

Technical Data

2014 BMW4 Series Coupe

		428i Coupe	428i Coupe	435i Coupe	435i Coupe	428i xDrive Coupe
		N20B20O0 automatic transmission 8	N20B20O0 manual transmission 6	N55B30M0 automatic transmission 8	N55B30M0 manual transmission 6	N20B20O0 automatic transmission 8
Engine type						
Transmission type						
No of Doors / Seats	/	2 / 4	2 / 4	2 / 4	2 / 4	2 / 4
Veh. length	mm / inch	4638 / 182.6	4638 / 182.6	4638 / 182.6	4638 / 182.6	4638 / 182.6
Veh. width	mm / inch	1825 / 71.9	1825 / 71.9	1825 / 71.9	1825 / 71.9	1825 / 71.9
Veh. height	mm / inch	1377 / 54.2	1377 / 54.2	1377 / 54.2	1377 / 54.2	1392 / 54.8
Wheelbase	mm / inch	2810 / 110.6	2810 / 110.6	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	11.3 / 37.1	11.8 / 38.7
Ground clearance	mm / inch	130 / 5.1	130 / 5.1	130 / 5.1	130 / 5.1	145 / 5.7
Shoulder width front	mm / inch	1405 / 55.3	1405 / 55.3	1405 / 55.3	1405 / 55.3	1405 / 55.3
Shoulder width rear	mm / inch	1313 / 51.7	1313 / 51.7	1313 / 51.7	1313 / 51.7	1313 / 51.7
Legroom front	mm / inch	1073 / 42.2	1073 / 42.2	1073 / 42.2	1073 / 42.2	1073 / 42.2
Legroom rear	mm / inch	857 / 33.7	857 / 33.7	857 / 33.7	857 / 33.7	857 / 33.7
Max. headroom front	mm / inch	1011 / 39.8	1011 / 39.8	1011 / 39.8	1011 / 39.8	1011 / 39.8
Max. headroom rear	mm / inch	917 / 36.1	917 / 36.1	917 / 36.1	917 / 36.1	917 / 36.1
Luggage comp. capacity	m³ / ft³	0.445 / 15.7	0.445 / 15.7	0.445 / 15.7	0.445 / 15.7	0.445 / 15.7
Fuel tank capacity	liter / gal	60 / 15.8	60 / 15.8	60 / 15.8	60 / 15.8	60 / 15.8
Curb weight (US)	Kg / lbs	1574 / 3470	1551 / 3420	1637 / 3610	1624 / 3580	1649 / 3635
Weight distribution (empty car)	Front % / Rear%	50.4 / 49.6	50 / 50	52.1 / 47.9	51.7 / 48.3	52.3 / 47.7
Gross veh. weight	Kg / lbs	1989 / 4385	1969 / 4340	2043 / 4505	2030 / 4475	2059 / 4540
Payload	Kg / lbs	381 / 840	381 / 840	381 / 840	381 / 840	381 / 840
Axle load limit front	Kg / lbs	919 / 2025	919 / 2025	968 / 2135	968 / 2135	980 / 2160
Axle load limit rear	Kg / lbs	1104 / 2435	1104 / 2435	1120 / 2470	1120 / 2470	1114 / 2455
Engine type / Cylinders / Valves p.cyl.		in line, VANOS, Valvetronic / 4 / 4	in line, VANOS, Valvetronic / 4 / 4	in line, VANOS, Valvetronic / 6 / 4	in line, VANOS, Valvetronic / 6 / 4	in line, VANOS, Valvetronic / 4 / 4
Engine management		MEVD 17.2.4	MEVD 17.2.4	MEVD 17.2	MEVD 17.2	MEVD 17.2.4
Induction type		Twin scroll turbocharger	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	High precision direct injection
Displacement	cm³ / inch ³	1997 / 122	1997 / 122	2979 / 182	2979 / 182	1997 / 122
