

Technical Data - Europe.

BMW 3 Series Sedan (E90).

	318i Sedan	318i Sedan	320i Sedan	320i Sedan	325i Sedan	325i Sedan	330i Sedan	330i Sedan	335i Sedan	335i Sedan
Engine platform	N46B20U1	N46B20U1	N46B20U1	N46B20U1	N52B25O0	N52B25O0	N52B30O0	N52B30O0	N54B30O0	N54B30O0
Transmission	M6	A6	M6	A6	M6	A6	M6	A6	M6	A6
No of doors / seats	- / 5	- / 5	- / 5	- / 5	- / 5	- / 5	- / 5	- / 5	- / 5	- / 5
Vehicle length / width / height - unloaded	mm 4520 / 1817 / 1421	mm 4520 / 1817 / 1421	mm 4520 / 1817 / 1421	mm 4520 / 1817 / 1421	mm 4520 / 1817 / 1421	mm 4520 / 1817 / 1421	mm 4520 / 1817 / 1421	mm 4520 / 1817 / 1421	mm 4520 / 1817 / 1421	mm 4520 / 1817 / 1421
Weelbase / Turning circle	mm / m 2760 / 11	mm / m 2760 / 11	mm / m 2760 / 11	mm / m 2760 / 11	mm / m 2760 / 11	mm / m 2760 / 11	mm / m 2760 / 11	mm / m 2760 / 11	mm / m 2760 / 11	mm / m 2760 / 11
Track front / rear	mm 1500 / 1513	mm 1500 / 1513	mm 1500 / 1513	mm 1500 / 1513	mm 1500 / 1513	mm 1500 / 1513	mm 1500 / 1513	mm 1500 / 1513	mm 1500 / 1513	mm 1500 / 1513
Overhang rear	mm 1005	mm 1005	mm 1005	mm 1005	mm 1005	mm 1005	mm 1005	mm 1005	mm 1005	mm 1005
Ground clearance -empty-	mm 144	mm 144	mm 144	mm 144	mm 144	mm 144	mm 144	mm 144	mm 144	mm 144
Shoulder width front / rear	mm 1408 / 1399	mm 1408 / 1399	mm 1408 / 1399	mm 1408 / 1399	mm 1408 / 1399	mm 1408 / 1399	mm 1408 / 1399	mm 1408 / 1399	mm 1408 / 1399	mm 1408 / 1399
Elbow width front / rear	mm 1460 / 1454	mm 1460 / 1454	mm 1460 / 1454	mm 1460 / 1454	mm 1460 / 1454	mm 1460 / 1454	mm 1460 / 1454	mm 1460 / 1454	mm 1460 / 1454	mm 1460 / 1454
Eff. head room front / rear	mm 978 / 953	mm 978 / 953	mm 978 / 953	mm 978 / 953	mm 978 / 953	mm 978 / 953	mm 978 / 953	mm 978 / 953	mm 978 / 953	mm 978 / 953
Luggage capacity	m³ 0,460	m³ 0,460	m³ 0,460	m³ 0,460	m³ 0,460	m³ 0,460	m³ 0,460	m³ 0,460	m³ 0,450	m³ 0,450
Fuel tank capacity	ltr 63	ltr 63	ltr 63	ltr 63	ltr 63	ltr 63	ltr 63	ltr 63	ltr 63	ltr 63
Curb weight -acc DIN-	kg 1360 / 1435	kg 1390 / 1465	kg 1360 / 1435	kg 1390 / 1465	kg 1430 / 1505	kg 1460 / 1535	kg 1480 / 1555	kg 1495 / 1570	kg 1535 / 1610	kg 1550 / 1625
Axle load ratio -unloaded DIN-	% 49,0	% 48,7	% 49,0	% 48,7	% 48,7	% 48,4	% 49,1	% 48,6	% 47,7	% 47,5
Gross vehicle weight / Payload	kg 1880 / 520	kg 1910 / 520	kg 1880 / 520	kg 1910 / 520	kg 1950 / 520	kg 1980 / 520	kg 2000 / 520	kg 2015 / 520	kg 2055 / 520	kg 2070 / 520
