 130	210 / 130	210 / 130	210 / 130
Top speed optional	Kmh / mph	250 / 155	250 / 155	250 / 155	250 / 155
Acceleration 0-60 mph	s	6	5	6	4.7
Acceleration 0-100Kmh	s	6.3	5.2	6.3	5
Acceleration 0-1000m	s	26.4	23.8	26.5	23.7
Fuel cons. city (official EPA)	mpg	20	16	18	16
Fuel cons. highway (official EPA)	mpg	30	24	26	24
Fuel cons. combined (official EPA)	mpg	24	19	21	19
Range	miles	444	352	389	352
Front tires		245/50 R18 100Y RSC	245/45 R19 98Y RSC	245/50 R18 100Y RSC	245/45 R19 98Y RSC
Rear tires		245/50 R18 100Y RSC	275/40 R19 101Y RSC	245/50 R18 100Y RSC	275/40 R19 101Y RSC
Front wheels		8J x 18 LM	8.5J x 19 LM	8J x 18 LM	8.5 x 19 LM
Rear wheels		8J x 18 LM	9.5J x 19 LM	8J x 18 LM	9.5 x 19 LM
Track front	mm / inch	1611 / 63.4	1621 / 63.8	1611 / 63.4	1621 / 63.8
Track rear	mm / inch	1654 / 65.1	1636 / 64.4	1654 / 65.1	1636 / 64.4