

Technical data
4 Series Convertible [F33]

BMW UK

March 2014

- = optionally available
- = standard equipment
- = not available

		428i Convertible	428i Convertible	435i Convertible	435i Convertible
Engine type		N20B2000	N20B2000	N55B30M0	N55B30M0
Gearbox		manual transmission 6	automatic transmission 8	manual transmission 6	automatic transmission 8
No of Doors / Seats	/	2 / 4	2 / 4	2 / 4	2 / 4
Veh. length / width / height (*incl. antenna)	mm / mm / mm	4638 / 1825 / 1384 (*1384)	4638 / 1825 / 1384 (*1384)	4638 / 1825 / 1384 (*1384)	4638 / 1825 / 1384 (*1384)
Width inc. mirrors (driver/passenger)	mm	2017 (1020 / 997)	2017 (1020 / 997)	2017 (1020 / 997)	2017 (1020 / 997)
Wheelbase / Turning circle	mm / m	2810 / 11.3	2810 / 11.3	2810 / 11.3	2810 / 11.3
Track front / rear	mm / mm	1545 / 1594	1545 / 1594	1545 / 1594	1545 / 1594
Overhang front / rear	mm / mm	787 / 1041	787 / 1041	787 / 1041	787 / 1041
Ground clearance	mm	130	130	130	130
Shoulder width front / rear	mm / mm	1405 / 1265	1405 / 1265	1405 / 1265	1405 / 1265
Elbow width front / rear	mm / mm	1466 / 1321	1466 / 1321	1466 / 1321	1466 / 1321
Max. headroom front / rear	mm / mm	1025 / 942	1025 / 942	1025 / 942	1025 / 942
Luggage volume	litre	0,370-0,220	0,370-0,220	0,370-0,220	0,370-0,220
Fuel tank capacity	litre	60	60	60	60
Curb weight - DIN / EU	Kg / Kg	1680 / 1755	1700 / 1775	1740 / 1815	1750 / 1825
Weight distribution (empty car)	%	54	53.4	52.1	51.8
Gross veh. weight / Payload	Kg / Kg	2140 / 460	2160 / 460	2200 / 460	2210 / 460
Axle load limit front / rear	Kg / Kg	960 / 1230	960 / 1230	1015 / 1230	1015 / 1230
Trailer load braked 12% / 8%	Kg / Kg	1600 / 1700	1600 / 1700	1700 / 1800	1700 / 1800
Trailer load unbraked / Trailer nose weight	Kg / Kg	745 / 75	745 / 75	750 / 75	750 / 75
Gross veh. weight / w.trailer	Kg	2215	2235	2275	2285
Rear axle load w. trailer	Kg	1345	1345	1345	1345
Roof load	Kg	/	/	/	/
Engine type / Cylinders / Valves per cylinder	/ / /	in line / 4 / 4 MEVD 17.2.P	in line / 4 / 4 MEVD 17.2.P	in line / 6 / 4 MEVD 17.2.G	in line / 6 / 4 MEVD 17.2.G
Fuel management	/	TwinPower Turbo / TwinScroll Turbo Technology	TwinPower Turbo / TwinScroll Turbo Technology	TwinPower Turbo / TwinScroll Turbo Technology	TwinPower Turbo / TwinScroll Turbo Technology
Charging type / Charging technique	/	High precision direct injection / Di2,VVT	High precision direct injection / Di2,VVT	High precision direct injection / Di2,VVT	High precision direct injection / Di2,VVT
Injection type / Injection technique	/	1997	1997	2979	2979
Displacement	cm³	90.1 / 84	90.1 / 84	89.6 / 84	89.6 / 84
Stroke / Bore	mm / mm	180 (245) / 5000-6500	180 (245) / 5000-6500	225 (306) / 5800-6000	225 (306) / 5800-6000
Engine power / at rpm	KW (hp) / rpm	350 / 1250-4800	350 / 1250-4800	400 / 1200-5000	400 / 1200-5000