Axle load limit front / rear	kg 895 / 1050	kg 895 / 1050	kg 895 / 1050	kg 895 / 1050	kg 935 / 1080	kg 935 / 1080	kg 950 / 1100	kg 950 / 1100	kg 995 / 1110	kg 995 / 1110
Trailer load braked -12% / 8%/-	kg 1250 / 1600	kg 1400 / 1600	kg 1400 / 1600	kg 1500 / 1600	kg 1600 / 1700	kg 1600 / 1700	kg 1700 / 1800	kg 1700 / 1800	kg 1700 / 1800	kg 1700 / 1800
Trailer load unbraked / roof load	kg 695 / 75	kg 695 / 75	kg 695 / 75	kg 695 / 75	kg 745 / 75	kg 745 / 75	kg 750 / 75	kg 750 / 75	kg 750 / 75	kg 750 / 75
Engine type / cylinder / valves p cyl	- In line / 4 / 4	- In line / 4 / 4	- In line / 4 / 4	- In line / 4 / 4	- In line / 6 / 4	- In line / 6 / 4	- In line / 6 / 4	- In line / 6 / 4	- In line / 6 / 4	- In line / 6 / 4
Fuel management	- MEV9	- MEV9	- MEV9	- MEV9	- MSV70	- MSV70	- MSV70	- MSV70	- MSD80	- MSD80
Effective displacement	cm³ 1995	cm³ 1995	cm³ 1995	cm³ 1995	cm³ 2497	cm³ 2497	cm³ 2497	cm³ 2996	cm³ 2979	cm³ 2979
Stroke / Bore	mm 90 / 84	mm 90 / 84	mm 90 / 84	mm 90 / 84	mm 78,8 / 82	mm 78,8 / 82	mm 88 / 85	mm 88 / 85	mm 89,6 / 84	mm 89,6 / 84
Nom power output / Engine speed	kW(hp) / 1/min 95 (129) / 5750	kW(hp) / 1/min 95 (129) / 5750	kW(hp) / 1/min 110 (150) / 6200	kW(hp) / 1/min 110 (150) / 6200	kW(hp) / 1/min 160 (218) / 6500	kW(hp) / 1/min 160 (218) / 6500	kW(hp) / 1/min 190 (258) / 6600	kW(hp) / 1/min 190 (258) / 6600	kW(hp) / 1/min 225 (306) / 5800	kW(hp) / 1/min 225 (306) / 5800
Max torque / Engine speed	Nm / 1/min 180 / 3250	Nm / 1/min 180 / 3250	Nm / 1/min 200 / 3600	Nm / 1/min 200 / 3600	Nm / 1/min 250 / 2750	Nm / 1/min 250 / 2750	Nm / 1/min 300 / 2500	Nm / 1/min 300 / 2500	Nm / 1/min 400 / 1300	Nm / 1/min 400 / 1300
RPM at max torque -range-	1/min see 'Tor./Engine speed'	1/min see 'Tor./Engine speed'	1/min see 'Tor./Engine speed'	1/min see 'Tor./Engine speed'	1/min 2750-4250	1/min 2750-4250	1/min 2500-4000	1/min 2500-4000	1/min 1300-5000	1/min 1300-5000
Compression ratio / Fuel type	- 10,5 / ROZ91-98	- 10,5 / ROZ91-98	- 10,5 / ROZ91-98	- 10,5 / ROZ91-98	- 11 / ROZ91-98	- 11 / ROZ91-98	- 10,7 / ROZ91-98	- 10,7 / ROZ91-98	- 10,2 / ROZ95-98	- 10,2 / ROZ95-98
Exhaust emissions classification	- EU4	- EU4	- EU4	- EU4	- EU4	- EU4	- EU4	- EU4	- EU4	- EU4
Codification of reference gearbox	- GETRAG I	- ZF 6HP19	- GETRAG I	- ZF 6HP19	- GETRAG I	- ZF 6HP19	- GETRAG H	- ZF 6HP19	- ZF G	- ZF 6HP19 Tü
Gear ratio 1st/2nd/3rd	- 4,323 / 2,456 / 1,659	- 4,171 / 2,34 / 1,521	- 4,323 / 2,456 / 1,659	- 4,171 / 2,34 / 1,521	- 4,323 / 2,456 / 1,659	- 4,171 / 2,34 / 1,521	- 4,35 / 2,496 / 1,665	- 4,171 / 2,34 / 1,521	- 4,055 / 2,396 / 1,582	- 4,171 / 2,34 / 1,521