Stroke	mm / inch	90.1 / 3.5	90.1 / 3.5	89.6 / 3.5	89.6 / 3.5	90.1 / 3.5
Bore	mm / inch	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3
Engine power / at rpm	hp / RPM	241 / 5000-6500	241 / 5000-6500	302 / 5800-6000	302 / 5800-6000	241 / 5000-6500
Engine torque / at rpm	ft lbs (Nm) / RPM	258 (350) / 1250-4800	258 (350) / 1250-4800	295 (400) / 1200-5000	295 (400) / 1200-5000	258 (350) / 1250-4800
Compression rate / Fuel type (recomm.)	:1 /	10 / Premium	10 / Premium	10.2 / Premium	10.2 / Premium	10 / Premium
Type of Transmission		8HP45	1 plus	8HP45	K	8HP45
Gear ratios 1st gear		4.714	3.498	4.714	4.11	4.714
2nd gear		3.143	2.005	3.143	2.315	3.143
3rd gear		2.106	1.313	2.106	1.542	2.106
4th gear		1.667	1	1.667	1.179	1.667
5th gear		1.285	0.809	1.285	1	1.285
6th gear		1	0.0701	1	0.846	1
7th gear		0.839		0.839		0.839
8th gear		0.667		0.667		0.667
Reverse gear		3.295	3.187	3.295	3.727	3.295
Final drive		3.154	3.909	3.154	3.231	3.154
Steering type / Steering ratio	/ :1					
Front brake // Diameter	inch	rack-and-pinion / 15 disc ventilated / 13	rack-and-pinion / 15 disc ventilated / 13	rack-and-pinion / 15 disc ventilated / 13.4	rack-and-pinion / 15 disc ventilated / 13.4	rack-and-pinion / 15 disc ventilated / 13
Rear brake // Diameter	inch	disc ventilated / 11.8	disc ventilated / 11.8	disc ventilated / 13	disc ventilated / 13	disc ventilated / 11.8
Cd // Frontal	// m² / ft²	0.29 // 2.16 / 23.25	0.29 // 2.16 / 23.25	0.29 // 2.16 / 23.25	0.29 // 2.16 / 23.25	0.3 // 2.16 / 23.25
Top speed	Km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130
Top speed optional	Km/h / mph	250 / 155	250 / 155	250 / 155	250 / 155	250 / 155
Acceleration 0-60 mph	s	5.7	5.7	5	5.3	5.6
Acceleration 0-100 Km/h	s	6.0	6.1	5.3	5.6	5.9
Acceleration 0-1000m	s	25.8	25.6	24.4	24.5	25.8
Fuel cons. city (preliminary EPA)	mpg	23	22	23	20	22
Fuel cons. highway (preliminary EPA)	mpg	33	34	33	30	33
Fuel cons. combined (preliminary EPA)	mpg	26	26	26	23	26
Range	miles	411	411	411	363	411
Front tires		225/50 R17 94V RSC	225/50 R17 94V RSC	225/45 R18 91V RSC	225/45 R18 91V RSC	225/50 R17 94V RSC
Rear tires		225/50 R17 94V RSC	225/50 R17 94V RSC	225/45 R18 91V RSC	225/45 R18 91V RSC	225/50 R17 94V RSC
Front wheels		7,5J x 17 LM	7,5J x 17 LM	8J x 18 LM	8J x 18 LM	7,5J x 17 LM
Rear wheels		7,5J x 17 LM	7,5J x 17 LM	8J x 18 LM	8J x 18 LM	7,5J x 17 LM
Track front	mm / inch	1545 / 60.8	1545 / 60.8	1545 / 60.8	1545 / 60.8	1544 / 60.8
Track rear	mm / inch	1594 / 62.8	1594 / 62.8	1594 / 62.8	1594 / 62.8	1590 / 62.6