Engine torque / at rpm	Nm / rpm	10 / ROZ91-98 (ROZ95)	10 / ROZ91-98 (ROZ95)	10.2 / ROZ91-98 (ROZ95)	10.2 / ROZ91-98 (ROZ95)
Compression rate / Fuel type (recomm.)	:1 /	EU6	EU6	EU6	EU6
Emission classification		I-350- Turbo	8-HP45	K weit	8-HP45
Gearbox name	/ / /	3.683 / 2.062 / 1.313 / 1	4.714 / 3.143 / 2.106 / 1.667	4.11 / 2.248 / 1.403 / 1	4.714 / 3.143 / 2.106 / 1.667
1st / 2nd / 3rd / 4th	/ / /	0.809 / 0.677 / /	1.285 / 1 / 0.839 / 0.667	0.802 / 0.659 / /	1.285 / 1 / 0.839 / 0.667
5th / 6th / 7th / 8th	/ / /	3.348	3.295	3.727	3.295
Reverse gear		3.909	3.154	3.231	3.154
Final drive		rack-and-pinion (EPS) 1:	rack-and-pinion (EPS) 1:	rack-and-pinion (EPS) 1:	rack-and-pinion (EPS) 1:
Steering type / ratio	/:1	disc ventilated	disc ventilated	disc ventilated	disc ventilated
Front brake		disc ventilated	disc ventilated	disc ventilated	disc ventilated
Rear brake		disc ventilated	disc ventilated	disc ventilated	disc ventilated
Drag C _d / A / C _x x A	/ m² / m²	0.3 / 2.16 / 0.65	0.3 / 2.16 / 0.65	0.31 / 2.16 / 0.67	0.31 / 2.16 / 0.67
Top speed	mph (km/h)	155 (250)	155 (250)	155 (250)	155 (250)
0-62mph	s	6.4	6.4	5.6	5.5
0-1000m	s	26.2	26.5	24.9	24.9
80 - 120Kmh (4.) / 80-120Kmh (5.)	s / s	6.1 / 7.9	/	5.6 / 6.8	/
Output per litre	KW/dm³	90.1	90.1	75.5	75.5
Weight ratio	Kg/KW	9.3	9.4	7.7	7.8
Urban fuel consumption - EU	mpg (l/100km)	32.1 (8.8)	32.8 (8.6)	24.8 (11.4)	26.2 (10.8)
Alloy wheels: 2A5, 2DW, 2DY, 2H2, 2P5		31.4 (9.0)	32.5 (8.7)	24.1 (11.7)	25.4 (11.1)
Alloy wheels: 2A4, 2FM, 2G7, 2L1, 2PL, 2PM, 2T1					
Extra-urban fuel consumption - EU	mpg (l/100km)	49.6 (5.7)	51.4 (5.5)	45.6 (6.2)	50.4 (5.6)
Alloy wheels: 2A5, 2DW, 2DY, 2H2, 2P5		48.7 (5.8)	51.4 (5.5)	44.1 (6.4)	49.6 (5.7)
Alloy wheels: 2A4, 2FM, 2G7, 2L1, 2PL, 2PM, 2T1					
Combined fuel consumption - EU	mpg (l/100km)	41.5 (6.8)	42.8 (6.6)	34.9 (8.1)	37.7 (7.5)
Alloy wheels: 2A5, 2DW, 2DY, 2H2, 2P5		40.4 (7.0)	42.2 (6.7)	33.6 (8.4)	36.7 (7.7)
Alloy wheels: 2A4, 2FM, 2G7, 2L1, 2PL, 2PM, 2T1					
Combined CO ₂ emissions - EU	g/km	159	154	190	176
Alloy wheels: 2A5, 2DW, 2DY, 2H2, 2P5		163	157	195	180
Alloy wheels: 2A4, 2FM, 2G7, 2L1, 2PL, 2PM, 2T1					
Wheel offset front / rear	mm / mm	37 / 37	37 / 37	37 / 37	37 / 37
Radiator incl. Heater / Engine oil - exchange quantity	litre / litre	8.2 / 5	9.1 / 5	6.7 / 6.5	7.2 / 6.5
Transmission fluid		permanent	permanent	permanent	permanent
Battery / Battery position	Ah /	90 / luggage compartement	90 / luggage compartement	90 / luggage compartement	90 / luggage compartement
Alternator	A / W	170 / 2380	170 / 2380	210 / 2940	210 / 2940
Auto Start-Stop		●	●	●	●
Brake Energy Regeneration		●	●	●	●
ECO PRO mode		●	●	●	●
Electric Power Steering (EPS)		●	●	●	●
Lightweight Engineering		●	●	●	●
Optimum Shift Indicator		●	-	●	-
Reduced Rolling Resistance Tyres		●	●	●	●

