

2002 Mercedes-Benz C32 AMG

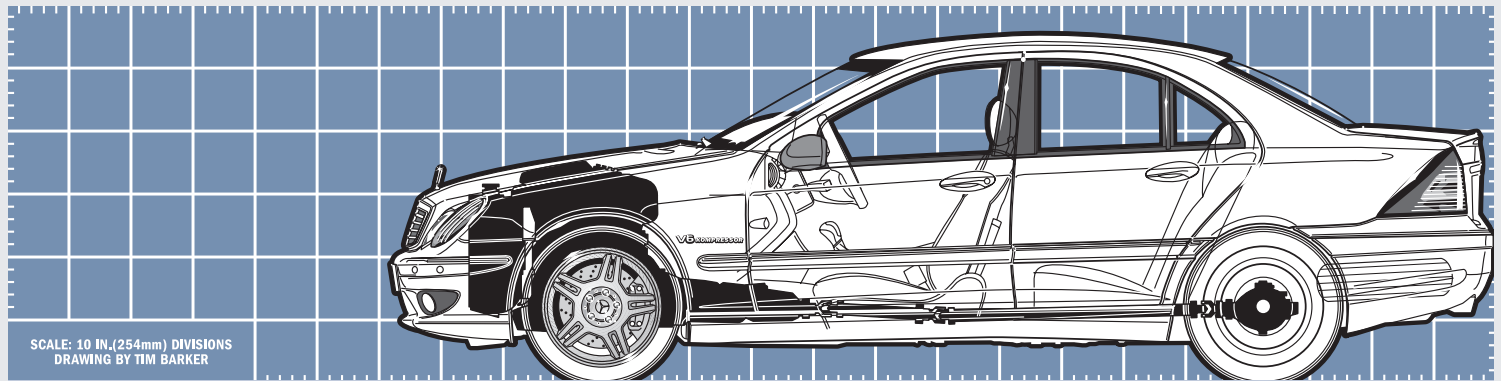
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At a Glance

0-60 mph	5.1 sec
0-1/4 mile	13.6 sec
Top speed	155 mph*
Skidpad	0.86g
Slalom	64.0 mph
Brake rating	excellent

List Price: est \$53,000
Price as Tested: est \$58,462

Price as tested incl std equip. (ABS, front & side airbags, brake assist, yaw control, cruise control, auto. climate control, AM/FM/CD, keyless entry, anti-theft system, heated power seats, leather upholstery, multifunction steering wheel; pwr sunroof, windows, mirrors & door locks), navigation system (\$2080), xenon headlamps (\$870), metallic paint (\$640), rear sunshade (\$440), luxury tax (\$787), dest charge (\$645).



SCALE: 10 IN./254mm DIVISIONS
DRAWING BY TIM BARKER

SPECIFICATIONS

Engine

Type.....aluminum block & heads, supercharged V-6
Valvetrain.....sohc 3-valve/cyl
Displacement.....195 cu in./3199 cc
Bore x stroke.....3.54 x 3.31 in./89.9 x 84.0 mm
Compression ratio.....9.0:1
Horsepower (SAE).....349 bhp @ 6100 rpm
Bhp/liter.....109.1
Torque.....332 lb-ft @ 4400 rpm
Redline.....6220 rpm
Fuel injection.....electronic sequential port
Fuel.....premium unleaded, 91 pump octane

Warranty

Basic warranty.....4 years/50,000 miles
Powertrain.....4 years/50,000 miles
Rust-through.....4 years/50,000 miles

Chassis & Body

Layout.....front engine/rear drive
Body/frame.....unit steel
Brakes: Front.....13.6-in. vented discs
Rear.....11.8-in. vented discs
Assist type.....vacuum assist, ABS
Total swept area.....548 sq in.
Swept area/ton.....290 sq in.
Wheels.....cast aluminum;
17 x 7½ f, 17 x 8½ r
Tires.....Pirelli P Zero Rosso;
225/45ZR-17 f,
245/40ZR-17 r
Steering.....rack & pinion,
vari power assist
Overall ratio.....15.5:1
Turns, lock to lock.....3.0
Turning circle.....35.3 ft
Suspension
Front: MacPherson struts, lower A-arms, coil springs, tube shocks, anti-roll bar
Rear: multilink, coil springs, tube shocks, anti-roll bar