Gear ratio 4th/5th/6th/7th	- 1,23 / 1 / 0,848 / -	- 1,143 / 0,867 / 0,691 / -	- 1,23 / 1 / 0,848 / -	- 1,143 / 0,867 / 0,691 / -	- 1,23 / 1 / 0,848 / -	- 1,143 / 0,867 / 0,691 / -	- 1,23 / 1 / 0,851 / -	- 1,143 / 0,867 / 0,691 / -	- 1,192 / 1 / 0,872 / -	- 1,143 / 0,867 / 0,691 / -
Reverse ratio	- 3,938	- 3,403	- 3,938	- 3,403	- 3,938	- 3,403	- 3,926	- 3,403	- 3,677	- 3,403
Final drive ratio	- 3,23	- 3,91	- 3,23	- 3,91	- 3,23	- 3,73	- 3,15	- 3,64	- 3,08	- 3,46
Steering type / ratio	- Rack-and-pinion / 16	- Rack-and-pinion / 16	- Rack-and-pinion / 16	- Rack-and-pinion / 16	- Rack-and-pinion / 16	- Rack-and-pinion / 16	- Rack-and-pinion / 16	- Rack-and-pinion / 16	- Rack-and-pinion / 16	- Rack-and-pinion / 16
Brake front / diameter	- /mm Ventilated Disc / 292	- /mm Ventilated Disc / 292	- /mm Ventilated Disc / 292	- /mm Ventilated Disc / 292	- /mm Ventilated Disc / 300	- /mm Ventilated Disc / 300	- /mm Ventilated Disc / 330	- /mm Ventilated Disc / 330	- /mm Ventilated Disc / 348	- /mm Ventilated Disc / 348
Brake rear / diameter	- /mm Disc / 296	- /mm Disc / 296	- /mm Disc / 296	- /mm Disc / 296	- /mm Ventilated Disc / 300	- /mm Ventilated Disc / 300	- /mm Ventilated Disc / 336	- /mm Ventilated Disc / 336	- /mm Ventilated Disc / 336	- /mm Ventilated Disc / 336
Drag Cd / A / Cd x A	- / m² / m² 0,27 / 2,11 / 0,57	- / m² / m² 0,27 / 2,11 / 0,57	- / m² / m² 0,28 / 2,11 / 0,59	- / m² / m² 0,28 / 2,11 / 0,59	- / m² / m² 0,3 / 2,11 / 0,63	- / m² / m² 0,3 / 2,11 / 0,63	- / m² / m² 0,3 / 2,11 / 0,63	- / m² / m² 0,3 / 2,11 / 0,63	- / m² / m² 0,3 / 2,11 / 0,63	- / m² / m² 0,3 / 2,11 / 0,63
Top speed	km/h 208	km/h 206	km/h 220	km/h 215	km/h 245	km/h 242	km/h 250	km/h 250	km/h 250	km/h 250
Acceleration 0-100 Km/h	s 10,0	s 11,0	s 9,0	s 9,8	s 7,0	s 7,7	s 6,3	s 6,6	s 5,6	s 5,8
Acceleration 0-1000 m	s 31,3	s 32,1	s 30,2	s 30,7	s 27,4	s 28,1	s 26,2	s 26,2	s 24,6	s 24,7
Accel 80-120 Km/h 4/5 Gear	s 10,9 / 14,4 / -	s - / - / -	s 9,1 / 11,8 / 15,8	s - / - / -	s 7,5 / 9,5 / -	s - / - / -	s 6,6 / 8,2 / 10,6	s - / - / -	s 5,3 / 6,3 / -	s - / - / -
Weight ratio	kg/kW 14,3	kg/kW 14,6	kg/kW 12,4	kg/kW 12,6	kg/kW 8,9	kg/kW 9,1	kg/kW 7,8	kg/kW 7,9	kg/kW 6,8	kg/kW 6,9
Output per litre	kW/ltr 47,6	kW/ltr 47,6	kW/ltr 55,1	kW/ltr 55,1	kW/ltr 64,1	kW/ltr 64,1	kW/ltr 63,4	kW/ltr 63,4	kW/ltr 75,5	kW/ltr 75,5
