Technical Data BMW 1977-1979 320i (E21)—US Model

General	Manufacturer's suggested retail price at introduction: \$7,775 (\$7,875 West Coast) Air Conditioning: \$550 Metallic Paint: \$255 Recaro Seats: \$300 Sport St.Wheel: \$40 Manual sunroof: \$310 Light Alloy Rims: \$225 Dealer Prep: \$150 Federal Excise Tax: Std. Wheels: \$10.50 Alloy Wheels: \$10.90	Base price 1977: \$7,990 1978: \$9,315 1979: \$9,735 Production: 1977 7/76 to 8/77 (California only) 9/76 to 9/77 1978 9/77 to 7/78 1979 9/78 to 7/79 Curb weight: 2650 lbs. Wheelbase: 100.9 in. Weight distribution: Front/Rear % 51/49 Fuel capacity: 15.9 gal. Fuel requirement: 87 octane (91 RON) Front Engine, rear wheel drive
Engine	Type 2.0 liter 4-cylinder in-line water cooled, longitudinally mounted, inclined, single chain-driven overhead camshaft, forged crankshaft with 5 main bearings and 8 counterweights. Bore/Stroke: 89/80 mm Displacement: 1990 cc Compression Ratio: 8.1:1 Fuel injected Bosch K-Jetronic fuel injection Exhaust emission control: Manairox system with air injection (Thermal Reactor on California version only)	Horsepower: 110hp (SAE net) @ 5,800 rpm 105hp (SAE net) @ 5,800 rpm (California version) Torque: 112 ft-lb (SAE) @ 3,750 rpm 108.5 ft-lb (SAE) @ 3,750 rpm (California version) Ignition distributor with vacuum retard and centrifugal advance, mechanical breaker points. 55 amp alternator, 12-volt 55 amp hrs. battery. Hydraulic shock damper at left engine mount
Chassis and Drivetrain	Transmission: 4-speed manual (Getrag) Gear ratios I/II/III/IV/R: 3.764/2.022/1.320/1.000/4.096 Optional 3-speed automatic (ZF) Gear ratios I/II/III//R: 2.478/1.478/1.000/2.090 Steering: rack and pinion (non-assisted), with hydraulic damper Steering ratio: 21.1:1 Front Suspension: MacPherson struts, off- center mounted coil springs & torsion bar stabilizer (22mm) acting as tension strut	Rear Suspension: independent semi-trailing arms, shock absorber mounted inside coil springs & torsion bar stabilizer Final drive ratio: 3.64:1 Braking: Front 255 mm discs, (vented 1977 only) Rear 250 mm rear twin-shoe drums incorporating handbrake; rear axle brake pressure regulator Wheels: styled steel rims 5 1/2J x 13 (Optional light alloy wheels) Offset: 18mm Tires: 185/70HR-13
Interior	Front reclining bucket seats (manually operated) with height-adjustable head rests, cloth or leatherette upholstery, full carpeting, carpet on rear shelf, storage pockets in front	speedometer with 6-digit odometer and trip odometer, tachometer, analog clock, orange instrument and ventilation control lighting flow-through ventilation, manually operates

operated) with height-adjustable head rests, cloth or leatherette upholstery, full carpeting, carpet on rear shelf, storage pockets in front doors, lockable (and lighted) glove compartment with flashlight socket, anti-glare mirror, heated rear window, 3-point automatic seat belts front and rear with 2-point lap belt in center rear, 120 mph

speedometer with 6-digit odometer and trip odometer, tachometer, analog clock, orange instrument and ventilation control lighting, flow-through ventilation, manually operated front windows with pop-out rear windows, tinted glass all around with dark green border on top of windshield, four spoke padded steering wheel with horn buttons in each spoke, tool kit in trunk lid.

Exterior

Unit body with impact and roll over protection, integrated roll bar in center pillar for safety, energy absorbing 5 mph bumpers, full-frame doors, hood safety catch, polished

stainless door, mounted rear view mirror driver side only, twin saddle-type fuel tanks mounted forward of the rear axle.