Technical data
4 Series Convertible [F33]

BMW UK

March 2014

- = optionally available
- = standard equipment
- = not available

		420d Convertible	420d Convertible
Engine type		N47D2001	N47D2001
Gearbox		manual transmission 6	automatic transmission 8
No of Doors / Seats	/	2 / 4	2 / 4
Veh. length / width / height (*incl. antenna)	mm / mm / mm	4638 / 1825 / 1384 (*1384)	4638 / 1825 / 1384 (*1384)
Width incl. mirrors (driver/passenger)	mm	2017 (1020 / 997)	2017 (1020 / 997)
Wheelbase / Turning circle	mm / m	2810 / 11.3	2810 / 11.3
Track front / rear	mm / mm	1545 / 1594	1545 / 1594
Overhang front / rear	mm / mm	787 / 1041	787 / 1041
Ground clearance	mm	130	130
Shoulder width front / rear	mm / mm	1405 / 1265	1405 / 1265
Elbow width front / rear	mm / mm	1466 / 1321	1466 / 1321
Max. headroom front / rear	mm / mm	1025 / 942	1025 / 942
Luggage volume	litre	0,370-0,220	0,370-0,220
Fuel tank capacity		57	57
Curb weight - DIN / EU	Kg / Kg	1680 / 1755	1690 / 1765
Weight distribution (empty car)	%	53.7	53.1
Gross veh. weight / Payload	Kg / Kg	2150 / 470	2160 / 470
Axle load limit front / rear	Kg / Kg	965 / 1230	965 / 1230
Trailer load braked 12% / 8%	Kg / Kg	1600 / 1800	1600 / 1800
Trailer load unbraked / Trailer nose weight	Kg / Kg	745 / 75	745 / 75
Gross veh. weight / w.trailer	Kg	2225	2235
Rear axle load w. trailer	Kg	1345	1345
Roof load	Kg		
Engine type / Cylinders / Valves per cylinder	/ / /	in line / 4 / 4 DDE 7.01	in line / 4 / 4 DDE 7.01
Fuel management			
Charging Type / Charging Technique	/	VNT (Variable geometry turbo) / Variable Geometry Turbo Technology	VNT (Variable geometry turbo) / Variable Geometry Turbo Technology
Injection type / Injection technique	/	Common rail direct injection / CRS 2-18	Common rail direct injection / CRS 2-18
Displacement	cm³	1995	1995
Stroke / Bore	mm / mm	90 / 84	90 / 84
Engine power / at rpm	KW (hp) / rpm	135 (184) / 4000	135 (184) / 4000
Engine torque / at rpm	Nm / rpm	380 / 1750-2750	380 / 1750-2750
Compression rate / Fuel type (recomm.)	: /	16.5 / Diesel (Diesel)	16.5 / Diesel (Diesel)
Emission classification		EU6	EU6
Gearbox name		K weit	8HP45
1st / 2nd / 3rd / 4th	/ / /	4.11 / 2.248 / 1.403 / 1	4.714 / 3.143 / 2.106 / 1.667
5th / 6th / 7th / 8th	/ / /	0.802 / 0.659 / /	1.285 / 1 / 0.839 / 0.667
Reverse gear		3.727	3.295
Final drive		3.385	2.813
Steering type / ratio	/ :1	rack-and-pinion (EPS) 1.5	rack-and-pinion (EPS) 1.5
Front brake		disc ventilated	disc ventilated
Rear brake		disc ventilated	disc ventilated
Drag C _d / A / C _w , xA	/ m² / m²	0.28 / 2.16 / 0.6	0.28 / 2.16 / 0.6
Top speed	mph (km/h)	146 (235)	142 (228)
0-62mph	s	8.2	8.2
0-1000m	s	28.9	28.9
80 - 120Kmh (4.) / 80-120Kmh (5.)	s / s	6.5 / 8.3	/
Output per litre	KW/dm³	67.7	67.7
Weight ratio	Kg/KW	12.4	12.5
Urban fuel consumption - EU	mpg (l/100km)		
Alloy wheels: 2A5, 2DW, 2DY, 2H2, 2P5		47.1 (6.0)	49.6 (5.7)
Alloy wheels: 2A4, 2FM, 2G7, 2L1, 2PL, 2PM, 2T1		45.6 (6.2)	47.9 (5.9)
Extra-urban fuel consumption - EU	mpg (l/100km)		
Alloy wheels: 2A5, 2DW, 2DY, 2H2, 2P5		62.8 (4.5)	65.7 (4.3)
Alloy wheels: 2A4, 2FM, 2G7, 2L1, 2PL, 2PM, 2T1		60.1 (4.7)	64.2 (4.4)
Combined fuel consumption - EU	mpg (l/100km)		
Alloy wheels: 2A5, 2DW, 2DY, 2H2, 2P5		55.4 (5.1)	58.9 (4.8)
Alloy wheels: 2A4, 2FM, 2G7, 2L1, 2PL, 2PM, 2T1		53.3 (5.3)	56.5 (5.0)
Combined CO ₂ emissions - EU	g/km		
Alloy wheels: 2A5, 2DW, 2DY, 2H2, 2P5		133	127
Alloy wheels: 2A4, 2FM, 2G7, 2L1, 2PL, 2PM, 2T1		138	131
Wheel offset front / rear	mm / mm	37 / 37	37 / 37
Radiator incl. Heater / Engine oil - exchange quantity	litre / litre	7 / 5.2	7 / 5.2
Transmission fluid		permanent	permanent
Battery / Battery position	Ah /	90 / luggage compartment	90 / luggage compartment
Alternator	A / W	175 / 2450	175 / 2450
Auto Start-Stop		●	●
Brake Energy Regeneration		●	●
ECO PRO mode		●	●
Electric Power Steering (EPS)		●	●
Lightweight Engineering		●	●
Optimum Shift Indicator		●	-
Reduced Rolling Resistance Tyres		●	●