Fuel consumption -EU urban-	ltr/100km 10,0	ltr/100km 11,2	ltr/100km 10,7	ltr/100km 11,0	ltr/100km 12,1	ltr/100km 12,9	ltr/100km 12,7	ltr/100km 12,9	ltr/100km 14,4	ltr/100km 13,9
Fuel consumption -EU extra-urban-	ltr/100km 5,7	ltr/100km 6,0	ltr/100km 5,6	ltr/100km 6,2	ltr/100km 6,2	ltr/100km 6,7	ltr/100km 6,4	ltr/100km 6,8	ltr/100km 6,8	ltr/100km 7,1
Fuel consumption KV01 / Range	ltr/100km / km 7,3 / 865	ltr/100km / km 7,9 / 800	ltr/100km / km 7,4 / 850	ltr/100km / km 7,9 / 800	ltr/100km / km 8,4 / 750	ltr/100km / km 9 / 700	ltr/100km / km 8,7 / 725	ltr/100km / km 9 / 700	ltr/100km / km 9,6 / 655	ltr/100km / km 9,6 / 655
CO2-emission -EU-	g/km 175	g/km 190	g/km 178	g/km 190	g/km 203	g/km 218	g/km 210	g/km 216	g/km 231	g/km 231
Tyre type -front-	- 205/55 R16 91H RSC	- 205/55 R16 91H RSC	- 205/55 R16 91V RSC	- 205/55 R16 91V RSC	- 205/55 R16 91W RSC	- 205/55 R16 91W RSC	- 225/45 R17 91W RSC	- 225/45 R17 91W RSC	- 224/45 R17 91W RSC	- 224/45 R17 91W RSC
Tyre type -rear-	- 205/55 R16 91H RSC	- 205/55 R16 91H RSC	- 205/55 R16 91V RSC	- 205/55 R16 91V RSC	- 205/55 R16 91W RSC	- 205/55 R16 91W RSC	- 225/45 R17 91W RSC	- 225/45 R17 91W RSC	- 224/45 R17 91W RSC	- 224/45 R17 91W RSC
Front rim	- 7 J x 16 Steel wheel	- 7 J x 16 Steel wheel	- 7 J x 16 Steel wheel	- 7 J x 16 Steel wheel	- 7 J x 16 Light alloy	- 7 J x 16 Light alloy	- 8 J x 17 Light alloy	- 8 J x 17 Light alloy	- 8 J x 17 Light alloy	- 8 J x 17 Light alloy
Rear rim	- 7 J x 16 Steel wheel	- 7 J x 16 Steel wheel	- 7 J x 16 Steel wheel	- 7 J x 16 Steel wheel	- 7 J x 16 Light alloy	- 7 J x 16 Light alloy	- 8 J x 17 Light alloy	- 8 J x 17 Light alloy	- 8 J x 17 Light alloy	- 8 J x 17 Light alloy
Radiator incl. heater / Engine oil exchange quantity	ltr 7,5 / 4,25	ltr 8,1 / 4,25	ltr 7,5 / 4,25	ltr 8,1 / 4,25	ltr 8,2 / 6,5	ltr 8,5 / 6,5	ltr 8,2 / 6,5	ltr 8,5 / 6,5	ltr 8,2 / 6,5	ltr 8,5 / 6,5
Transmission fluid -exchange quantity-	ltr Permanent filling (1,2)	ltr Permanent filling	ltr Permanent filling (1,2)	ltr Permanent filling	ltr Permanent filling (1,2)	ltr Permanent filling	ltr Permanent filling (1,6)	ltr Permanent filling	ltr Permanent filling	ltr Permanent filling
Battery capacity / installed position	Ah/- 46 / Luggage comp.	Ah/- 46 / Luggage comp.	Ah/- 46 / Luggage comp.	Ah/- 46 / Luggage comp.	Ah/- 70 / Luggage comp.	Ah/- 70 / Luggage comp.	Ah/- 70 / Luggage comp.	Ah/- 70 / Luggage comp.	Ah/- 70 / Luggage comp.	Ah/- 70 / Luggage comp.