Technical Data BMW 1977-1979 320i (E21)—US Model

Optional Equipment	Automatic transmission, limited slip differential (25%), sport steering wheel (15"), Recaro front seats in black cloth or leatherette,	air-conditioning, dual operation mechanical sunroof, light alloy wheels, metallic paint, radios
Performance	Acceleration, 0-60 mph: 10.5 sec Top Speed, mph: 106 standard 104 automatic transmission Lateral Acceleration (g's) .757 (.761 for 1978 model) 1977 Fuel economy EPA (Hwy/city), mpg Standard transmission 29/20 Automatic transmission 25/19	1978 Fuel economy EPA (Hwy/city/combined), mpg Standard transmission 28/19/22 Automatic transmission 26/18/21 Stopping distance from 60 mph 156 ft. Noise level at 70 mph: 74 dbA
Changes for 1978	Front springs stiffer by 10% Front stabilizer bar diameter reduced by 1mm to 21mm Rear stabilizer bar deleted Increased dampening from revalved shock absorbers Solid front rotors Size changed on front axle spindle/bearings Lower temperature operating range rear brake linings Top gear ignition advance switch added	Reduced height in front seats Improved cloth upholstery Aluminum heater core Deletion of plastic engine compartment headlight covers (improved air flow) Additional exhaust hanger between front and rear muffler Improved heat shield/protection for fuel tanks connection tube Gas filler cap holder added inside fuel filler door
Changes for 1979	Improvements to front seat spring core upholstery, backrest spring set deeper in seat, seat cushion upholstery thickened. Restyled steering column levers and symbols to match 733i Enlarged rear-view mirror and modified sunvisor opening Seat belt receptacle moved from floor to seat Seat front/back adjustment lever moved to beneath seat Narrower slot at seat belt tongue to prevent twist Lip removed from door storage bins Head rests flared at sides Aluminum radiator core with plastic tank	Brake pad wear indicator warning lamp added (sensor in left front pad) Low fuel level warning lamp incorporated into fuel gauge Position of turn signal indicator and handrake/fluid level warning lights reversed in instrument cluster Radio antenna, wiring and front speakers become standard License plate lamps move from side to top of mounting plate Exhaust pipe shorter and straight now near left corner Modified front sway-bar thrust bushing

Technical Data BMW 1980-1983 320i (E21)—US Model

General	Manufacturer's suggested retail prices for	Base price		
	1982:	1980: \$11,810		
	Base Price: \$13,290	1981: \$12,895		
	Automatic Transmission: \$620	1982: \$13,290 1983: \$13,290 Production: 1980: 9/79 to 7/80 1981: 9/80 to 7/81 1982: 9/81 to 7/82		
	Metallic Paint: \$420			
	Dual Position Sunroof: \$555 Limited Slip Differential: \$370 Light Alloy Rims: \$500 Luxus Touring Group: \$1,685			
			"S" Package: \$2,620	1983: 9/82 to 12/82
			Dealer Preparation Charge: \$150	Curb weight: 2500 lbs.
			Destination and Handling: \$245	Fuel capacity: 15.9 gal.
	Federal Excise Tax on Tires: \$10.20	Fuel requirement: Unleaded 87 octane		
		Wheelbase: 100.9 in.	(91 RON)	
		Weight distribution, front/rear (%): 51/49	Front engine, rear wheel drive	
	Engine	Type: 1.8 liter (M10) 4-cylinder in-line water	Exhaust emission control: 3-way catalyst with	
	cooled, longitudinally mounted, inclined,	Lambda-sensor (50 state version)		
	single chain-driven overhead camshaft, cast	Horsepower: 101hp (SAE net) @ 5,800 rpm		
	crankshaft with 5 main-bearings and 4	Torque: 100 ft-lb (SAE) @ 4,500 rpm		
	counterweights.	Breakerless electronic Ignition system (reverse		
	Bore/Stroke: 89/70 mm	rotation from previous years)		
	Displacement: 1766 cc	65 amp alternator, 12-volt 55 amp hrs. battery		
	Compression Ratio: 8.8:1	Hydraulic shock damper at left engine mount		
	Fuel injected Bosch K-Jetronic fuel injection			
	modified with pulse valve for Lambda-control			
Chassis	Transmission:	Rear Suspension: independent semi-trailing		
Citassis	5-speed manual (Getrag) 245	arms, shock absorber mounted inside coil		
and	Gear ratios I/II/III/IV/V/R:	springs (anti-roll bar stabilizer S-package		
Drivetrain	3.682/2.002/1.330/1.000/0.806/4.096	only)		
Dilvetiani	Optional 3-speed automatic (ZF)	Final drive ratio: 3.91:1 Manual transmission:		
	Gear ratios I/II/III//R:	3.64:1 Automatic transmission		
	2.730/1.560/1.000/2.090	Braking:		
	Steering: rack and pinion (non-assisted), with	Front 255 mm discs		
	hydraulic damper	Rear 250 mm rear twin-shoe drums		
	Steering ratio: 21.1:1	incorporating handbrake; rear axle brake		
	Front Suspension: MacPherson struts, off-	pressure regulator		
	center mounted coil springs & torsion bar	Wheels: styled steel rims 5 1/2J x 13 (Optional		
	stabilizer acting as tension strut	light alloy wheels)		
		Offset: 18mm		
		Tires: 185/70SR-13		
Interior	Front reclining bucket seats (manually	odometer, tachometer, digital clock, orange		
micro	operated) with height-adjustable head rests,	instrument and ventilation control lighting		
	cloth or leatherette upholstery, full carpeting,	radio antenna and four speakers and fader		
	carpet on rear shelf, storage pockets in front	control, flow-through ventilation, manually		
	doors, lockable (and lighted) glove	operated front windows with pop-out rear		
	compartment with flashlight socket, anti-glare	vents, tinted glass all around with dark green		
	mirror, heated rear window, 3-point	border on top of windshield, four-spoke		
	automatic seat belts front and rear with 2-	padded steering wheel with horn buttons in		
	point lap belt in center rear, 85 mph	each spoke, tool kit in trunk lid.		
	point rap best in center rear, os inpi			