Technical Data

2014 BMW4 Series Coupe

		435i xDrive Coupe	435i xDrive Coupe
Engine type		N55B30M0	N55B30M0
Transmission type		automatic transmission 8	manual transmission 6
No of Doors / Seats	/	2 / 4	2 / 4
Veh. length	mm / inch	4638 / 182.6	4638 / 182.6
Veh. width	mm / inch	1825 / 71.9	1825 / 71.9
Veh. height	mm / inch	1392 / 54.8	1392 / 54.8
Wheelbase	mm / inch	2810 / 110.6	2810 / 110.6
Turning circle	m / ft	11.8 / 38.7	11.8 / 38.7
Ground clearance	mm / inch	145 / 5.7	145 / 5.7
Shoulder width front	mm / inch	1405 / 55.3	1405 / 55.3
Shoulder width rear	mm / inch	1313 / 51.7	1313 / 51.7
Legroom front	mm / inch	1073 / 42.2	1073 / 42.2
Legroom rear	mm / inch	857 / 33.7	857 / 33.7
Max. headroom front	mm / inch	1011 / 39.8	1011 / 39.8
Max. headroom rear	mm / inch	917 / 36.1	917 / 36.1
Luggage comp. capacity	m³ / ft³	0.445 / 15.7	0.445 / 15.7
Fuel tank capacity	liter / gal	60 / 15.8	60 / 15.8
Curb weight (US)	Kg / lbs	1703 / 3755	1694 / 3735
Weight distribution (empty car)	Front % / Rear%	53.5 / 46.5	53.4 / 46.6
Gross veh. weight	Kg / lbs	2109 / 4650	2100 / 4630
Payload	Kg / lbs	381 / 840	381 / 840
Axle load limit front	Kg / lbs	1030 / 2270	1030 / 2270
Axle load limit rear	Kg / lbs	1120 / 2470	1120 / 2470
Engine type / Cylinders / Valves p.cyl.		in line, VANOS, Valvetronic / 6 / 4	in line, VANOS, Valvetronic / 6 / 4
Engine management		MEVD 17.2	MEVD 17.2
Induction type		Twin scroll turbocharger	Twin scroll turbocharger
Injection type		High precision direct injection	High precision direct injection
Displacement	cm³ / inch ³	2979 / 182	2979 / 182
Stroke	mm / inch	89.6 / 3.5	89.6 / 3.5
Bore	mm / inch	84 / 3.3	84 / 3.3
Engine power / at rpm	hp / RPM	302 / 5800-6000	302 / 5800-6000
Engine torque / at rpm	ft lbs (Nm)/ RPM	295 (400) / 1200-5000	295 (400) / 1200-5000
Compression rate / Fuel type (recomm.)	:1 /	10.2 / Premium	10.2 / Premium
Type of Transmission		8HP45	K
Gear ratios 1st gear		4.714	4.11
2nd gear		3.143	2.315
3rd gear		2.106	1.542
4th gear		1.667	1.179
5th gear		1.285	1
6th gear		1	0.846
7th gear		0.839	
8th gear		0.667	
Reverse gear		3.295	3.727
Final drive		3.154	3.231
Steering type / Steering ratio	/ :1	rack-and-pinion / 15	rack-and-pinion / 15
Front brake // Diameter	inch	disc ventilated / 13.4	disc ventilated / 13.4
Rear brake // Diameter	inch	disc ventilated / 13	disc ventilated / 13
Cd // Frontal	// m² / ft²	0.3 // 2.16 / 23.25	0.3 // 2.16 / 23.25
Top speed	Km/h / mph	210 / 130	210 / 130
Top speed optional	Km/h / mph	250 / 155	250 / 155
Acceleration 0-60 mph	s	4.7	5
Acceleration 0-100 Km/h	s	5.0	5.3
Acceleration 0-1000m	s	24.4	24.4
Fuel cons. city (preliminary EPA)	mpg	20	20
Fuel cons. highway (preliminary EPA)	mpg	30	28
Fuel cons. combined (preliminary EPA)	mpg	24	23
Range	miles	379	363
Front tires		225/45 R18 91V RSC	225/45 R18 91V RSC
Rear tires		225/45 R18 91V RSC	225/45 R18 91V RSC
Front wheels		8J x 18 LM	8J x 18 LM
Rear wheels		8J x 18 LM	8J x 18 LM
Track front	mm / inch	1545 / 60.8	1545 / 60.8
Track rear	mm / inch	1594 / 62.8	1594 / 62.8