

E21 Alpina tech specs

Early models	A1 320	A2 320	A4 320i
Produced:	7/75-8/77	7/75-8/77	6/76-8/77
Type:	inline watercooled 4	inline watercooled 4	inline watercooled 4
Engine code	M10 B20	M10 B20	M10 B20
Displacement cc	1990	1990	1990
Valve Operation	SOHC	SOHC	SOHC
Camshaft (degrees)	264	300	300
Compression Ratio	8.1 : 1	9.5 : 1	9.5 : 1
Max Torque	170Nm @ 4000	173Nm @ 5500	180Nm @ 5500
BHP (DIN)	125 @ 5800	155 @ 6900	160 @ 6700
Injection / Carburetor:	Solex 40 ADDHE	Solex 45 DDH	Kugelfischer
Weight (kgs)	1076	1060	1060
Maximum Speed (kph)	191	208	213
Acceleration 0-100 kph	9.1	7.8	7.5
Total cars built*	unknown	113	120

Engine	323i (works)	C1 2.3	B6 2.8 (200HP)	B6 2.8 (218HP)
Produced:		4/80-7/83	11/78-8/81	9/81-1/83
Type:	inline watercooled 6	inline watercooled 6	inline watercooled 6	inline watercooled 6
Engine code	M20 B23	M20 B23	M30 B28	M30 B28
Bore x Stroke mm	80 x 76.8	80 x 76.8	86 x 80	86 x 80
Displacement cc	2315	2315	2788	2788
Valve Operation	SOHC	SOHC	SOHC	SOHC
Camshaft (degrees)	260	268	264	280
Valves / cyl	2	2	2	2
Compression Ratio	9.5 : 1	10.0 : 1	9.5 : 1	9.6 : 1
Injection / Carburetor:	Bosch K-Jetronic	Bosch K-Jetronic	Solex Pierburg Zenith DL	Bosch L-Jetronic
Max Torque	190Nm @ 4500	210Nm @ 4500	248Nm @ 4500	265Nm @ 4500
BHP (DIN)	143 @ 5800	170 @ 6000	200 @ 6200	218 @ 6000

Chassis and Drivetrain	323i (works)	C1 2.3	B6 2.8 (200HP)	B6 2.8 (218HP)
Transmission	4/5 speed manual	5 speed manual	5 speed manual	5 speed manual
Front suspension	MacPherson struts, coil springs, anti-roll bar	MacPherson struts, coil springs, anti-roll bar, Bilstein shocks	MacPherson struts, coil springs, anti-roll bar, Bilstein shocks	MacPherson struts, coil springs, anti-roll bar, Bilstein shocks
Rear suspension	Semitrailing arms, coil springs, anti-roll bar	Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks	Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks	Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks
Axle Ratio	3.45	3.45	3.91	3.91

General	323i (works)	C1 2.3	B6 2.8 (200HP)	B6 2.8 (218HP)
Wheelbase (mm)	2563	2563	2563	2563
Track front/rear (mm)	1388/1401	1387/1396	1366/1376	1366/1376
Brakes front/rear	Ventilated disc / massive disc	Dual ventilated disc / massive disc	Dual ventilated disc / massive disc	Dual ventilated disc / massive disc
Wheels/Tires	steel 13"x5.5J / 185/70HR13	F alloy 6x15 with 195/50	F alloy 6x15 with 195/50	F alloy 6x15 with 195/50
Maximum Speed (kph)	201	209	231	235
Acceleration 0-100 kph	8.3	7.4	6.9	6.8
Weight (kgs)	1110	1187	1275	1260
Total cars built*		28 ?	324	209

Interior adjustments

Recaro seats with Alpina style cloth (optional for C1 2.3)
 Alpina leather steering wheel
 Alpina wood gear knob
 Alpina speedometer
 Alpina identification plate

Adjustments on gearbox, fuel tank, diff and suspension

5-speed Getrag gearbox
 100 litres fuel tank (optional for C1 2.3)
 Limited slip diff with cooling ribs and stiffer lid (optional for C1 2.3)
 Bilstein gas-pressured shocks with Ahle lowering springs
 Upgraded front brakes with dual ventilated discs

Exterior adjustments

Deep front spoiler
 Rear spoiler
 Alpina wheels
 Alpina stripes on both sides (optional)

*These production numbers are supplied by the Alpina Gemeinschaft (Alpina Club) in Germany. Please keep in mind that there weren't that many cars produced, like only 28 for the C1. But if we have to believe all the adverts nowadays there were thousands produced!

In these numbers are not included the licensed and (mostly partial) conversions done by local Alpina dealerships like Sytner (UK), Garage du Bac (France), Heidegger (Switzerland) and P.J. Oldenhof (The Netherlands).