Exterior

Unit body with impact and roll-over protection, integrated roll bar in center pillar for safety, energy absorbing 5 mph bumpers, full-frame doors, hood safety catch, electrically

speedometer with 6-digit odometer and trip

controlled window frame mounted plastic housing rear view mirror driver side only, twin saddle-type fuel tanks mounted forward of the rear axle.

Technical Data BMW 1980-1983 320i (E21)—US Model

Optional Equipment	Automatic transmission, limited slip differential (25%), air-conditioning, dual operation mechanical sunroof, light alloy wheels, metallic paint, radios Luxus Touring Group (320i) includes: Air Conditioning, Electronic AM/FM Stereo Cassette Radio, Fog Lights Sport Package (320iS) includes: Recaro front seats in black cloth or leatherette, leather wrapped smaller diameter sport steering wheel, leather shift knob, electric passenger	side rear view mirror, halogen high beams, front air dam, larger diameter front anti-roll bar, rear anti-roll bar, limited slip differential, special cross-spoke (BBS-style) wheels, AMFM stero cassette radio, fog lights, deluxe tool kit, Recaro front seats in black cloth or leatherette, model designation deleted. Not available with automatic transmission or air conditioning. Availability limited to three exterior colors: Schwarz (black), Alpine white, Polaris silver.
Performance	Acceleration, 0-60 mph: 11.1 sec Top Speed, mph: 105 manual, 102 automatic transmission Lateral Acceleration (g's) .743	Fuel economy EPA (Hwy/city), mpg Manual transmission 25/36 Automatic transmission 27/31 Stopping distance from 60 mph 169 ft. Noise level at 70 mph: 75 dbA
Changes for 1980	1.8 liter engine, three-way catalytic converter with Lambda-sensor, cast crankshaft with single counterbalance weight per cylinder, redesigned combustion chamber, breakerless electronic ignition, standard 5-speed manual transmission with changed final drive ratio, lower ratios in first and second gears for automatic transmission, reduced diameter filler neck for unleaded gasoline, Digital quartz clock, 85mph speedometer, Oxygen sensor service light, electrically controlled driver side rear view mirror standard, new hood and trunk emblems with smooth plastic finish, standard four radio speakers and fader control, increased oil filter capacity, extended oil change interval (7500 miles), new longlife spark plugs (WR9DS) allow 30,000	replacement interval. New dashboard appearance accommodates: LED quartz clock (integrated into tachometer face), oxygen sensor warning light, rotary heating and ventilation controls, and addition of four adjustable fresh air and air conditioning vents. Models compatible with port or dealer installed air conditioning pre-wired from factory (except 320iA with sunroof and all "S" packages). Weight reduction by use of aluminum in fuel lines, disc brake shields, master brake cylinder housing, brake pistons and clutch operating cylinder. Reduction in thickness and weight of window glass, body panels and insulation. Solid pedal arms replaced with lighter three-sided design.
Changes for 1982	Increased loudspeaker handling capacity, gearshift pattern inscribed on shift knob, electrically operated rear-view mirrors on	both driver and passenger side now standard, trunk light and switch now standard. New colors: Lapis Blue, Baltic Blue and Opal Green
Changes for 1983	Introduction of lightweight 5-speed transmission with single main section housing. Deletion of sound deadening surface finish inside trunk	
Available Colors	Standard Paint: Phoenix Orange, Chamonix White, Pastel Blue, Golf, Henna Red, Black, Biscay Blue, Sepia, Alpine White, Sierra Beige, Safari Beige, Corona Yellow, Lapis Blue	Metallic Paint: Polaris, Fjord, Anthracite, Graphite, Cashmere, Sapphire Blue, Stratos, Ascot Grey, Cypress Green, Chestnut Red, Opal Green, Baltic Blue