

MERCEDES-BENZ E320 BLUETEC

MFR'S SPECS

C/D RESULTS

Price
(AS TESTED)

\$57,835

BASE: \$52,325

Vehicle type: front-engine, rear-wheel-drive, 5-passenger, 4-door sedan

Options on test car: Premium II package (includes DVD navigation, Sirius satellite radio, heated front seats, power rear sunshade, keyless entry and ignition, bi-xenon active headlamps), \$4290; metallic paint, \$700; power trunk closer, \$520

Major standard accessories: power windows, seats, locks, and sunroof; remote locking; A/C; cruise control; tilting and telescoping steering wheel

Sound system: Harman/Kardon AM-FM-Sirius satellite radio/CD changer, 12 speakers

Fuel Capacity

21.1 gal



EPA		C/D OBSERVED
CITY	HWY	
26	37	29

INTERIOR
RESTRAINT SYSTEMS

Front: manual 3-point belts; driver and passenger front, side, and curtain airbags

Rear: manual 3-point belts, side and curtain airbags

SEAT ADJUSTMENTS

Front: fore-and-aft, seatback angle, front height, rear height, headrest height, manual lumbar

REAR SEATS
Folding

YES NO

Split

YES NO

Pass-Through

YES NO

MEASUREMENTS (in)

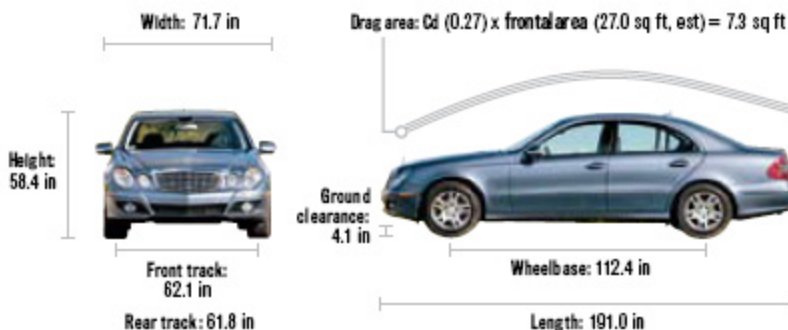
	Head	Leg	Shoulder
FRONT	39.1	41.9	56.4
REAR	37.8	35.6	56.1

SAE VOLUME	Front	Rear	Trunk
	53 cu ft	44 cu ft	16 cu ft

DIMENSIONS
WEIGHT: Curb: 4002 lb Per horsepower: 19.2 lb

DISTRIBUTION: Front: 53.9% Rear: 46.1%

TOWING CAPACITY: 0 lb

GVW: 4990 lb


Chassis type: unit construction

Body material: welded steel and aluminum stampings

STEERING

Rack-and-pinion with variable hydraulic power assist

Steering ratio: 14.7:1 Turns lock-to-lock: 2.7 Turning circle curb-to-curb: 37.4 ft

SUSPENSION

Front: ind; 1 upper control arm, 1 lower lateral link, and 1 diagonal link per side; coil springs; anti-roll bar

Rear: ind; 2 lateral links, 2 diagonal links, and 1 toe-control link per side; coil springs; anti-roll bar

WHEELS+TIRES

Wheel size/type: 8.0 x 16 in/cast aluminum

Tires: Michelin Energy MXV4 Plus, P225/55R-16 95H

Spare: high-pressure compact

BRAKES

Hydraulic with vacuum power assist, anti-lock control, and electronic panic assist

 Traction Control
 YES NO
 Deletable NO

 Stability Control
 YES NO
 Deletable YES

 F: 12.3 x 1.1-in vented disc
 R: 11.8 x 0.4-in disc

ENGINE

Turbocharged and intercooled V-6 diesel, aluminum block and heads

Bore x stroke: 3.27 x 3.62 in, 83.0 x 92.0 mm

Displacement: 182 cu in, 2987cc

Compression ratio: 16.5:1

Fuel-delivery system: common-rail direct injection

Turbocharger: Garrett GT20V

Maximum boost pressure: 29.0 psi

Valve gear: chain-driven double overhead cams, 4 valves per cylinder, hydraulic lifters

Power (SAE net): 208 bhp @ 3800 rpm

Torque (SAE net): 400 lb-ft @ 1800 rpm

Redline: 4600 rpm

DRIVETRAIN

Transmission: 7-speed automatic with manumatic shifting

Final-drive ratio: 2.65:1

GEAR	RATIO	MPH PER 1000 RPM	MAX TEST SPEED
I	4.38	6.2	29 mph (4600 rpm)
II	2.86	9.5	44 mph (4600 rpm)
III	1.92	14.2	65 mph (4600 rpm)
IV	1.37	19.9	91 mph (4600 rpm)
V	1.00	27.2	125 mph (4600 rpm)
VI	0.82	33.2	130 mph (3900 rpm)
VII	0.73	37.3	130 mph (3500 rpm)

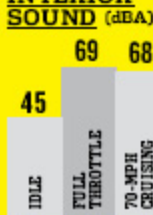
POWERTRAIN
TEST RESULTS
HANDLING
ROADHOLDING

UNDERSTEER

MINIMAL

MODERATE

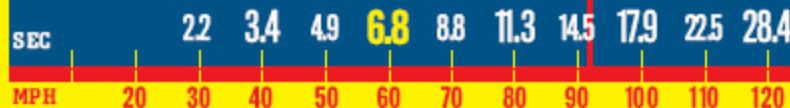
EXCESSIVE

INTERIOR SOUND (dBA)

NOTES

In automatic and manumatic modes, the transmission shifts just before the 4600-rpm redline.

ACCELERATION

1/4-mile: 15.1 sec @ 92

TOP SPEED
130
 gov ltd


5-60 street start: 7.2 sec Top gear, 30-50: 3.7 sec Top gear, 50-70: 4.7 sec

BRAKING

70-0 MPH

175 ft
WEATHER

Temperature: 40°F

Humidity: 90.3%

Barometric pressure: 29.05 in Hg

ODOMETER

Test-vehicle mileage: 7780

TIRE INFLATION

Test pressures: Front 28 psi Rear 33 psi

VEHICLE
CHASSIS