General Data

Curb weight.....3605 lb
Test weight.....3780 lb
Weight dist (with driver), f/r, %.....56/44
Wheelbase.....106.9 in.
Track, f/r.....58.8 in./58.2 in.
Length.....178.3 in.
Width.....68.0 in.
Height.....55.7 in.
Ground clearance.....4.6 in.
Trunk space.....16.1 cu ft

Accommodations

Seating capacity.....5
Head room: Front.....37.5 in.
Rear.....34.5 in.
Seat width: Front.....2 x 18.3 in.
Rear.....53.8 in.
Front seat leg room.....47.5 in.
Seatback adjustment.....65 deg
Seat travel.....11.0 in.
Rear seat knee room.....18.8 in.

Drivetrain

Transmission: 5-speed automatic
Gear Ratio Overall ratio (Rpm) Mph
1st 3.59:1 10.99:1 (6000) 38
2nd 2.19:1 6.70:1 (6200) 64
3rd 1.41:1 4.31:1 (6200) 100
4th 1.00:1 3.06:1 (6200) 141
5th 0.83:1 2.54:1 (5650) 155*
Final drive ratio.....3.06:1
Engine rpm @ 60 mph in top gear.....2100

*Electronically limited.

Instrumentation

7000-rpm tachometer, 300-km/h speedometer, digital display

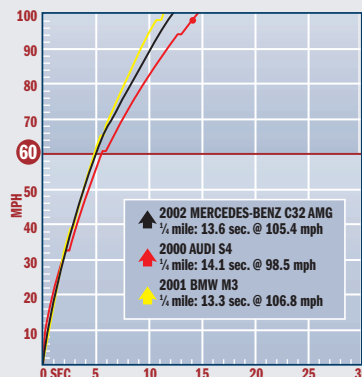
Safety

dual front airbags
front seat side airbags
front seatbelt pretensioners
brake assist
yaw control
anti-lock braking
(all standard equip.)

PERFORMANCE

Acceleration

Time to speed	Seconds
0-30 mph	1.9
0-40 mph	2.7
0-50 mph	3.9
0-60 mph	5.1
0-70 mph	6.5
0-80 mph	8.3
0-90 mph	10.2
0-100 mph	12.2
Time to distance	
0-100 ft	2.9
0-500 ft	7.4
0-900 ft	10.7
0-1320 ft (1/4 mile)	13.6 @ 105.4 mph



Test Notes:

Best acceleration times in the C32 AMG came with holding the engine at 1500 rpm, then stepping hard on the throttle. Even with just 500 more rpm, the AMG will have too much wheel-spin off the line for a quick time. • Around the skidpad, the

car exhibited moderate understeer with the steering feeling a little light. • However, the C32 shone in our slalom with excellent grip and mild understeer. It's also easy to control the car's attitude with throttle modulation.

Braking

Minimum stopping distance
From 60 mph.....118 ft
From 80 mph.....211 ft
Control.....excellent
Brake feel.....very good
Overall brake rating.....excellent

Subjective ratings consist of excellent, very good, good, average, poor; na means information is not available

Fuel Economy

Our driving.....est 18.0 mpg
EPA city/highway.....17/22 mpg
Cruise range.....315 miles
Fuel capacity.....18.5 gal.

Handling

Lateral acceleration
(200-ft skidpad).....0.86g
Balance.....moderate understeer
Speed through
700-ft slalom.....64.0 mph
Balance.....mild understeer
Lateral seat support.....very good

Interior Noise

Idle in neutral.....48 dBA
Maximum in 1st gear.....74 dBA
Constant 50 mph.....63 dBA
70 mph.....69 dBA

Test Conditions:

Temperature	Humidity	Elevation	Wind
62° F	29%	1475 ft	heavy