

Technical Data

2015 BMW2 Series Convertible

		228i Convertible	228i xDrive Convertible	M235i Convertible	M235i Convertible
Engine type		N20B2000	N20B2000	N55B3000	N55B3000
Transmission type		automatic transmission 8	automatic transmission 8	manual transmission 6	automatic transmission 8
No of Doors / Seats		2 / 4	2 / 4	2 / 4	2 / 4
Veh. length	mm / inch	4437 / 174.7	4437 / 174.7	4469 / 175.9	4469 / 175.9
Veh. width	mm / inch	1774 / 69.8	1774 / 69.8	1774 / 69.8	1774 / 69.8
Veh. height	mm / inch	1413 / 55.6	1413 / 55.6	1403 / 55.2	1403 / 55.2
Wheelbase	mm / inch	2690 / 105.9	2690 / 105.9	2690 / 105.9	2690 / 105.9
Turning circle	m / ft	10.9 / 35.8	10.9 / 35.8	10.9 / 35.8	10.9 / 35.8
Ground clearance	mm / inch	140 / 5.5	140 / 5.5	130 / 5.1	130 / 5.1
Shoulder width front	mm / inch	1383 / 54.4	1383 / 54.4	1383 / 54.4	1383 / 54.4
Shoulder width rear	mm / inch	1072 / 42.2	1072 / 42.2	1072 / 42.2	1072 / 42.2
Legroom front	mm / inch	1055 / 41.5	1055 / 41.5	1055 / 41.5	1055 / 41.5
Legroom rear	mm / inch	807 / 31.8	807 / 31.8	807 / 31.8	807 / 31.8
Max. headroom front	mm / inch	1028 / 40.5	1028 / 40.5	1028 / 40.5	1028 / 40.5
Max. headroom rear	mm / inch	940 / 37	940 / 37	940 / 37	940 / 37
Luggage comp. capacity	m³ / ft³	0,390 / 13.8	0,390 / 13.8	0,390 / 13.8	0,390 / 13.8
Fuel tank capacity	liter / gal	52 / 13.7	52 / 13.7	52 / 13.7	52 / 13.7
Curb weight (US)	Kg / lbs	1644 / 3625	1708 / 3765	1690 / 3725	1708 / 3765
Weight distribution (empty car)	Front % / Rear%	48.4 / 51.6	49.4 / 50.6	50.6	50.1
Gross veh. weight	Kg / lbs	1994 / 4395	2059 / 4540	2030 / 4475	2050 / 4520
Payload	Kg / lbs	308 / 680	308 / 680	308 / 680	308 / 680
Axle load limit front	Kg / lbs	900 / 1985	941 / 2075	962 / 2120	962 / 2120
Axle load limit rear	Kg / lbs	1132 / 2495	1145 / 2525	1145 / 2525	1145 / 2525
Engine type / Cylinders / Valves p.cyl.		in line / 4 / 4	in line / 4 / 4	in line, VANOS, Valvetronic / 6 / 4	in line, VANOS, Valvetronic / 6 / 4
Engine management		MEVD 17.2.P	MEVD 17.2.P	MEVD 17.2	MEVD 17.2
Induction type		Twin scroll turbocharger	Twin scroll turbocharger	Twin scroll turbocharger	Twin scroll turbocharger
Injection type		High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection
Displacement	cm³ / inch³	1997 / 122	1997 / 122	2979 / 182	2979 / 182
Stroke	mm / inch	90.1 / 3.5	90.1 / 3.5	89.6 / 3.5	89.6 / 3.5
Bore	mm / inch	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3
Engine power / at rpm	hp / RPM	240 / 5000-6500	240 / 5000-6500	320 / 5800-6000	320 / 5800-6000
Engine torque / at rpm	ft. lbs (Nm) / RPM	255 (350) / 1450-4800	255 (350) / 1450-4800	330 (450) / 1300-4500	330 (450) / 1300-4500
Compression rate / Fuel type (recomm.)	- /	10 / Premium	10 / Premium	10.2 / Premium	10.2 / Premium
Type of Transmission		8HP45	8HP45	K	8HP45
Gear ratios 1st gear		4.714	4.714	4.11	4.714
2nd gear		3.143	3.143	2.315	3.143
3rd gear		2.106	2.106	1.542	2.106
4th gear		1.667	1.667	1.179	1.667
5th gear		1.285	1.285	1	1.285
6th gear		1	1	0.846	1
7th gear		0.839	0.839		0.839
8th gear		0.667	0.667		0.667
Reverse gear		3.295	3.295	3.727	3.295
Final drive		3.077	3.077	3.077	3.077
Steering type / Steering ratio	- / :1	rack-and-pinion / 15	rack-and-pinion / 15	rack-and-pinion / 14.5	rack-and-pinion / 14.5
Front brake // Diameter	inch	disc ventilated / 12.3	disc ventilated / 12.3	disc ventilated / 13.4	disc ventilated / 13.4
Rear brake // Diameter	inch	disc ventilated / 11.4	disc ventilated / 11.4	disc ventilated / 11.4	disc ventilated / 11.4
Cd // Frontal	// m² / ft²	0.3 // 2.14 / 23.04	0.30 // 2.16 / 23.25	0.35 // 2.13 / 22.93	0.35 // 2.13 / 22.93
Top speed	Km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130
Top speed optional	Km/h / mph	250 / 155	250 / 155	250 / 155	250 / 155
Acceleration 0-60 mph	s	5.7	5.6	5.0	4.8
Acceleration 0-100 Km/h	s	6.0	5.9	5.2	5
Fuel consumption city EPA	mpg	23	22	19	21
Fuel consumption highway EPA	mpg	34	32	26	32
Fuel consumption combined EPA	mpg	27	25	22	25
Range	miles	370	343	301	343
Front tires		205/50 R17 89V RSC	205/50 R17 89V RSC	225/40 ZR18 88Y	225/40 ZR18 88Y
Rear tires		205/50 R17 89V RSC	205/50 R17 89V RSC	245/35 ZR18 92Y XL	245/35 ZR18 92Y XL
Front wheels		7 J x 17	7 J x 17	7.5 J x 18	7.5 J x 18
Rear wheels		7 J x 17	7 J x 17	8 J x 18	8 J x 18
Track front	mm / inch	1521 / 59.9	1521 / 59.9	1516 / 59.7	1516 / 59.7
Track rear	mm / inch	1556 / 61.3	1556 / 61.3	1534 / 60.4	1534 / 60.4