

Technical Data

2015 BMW 6 Series Convertible

		640i Convertible	640i xDrive Convertible	650i Convertible	650i xDrive Convertible
Engine type		N55B3000	N55B3000	N63B4401	N63B4401
Transmission type		automatic transmission 8	automatic transmission 8	automatic transmission 8	automatic transmission 8
No of Doors / Seats		2 / 4	2 / 4	2 / 4	2 / 4
Veh. length	mm / inch	4896 / 192.8	4896 / 192.8	4896 / 192.8	4896 / 192.8
Veh. width	mm / inch	1894 / 74.6	1894 / 74.6	1894 / 74.6	1894 / 74.6
Veh. height	mm / inch	1365 / 53.7	1365 / 53.7	1365 / 53.7	1365 / 53.7
Wheelbase	mm / inch	2855 / 112.4	2855 / 112.4	2855 / 112.4	2855 / 112.4
Turning circle	m / ft	11.7 / 38.4	11.7 / 38.4	11.7 / 38.4	11.7 / 38.4
Ground clearance	mm / inch	123 / 4.8	123 / 4.8	123 / 4.8	123 / 4.8
Shoulder width front	mm / inch	1445 / 56.9	1445 / 56.9	1445 / 56.9	1445 / 56.9
Shoulder width rear	mm / inch	1260 / 49.6	1260 / 49.6	1260 / 49.6	1260 / 49.6
Legroom front	mm / inch	1069 / 42.1	1069 / 42.1	1069 / 42.1	1069 / 42.1
Legroom rear	mm / inch	774 / 30.5	774 / 30.5	774 / 30.5	774 / 30.5
Max. headroom front	mm / inch	1023 / 40.3	1023 / 40.3	1023 / 40.3	1023 / 40.3
Max. headroom rear	mm / inch	927 / 36.5	927 / 36.5	927 / 36.5	927 / 36.5
Luggage comp. capacity	m³ / ft³	0,300-0,350 / 10,6-12,4	0,300-0,350 / 10,6-12,4	0,300-0,350 / 10,6-12,4	0,300-0,350 / 10,6-12,4
Fuel tank capacity	liter / gal	70 / 18.5	70 / 18.5	70 / 18.5	70 / 18.5
Curb weight (US)	Kg / lbs	1930 / 4255	2021 / 4455	2050 / 4520	2109 / 4650
Weight distribution (empty car)	Front %/ Rear %	50.8 / 49.2	52.2 / 47.8	50.8 / 49.2	52.2 / 47.8
Gross veh. weight	Kg / lbs	2320 / 5115	2409 / 5310	2461 / 5425	2479 / 5465
Payload	Kg / lbs	350 / 772	349 / 770	349 / 770	340 / 750
Axle load limit front	Kg / lbs	1110 / 2447	1191 / 2625	1225 / 2700	1250 / 2755
Axle load limit rear	Kg / lbs	1300 / 2866	1311 / 2890	1320 / 2910	1349 / 2975
Engine type / Cylinders / Valves p.cyl.		in line, VANOS, Valvetronic / 6 / 4	in line, VANOS, Valvetronic / 6 / 4	V 90 ° VANOS, Valvetronic / 8 / 4	V 90 ° VANOS, Valvetronic / 8 / 4
Engine management		MEVD 17.2.6	MEVD 17.2.6	MEVD 17.2.H	MEVD 17.2.H
Induction type		Single Twin Scroll Turbo	Single Twin Scroll Turbo	Twin Turbo	Twin Turbo
Injection type		High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection
Displacement	cm³ / inch³	2979 / 182	2979 / 182	4395 / 268	4395 / 268
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
Engine power / at rpm	hp @ rpm	315 / 5800-6000	315 / 5800-6000	445 / 5500-6000	445 / 5500-6000
Engine torque / at rpm	ft lbs (Nm) @ rpm	330 (450) / 1400-4500	330 (450) / 1400-4500	480 (650) / 2000-4500	480 (650) / 2000-4500
Compression rate / Fuel type (recomm.)	1 /	10.2 / Premium	10.2 / Premium	10 / Premium	10 / Premium
1 type of transmission		8HP45	8HP45	8HP70	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	3.295	3.317	3.317
Final drive		3.231	3.231	2.813	2.813
Steering type / Steering transmission, overg.		rack-and-pinion / 17.2	rack-and-pinion / 18.7	rack-and-pinion / 17.2	rack-and-pinion / 18.7
Front brake // Diameter		disc ventilated // 13.7	disc ventilated // 13.7	disc ventilated // 14.7	disc ventilated // 14.7
Rear brake // Diameter		disc ventilated // 13.6	disc ventilated // 13.6	disc ventilated // 13.6	disc ventilated // 13.6
Cd // Frontal	l / m² / ft²	0.32 // 2.23 / 24.01	0.31 // 2.23 / 24.01	0.32 // 2.23 / 24.01	0.32 // 2.23 / 24.01
Top speed	Kmh / mph	210 / 130	210 / 130	250 / 155	250 / 155
Top speed optional	Kmh / mph	250 / 155	250 / 155		
Acceleration 0-60 mph	s	5.4	5.4	4.5	4.4
Acceleration 0-100Kmh	s	5.7	5.5	4.7	4.6
Acceleration 0-1000m	s	25.4	25.5	23.2	23.3
Fuel cons. city (official EPA)	mpg	20	20	20	16
Fuel cons. highway (official EPA)	mpg	31	29	17	24
Fuel cons. combined (official EPA)	mpg	24	23	25	19
Range	miles	444	426	370	352
Front tires		245/45 R18 100V RSC	245/45 R18 100V RSC	245/40 R19 98 V XL RSC	245/40 R19 98 V XL RSC
Rear tires		245/45 R18 100V RSC	245/45 R18 100V RSC	245/40 R19 98 V XL RSC	245/40 R19 98 V XL RSC
Front wheels		8J x 18 LM	8J x 18 LM	8,5J x 19 LM	8,5J x 19 LM
Rear wheels		8J x 18 LM	8J x 18 LM	8,5J x 19 LM	8,5J x 19 LM
Track front	mm / inch	1600 / 63	1600 / 63	1594 / 62.8	1594 / 62.8
Track rear	mm / inch	1665 / 65.6	1665 / 65.6	1651 / 65	1651 / 65