Alternator output rating	A/W 110 / 1540	A/W 110 / 1540	A/W 110 / 1540	A/W 110 / 1540	A/W 155 / 2170	A/W 180 / 2520	A/W 155 / 2170	A/W 180 / 2520	A/W 180 / 2520	A/W 180 / 2520

Technical Data - Europe.

BMW 3 Series Sedan (E90).

		325xi	325xi	330xi	330xi	330xd	330xd
		Sedan	Sedan	Sedan	Sedan	Sedan	Sedan
Engine platform		N52B2500	N52B2500	N52B3000	N52B3000	M57D3002	M57D3002
Transmission		M6	A6	M6	A6	M6	A6
No of doors / seats	-	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Vehicle length / width / height -unloaded-	mm	4520 / 1817 / 1421	4520 / 1817 / 1421	4520 / 1817 / 1421	4520 / 1817 / 1421	4520 / 1817 / 1421	4520 / 1817 / 1421
Weelbase / Turning circle	mm / m	2760 / 11,8	2760 / 11,8	2760 / 11,8	2760 / 11,8	2760 / 11,8	2760 / 11,8
Track front / rear	mm	1500 / 1513	1500 / 1513	1500 / 1513	1500 / 1513	1500 / 1513	1500 / 1513
Overhang rear	mm	1005	1005	1005	1005	1005	1005
Ground clearance -empty-	mm	144	144	144	144	144	144
Shoulder width front / rear	mm	1408 / 1399	1408 / 1399	1408 / 1399	1408 / 1399	1408 / 1399	1408 / 1399
Elbow width front / rear	mm	1460 / 1454	1460 / 1454	1460 / 1454	1460 / 1454	1460 / 1454	1460 / 1454
Eff. head room front / rear	mm	978 / 953	978 / 953	978 / 953	978 / 953	978 / 953	978 / 953
Luggage capacity	m³	0,460	0,460	0,460	0,450	0,460	0,460
Fuel tank capacity	ltr	63	63	63	63	61	61
Curb weight -acc DIN-	kg	1540 / 1615	1560 / 1635	1580 / 1655	1595 / 1670	1635 / 1710	1650 / 1725
Axle load ratio -unloaded DIN-	%	46,6	46,3	46,6	46,2	45,7	45,6
Gross vehicle weight / Payload	kg	2060 / 520	2080 / 520	2100 / 520	2115 / 520	2155 / 520	2170 / 520
Axle load limit front / rear	kg	1020 / 1095	1020 / 1095	1035 / 1110	1035 / 1110	1085 / 1125	1085 / 1125
Trailer load braked -12% / 8%-	kg	1700 / 1800	1700 / 1800	1800 / 1800	1800 / 1800	1800 / 1800	1800 / 1800
Trailer load unbraked / roof load	kg	750 / 75	750 / 75	750 / 75	750 / 75	750 / 75	750 / 75
Engine type / cylinder / valves p cyl	-	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4
Fuel management	-	MSV70	MSV70	MSV70	MSV70	DDE6	DDE6
Effective displacement	cm³	2497	2497	2996	2996	2993	2993
Stroke / Bore	mm	78,8 / 82	78,8 / 82	88 / 85	88 / 85	90 / 84	90 / 84
Nom power output / Engine speed	kW(hp) / 1/min	160 (218) / 6500	160 (218) / 6500	190 (258) / 6600	190 (258) / 6600	170 (231) / 4000	170 (231) / 4000
Max torque / Engine speed	Nm / 1/min	250 / 2750	250 / 2750	300 / 2500	300 / 2500	500 / 1750	500 / 1750
RPM at max torque -range-	1/min	2750-4250	2750-4250	2500-4000	2500-4000	1750-3000	1750-3000
Compression ratio / Fuel type	-	11 / ROZ91-98	11 / ROZ91-98	10,7 / ROZ91-98	10,2 / ROZ95-98	17 / Diesel	17 / Diesel
Exhaust emissions classification	-	EU4	EU4	EU4	EU4	EU4	EU4
