

Technical Data

2015 BMW4 Series Convertible

		428i Convertible	435i Convertible	428i xDrive Convertible
Engine type		N20B2000	N55B30M0	N20B2000
Transmission type		automatic transmission 8	automatic transmission 8	automatic transmission 8
No of Doors / Seats	/	2 / 4	2 / 4	2 / 4
Veh. length	mm / inch	4639 / 182.6	4639 / 182.6	4639 / 182.6
Veh. width	mm / inch	1825 / 71.9	1825 / 71.9	1825 / 71.9
Veh. height	mm / inch	1384 / 54.5	1384 / 54.5	1399 / 55.1
Wheelbase	mm / inch	2810 / 110.6	2810 / 110.6	2810 / 110.6
Turning circle	m / ft	11.3 / 37.1	11.3 / 37.1	11.3 / 37.1
Ground clearance	mm / inch	130 / 5.1	130 / 5.1	130 / 5.1
Shoulder width front	mm / inch	1405 / 55.3	1405 / 55.3	1405 / 55.3
Shoulder width rear	mm / inch	1265 / 49.8	1265 / 49.8	1265 / 49.8
Legroom front	mm / inch	1071 / 42.2	1071 / 42.2	1071 / 42.2
Legroom rear	mm / inch	842 / 33.1	842 / 33.1	842 / 33.1
Max. headroom front	mm / inch	1025 / 40.4	1025 / 40.4	1025 / 40.4
Max. headroom rear	mm / inch	942 / 37.1	942 / 37.1	942 / 37.1
Luggage comp. capacity	m³ / ft³	0.370-0.220 / 13.06-7.78	0.370-0.220 / 13.06-7.78	0.370-0.220 / 13.06-7.78
Fuel tank capacity	liter / gal	60 / 15.8	60 / 15.8	60 / 15.8
Curb weight (US)	Kg / lbs	1812 / 3995	1864 / 4110	1887 / 4160
Weight distribution (empty car)	Front % / Rear%	46.6 / 53.4	48.3 / 51.7	48.4 / 51.6
Gross veh. weight	Kg / lbs	2164 / 4770	2209 / 4870	2220 / 4895
Payload	Kg / lbs	308 / 680	327 / 720	308 / 680
Axle load limit front	Kg / lbs	959 / 2115	1014 / 2235	1021 / 2250
Axle load limit rear	Kg / lbs	1229 / 2710	1229 / 2710	1225 / 2700
Engine type / Cylinders / Valves p.cyl.		in line, VANOS, Valvetronic / 4 / 4	in line, VANOS, Valvetronic / 6 / 4	in line, VANOS, Valvetronic / 4 / 4
Engine management		MEVD 17.2.4	MEVD 17.2	MEVD 17.2.4
Induction type		Twin scroll turbocharger	Twin scroll turbocharger	Twin scroll turbocharger
Injection type		High precision direct injection	High precision direct injection	High precision direct injection
Displacement	cm³ / inch³	1997 / 122	2979 / 182	1997 / 122
Stroke	mm / inch	90.1 / 3.5	89.6 / 3.5	90.1 / 3.5
Bore	mm / inch	84 / 3.3	84 / 3.3	84 / 3.3
Engine power / at rpm	hp / RPM	240 / 5000-6000	300 / 5800-6000	240 / 5000-6000
Engine torque / at rpm	ft lbs (Nm) / RPM	255 (350) / 1250-4800	300 (400) / 1300-5000	255 (350) / 1250-4800
Compression rate / Fuel type (recomm.)	1 /	10 / Premium	10.2 / Premium	10 / Premium
Type of Transmission		8HP45	8HP45	8HP45
Gear ratios 1st gear		4.714	4.714	4.714
2nd gear		3.143	3.143	3.143
3rd gear		2.106	2.106	2.106
4th gear		1.667	1.667	1.667
5th gear		1.285	1.285	1.285
6th gear		1	1	1
7th gear		0.839	0.839	0.839
8th gear		0.667	0.667	0.667
Reverse gear		3.295	3.295	3.295
Final drive		3.154	3.154	3.154
Steering type / Steering ratio	/ :1	rack-and-pinion / 15	rack-and-pinion / 15	rack-and-pinion / 15.2
Front brake // Diameter	inch	disc ventilated / 13	disc ventilated / 13.4	disc ventilated / 13
Rear brake // Diameter	inch	disc ventilated / 11.8	disc ventilated / 13	disc ventilated / 11.8
Cd // Frontal	// m² / ft²	0.30 // 2.16 / 23.25	0.31 // 2.16 / 23.25	0.31 // 2.16 / 23.25
Top speed	Km/h / mph	210 / 130	210 / 130	210 / 130
Top speed optional	Km/h / mph	250 / 155	250 / 155	250 / 155
Acceleration 0-60 mph	s	6.2	5.4	6.2
Acceleration 0-100 Km/h	s	6.5	5.7	6.5
Acceleration 0-1000m	s	26.7	25.1	26.7
Fuel cons. city (official EPA)	mpg	23	20	21
Fuel cons. highway (official EPA)	mpg	34	30	33
Fuel cons. combined (official EPA)	mpg	27	24	25
Range	miles	427	379	395
Front tires		225/50 R17 94W RSC	225/45 R18 91W RSC	225/50 R17 94W RSC
Rear tires		225/50 R17 94W RSC	225/45 R18 91W RSC	225/50 R17 94W RSC
Front wheels		7.5J x 17 LM	8J x 18 LM	7.5J x 17 LM
Rear wheels		7.5J x 17 LM	8J x 18 LM	7.5J x 17 LM
Track front	mm / inch	1545 / 60.8	1545 / 60.8	1545 / 60.8
Track rear	mm / inch	1594 / 62.8	1594 / 62.8	1594 / 62.8