

# Technical Data

## 2014 BMW2 Series Coupe

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		228i Coupe	228i Coupe	M235i Coupe	M235i Coupe
		N20B2000 automatic transmission 8	N20B2000 manual transmission 6	N55B3000 automatic transmission 8	N55B3000 manual transmission 6
Engine type					
Transmission type					
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	1418 / 55.8	1418 / 55.8	1408 / 55.4	1408 / 55.4
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	1357 / 53.4	1357 / 53.4	1357 / 53.4	1357 / 53.4
Legroom front	mm / inch	1055 / 41.5	1055 / 41.5	1055 / 41.5	1055 / 41.5
Legroom rear	mm / inch	837 / 33	837 / 33	837 / 33	837 / 33
Max. headroom front	mm / inch	1018 / 40.1	1018 / 40.1	1018 / 40.1	1018 / 40.1
Max. headroom rear	mm / inch	927 / 36.5	927 / 36.5	927 / 36.5	927 / 36.5
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	1497 / 3300	1479 / 3260	1603 / 3535	1590 / 3505
Weight distribution (empty car)	Front % / Rear%	50.3 / 49.7	50 / 50	52.2 / 47.8	51.9 / 48.1
Gross veh. weight	Kg / lbs	1910 / 4210	1889 / 4165	1980 / 4365	1964 / 4330
Payload	Kg / lbs	372 / 820	372 / 820	367 / 810	367 / 810
Axle load limit front	Kg / lbs	900 / 1985	900 / 1985	968 / 2135	968 / 2135
Axle load limit rear	Kg / lbs	1064 / 2345	1064 / 2345	1080 / 2380	1080 / 2380
Engine type / Cylinders / Valves p.cyl.		in line / 4 / 4 MEVD 17.2P	in line / 4 / 4 MEVD 17.2P	in line, VANOS, Valvetronic / 6 / 4 MEVD 17.2	in line, VANOS, Valvetronic / 6 / 4 MEVD 17.2
Engine management		Twin scroll turbocharger	Twin scroll turbocharger	Twin scroll turbocharger	Twin scroll turbocharger
Induction type		High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection
Injection type					
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	I	8HP45	K
Gear ratios 1st gear		4.714	3.683	4.714	4.11
2nd gear		3.143	2.062	3.143	2.315
3rd gear		2.106	1.313	2.106	1.542
4th gear		1.667	1	1.667	1.179
5th gear		1.285	0.809	1.285	1
6th gear		1	0.677	1	0.846
7th gear		0.839		0.839	
8th gear		0.667		0.667	
Reverse gear		3.295	3.348	3.295	3.727
Final drive		3.077	3.909	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	0.33 // 2.14 / 23.04	0.33 // 2.14 / 23.04
Top speed	Kmh / mph	210 / 130	210 / 130	210 / 130	210 / 130
Top speed optional	Kmh / mph	250 / 155	250 / 155	250 / 155	250 / 155
Acceleration 0-60 mph	s	5.4	6.2	4.8	4.9
Acceleration 0-100 Km/h	s	5.7	6.5	5	5.2
Acceleration 0-1000m	s	25.5	26.7	24.1	24.1
Fuel cons. city (preliminary EPA)	mpg	TBA	TBA	TBA	TBA
Fuel cons. highway (preliminary EPA)	mpg	TBA	TBA	TBA	TBA
Fuel cons. combined (preliminary EPA)	mpg	TBA	TBA	TBA	TBA
Range	miles	TBA	TBA	TBA	TBA
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		7J x 17	7J x 17	7.5 J x 18	7.5 J x 18
Rear wheels		7J x 17	7J 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