Codification of reference gearbox	-	GETRAG H	ZF 6HP19	GETRAG H	ZF 6HP19	ZF G weit	ZF 6HP26
Gear ratio 1st/2nd/3rd	-	4,35 / 2,496 / 1,665	4,171 / 2,34 / 1,521	4,35 / 2,496 / 1,665	4,171 / 2,34 / 1,521	5,08 / 2,804 / 1,783	4,171 / 2,34 / 1,521
Gear ratio 4th/5th/6th/7th	-	1,23 / 1 / 0,851 / -	1,143 / 0,867 / 0,691 / -	1,23 / 1 / 0,851 / -	1,143 / 0,867 / 0,691 / -	1,26 / 1 / 0,835 / -	1,143 / 0,867 / 0,691 / -
Reverse ratio	-	3,926	3,403	3,926	3,403	4,607	3,403
Final drive ratio	-	3,23	3,91	3,15	3,64	2,47	2,93
Steering type / ratio	-	Rack-and-pinion / 18,2	Rack-and-pinion / 18,2	Rack-and-pinion / 18,2	Rack-and-pinion / 18,2	Rack-and-pinion / 18,2	Rack-and-pinion / 18,2
Brake front / diameter	-/mm	Ventilated Disc / 300	Ventilated Disc / 300	Ventilated Disc / 330	Ventilated Disc / 330	Ventilated Disc / 330	Ventilated Disc / 330
Brake rear / diameter	-/mm	Ventilated Disc / 300	Ventilated Disc / 300	Ventilated Disc / 336	Ventilated Disc / 336	Ventilated Disc / 336	Ventilated Disc / 336
Drag Cd / A / Cd x A	- / m² / m²	0,31 / 2,11 / 0,65	0,31 / 2,11 / 0,65	0,32 / 2,11 / 0,68	0,32 / 2,11 / 0,68	0,31 / 2,11 / 0,65	0,31 / 2,11 / 0,65
Top speed	km/h	242	236	250	250	242	240
Acceleration 0-100 Km/h	s	7,5	8,1	6,4	6,9	6,6	6,7
Acceleration 0-1000 m	s	28,4	28,5	26,9	26,9	26,9	27,0
Accel 80-120 Km/h 4/5 Gear	s	8,6 / 10,8 / 14,3	- / - / -	7,1 / 9,1 / 11,9	- / - / -	5,3 / 6,7 / 8,8	- / - / -
Weight ratio	kg/kW	9,6	9,8	8,3	8,4	9,6	9,7
Output per litre	kW/ltr	64,1	64,1	63,4	63,4	56,8	56,8
Fuel consumption -EU urban-	ltr/100km	13,0	14,4	13,9	14,6	9,6	10,8
Fuel consumption -EU extra-urban-	ltr/100km	7,0	7,3	7,1	7,5	5,8	6,4
Fuel consumption KV01 / Range	ltr/100km / km	9,2 / 695	9,9 / 635	9,6 / 655	10,1 / 625	7,2 / 845	8 / 760
CO2-emission -EU-	g/km	221	238	230	243	192	213
Tyre type -front-	-	205/55 R16 91W RSC	205/55 R16 91W RSC	225/45 R17 91W RSC	225/45 R17 91W RSC	225/45 R17 91W RSC	225/45 R17 91W RSC
Tyre type -rear-	-	205/55 R16 91W RSC	205/55 R16 91W RSC	225/45 R17 91W RSC	225/45 R17 91W RSC	225/45 R17 91W RSC	225/45 R17 91W RSC
Front rim	-	7J x 16 Light alloy	7 J x 16 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy
Rear rim	-	7J x 16 Light alloy	7 J x 16 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy
Radiator incl. heater / Engine oil exchange quantity	ltr	8,2 / 6,5	8,5 / 6,5	8,2 / 6,5	8,5 / 6,5	7,9 / 7,5	8,2 / 7,5
Transmission fluid -exchange quantity-	ltr	Permanent filling	Permanent filling	Permanent filling	Permanent filling	Permanent filling	Permanent filling
Battery capacity / installed position	Ah/-	70 / Luggage comp.	70 / Luggage comp.	70 / Luggage comp.	70 / Luggage comp.	90 / Luggage comp.	90 / Luggage comp.
Alternator output rating	A/W	180 / 2520	180 / 2520	180 / 2520	180 / 2520	150 / 2100	150 / 2100