

## BMW 3-series E21, 9/1979> European model - factory specifications

Engine	323i	320/6	318i	316	315
Production dates:	11/77 - 01/82	08/77 - 08/82	08/80 - 12/82	08/80 - 12/81	02/81 - 08/82
Units produced	137.107*	270.445	192.564	97.880	107.838
*also see bottom of page					
Type:	inline watercooled 6	inline watercooled 6	inline watercooled 4	inline watercooled 4	inline watercooled 4
Bore x Stroke mm	80 x 76.8	80 x 66	89x71	89 x 71	84 x 71
Displacement cc	2315	1990	1766	1766	1573
Valve Operation	SOHC	SOHC	SOHC	SOHC	SOHC
Valves / cyl	2	2	2	2	2
Compression Ratio	9.5 : 1	9.2 : 1	10:01	9.5 : 1	9.5 : 1
Injection / Carburetor:	Bosch K-Jetronic	Solex 4A1	Bosch K-Jetronic	Solex 2B4	Solex 1B2
Max Torque	190Nm @ 4500	160Nm @ 4000	148Nm @ 4500	143Nm @ 4000	110Nm @ 3200
BHP (DIN)	143 @ 5800	122 @ 6000	105 @ 5800	90 @ 5500	75 @ 5800
Max rev count (RPM)	6400	6400	6400	6400	6400
Engine type code	M 20	M 20	M 10	M 10	M 10
Timing by:	belt	belt	chain	chain	chain
CO %	1.0-2.0	1.5	1.1	1.0	1.5
Idle speed (RPM)	850-950	800-900	850-950	900	850-950
Oil pressure	0.5 to 1.2 bar at idle to over 4.0 bar running				
Fan belt size (mm)	9.5 x 950	9.5 x 950	9.5 x 975 (auto 950)	9.5 x 875 (auto 850)	9.5 x 875
Alternator (Bosch)	0120489718 (65A)	0120489686 (55A)	0120489718 (65A)	0120489645 (45A)	
with built in controller no.	192052004	192052004	192052004	192052004	
Starter motor (Bosch)	1311125		1311100		

Chassis and Drivetrain	323i	320/6	318i	316	315
Transmission	5 speed manual	4 speed manual	4 speed manual	4 speed manual	4 speed manual
Front suspension	MacPherson struts, coil springs, anti-roll bar	MacPherson struts, coil springs, anti-roll bar	MacPherson struts, coil springs, anti-roll bar	MacPherson struts, coil springs, anti-roll bar	MacPherson struts, coil springs, anti-roll bar
Rear suspension	Semitrailing arms, coil springs, anti-roll bar	Semitrailing arms, coil springs, anti-roll bar	Semitrailing arms, coil springs, anti-roll bar	Semitrailing arms, coil springs	Semitrailing arms, coil springs
Final drive	3.45	3.64	3.91	3.91	4.10

General	323i	320/6	318i	316	315
Wheelbase (mm)	2563	2563	2563	2563	2563
Track front/rear (mm)	1388/1401	1387/1396	1366/1376	1366/1376	1366/1376
Alignment (front toe in-mm)	1.5 (+/- 0.5 mm)				
Alignment (rear toe in -mm)	2.0 (+/- 0.8 mm)				
Brakes front/rear	Vented disc / massive disc	Vented disc / Drum	Vented disc / Drum	Vented disc / Drum	Vented disc / Drum
Wheels/Tires	steel 13"x5.5J / 185/70HR13	steel 13"x5.5J / 185/70HR13	steel 13"x5.5J / 185/70HR13	steel 13"x5.5J / 185/70HR13	steel 13"x5J / 165SR13
Maximum Speed (kph)*	201	180	173	167	160
Acceleration 0-100 kph*	8.3	10.0	11.5	12.5	14.0
Weight (kgs)	1110	1090	1030	1020	1010
Battery (Ah)	55	44	44	44	44
Fuel consumption (DIN litres/100 km) - with standard 5 - gearbox					
@ 90 km/h	6.8	7.2	6.3	6.2	6.0
@ 120 km/h	9.1	9.6	8.4	8.3	8.2
city	12.8	13.0	10.4	11.0	10.5
*figures from tests in leading German car magazines					

Standard Equipment	323i	320/6	318i	316	315
(including equipment of lower range models)	Tinted glass	Model-badge in front grill		Chrome window frames	Heated rear window
	Power mirrors L+R	Rev counter with integrated LED clock		Lighted glove compartment	Power mirror L
		Luxury interior trim, w/cloth door panels		Toolbox	Bilux headlights
		Dual halogen headlights H4		Halogen headlights H4	Quartz clock
		Lighted hood & bonnet		Integrated rear fog light	Rear safety belts: 2 auto, 1 manual
					Electronic ignition

Options
Power steering rack
5-speed manual gearbox (eco or sports)
3-speed automatic gearbox
Tinted glass
Manual sunroof, metal
Leather 3-spoke sports steering wheel
Leather gear knob
Headlights wipers
Rev counter with integrated LED clock
Alloy wheels (13")
Rear headrests
Recaro and/or leather seats
Bavaria radio-cassette
Extended tool kit
Powered antenna
Power mirror R
Fog lights (mounted under front bumper)
Clearcoated metallic paint

All models:		Valve clearances (cold)	in (mm)	out (mm)
Fuel tank (ltrs)	58 (51+7)			
Cylinder head	Aluminum	4 cyl. > 81	.15	.20
Lubricant (motoroil)	SAE 10W40 SE	316 81>	.20	.20
Change quantity 4 cyl.	3.75 litres	318i 81>	.20	.25
Change quantity 6 cyl.	4.00 litres	all 6-cyl.	.25	.25
Including oil filter add	0.25 litre			
Gearbox oil - manual	SAE 80	<b>Min. Brake disc thickness-</b>	front solid	10.7 mm
Change quantity 4 sp.	1 litre		- front vented	20.0 mm
Change quantity 5 sp.	1.4 litres		- rear	8.0 mm
Gearbox oil - auto	Dexron ATF		Handbr. lever travel	5-8 clicks
Change quantity auto	2 litres			
Diff oil	SAE 90 Transmission	<b>Firing order</b>		
Change quantity diff	0.95 litres	4 cylinder	1 - 3 - 4 - 2	
Power steering	Dexron ATF 77	6 cylinder	1 - 5 - 3 - 6 - 2 - 4	
Change quantity	1.2 litre			
Coolant 4-cylinder	7.2 litres	<b>Spark Plugs</b>		
Coolant 6-cylinder	12 litres	Bosch	W 8 D or W 7 DC	
Brake / Clutch	ATE/Castrol/DOT 4	Champion	N 10 Y	
Fuel	Leaded ROZ 98	<u>Gap:</u>	0.6 +/- 0.1 mm	

**More production data:**  
 Units produced total for all facelift E21 3-series 1978-1985: 1.001.521  
 Units produced for all E21 (1975-1985): 1.355.495

Production data per year:  
 1975 : 43.349  
 1976 : 130.821  
 1977 : 166.218  
 1978 : 182.213  
 1979 : 186.973  
 1980 : 204.358  
 1981 : 226.960  
 1982 : 181.254  
 1983 : 33.349

In detail:  
 323i production data: 137.107 in total, 116.514 LHD (of these 5.780 with auto gearbox), 11.453 RHD (of these 3.360 with auto gearbox).