

BMW 330d

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

Price as tested (Germany): \$51,958 (includes \$7167 value-added tax)

Options on test car: M Sport package (includes sport suspension, body kit, and 17-inch M Sport wheels and performance tires)

Major standard accessories: power windows and locks, A/C, tilting and telescoping steering wheel, rear defroster

Sound system: BMW AM-FM radio/CD player, 4 speakers

ENGINE

Type..... turbocharged and intercooled inline-6 diesel, aluminum block and head
 Bore x stroke..... 3.31 x 3.54 in, 84.0 x 90.0mm
 Displacement..... 183 cu in, 2993cc
 Compression ratio..... 17.0:1
 Fuel-delivery system..... common-rail direct injection
 Turbocharger..... Garrett GT22 60V
 Maximum boost pressure..... 22.6 psi
 Valve gear..... chain-driven double overhead cams, 4 valves per cylinder, hydraulic lifters
 Power (SAE net)..... 228 bhp @ 4000 rpm
 Torque (SAE net)..... 369 lb-ft @ 1750 rpm
 Redline..... 4800 rpm

DRIVETRAIN

Transmission..... 6-speed manual
 Final-drive ratio..... 2.56:1

Gear	Ratio	Mph/1000 rpm	Max test speed
I	5.09	5.5	27 mph (4800 rpm)
II	2.80	10.1	48 mph (4800 rpm)
III	1.80	15.7	75 mph (4800 rpm)
IV	1.26	22.4	107 mph (4800 rpm)
V	1.00	28.2	135 mph (4800 rpm)
VI	0.83	33.9	155 mph (4550 rpm)

DIMENSIONS

Wheelbase..... 108.7 in
 Track, front/rear..... 59.1/59.6 in
 Length/width/height..... 178.0/71.5/55.9 in
 Ground clearance..... 4.0 in

Drag area, Cd (0.29) x frontal area (22.7 sq ft)..... 6.6 sq ft
 Curb weight..... 3492 lb
 Weight distribution, F/R..... 51.6/48.4%
 Curb weight per horsepower..... 15.3 lb
 Fuel capacity..... 16.1 gal

CHASSIS/BODY

Type..... unit construction
 Body material..... welded steel stampings

INTERIOR

SAE volume, front seat..... 50 cu ft
 rear seat..... 41 cu ft
 trunk..... 12 cu ft
 Front-seat adjustments..... fore-and-aft, seatback angle, front height, rear height, upper side bolsters, thigh support
 Restraint systems, front..... manual 3-point belts; driver and passenger front, side, and curtain airbags
 rear..... manual 3-point belts, curtain airbags

SUSPENSION

Front..... ind, strut located by 1 diagonal link and 1 lateral link, coil springs, anti-roll bar
 Rear..... ind; 2 diagonal links, 2 lateral links, and 1 toe-control link per side; coil springs; anti-roll bar

STEERING

Type..... rack-and-pinion with variable hydraulic power assist
 Steering ratio..... 16.0:1
 Turns lock-to-lock..... 3.0
 Turning circle curb-to-curb..... 36.1 ft

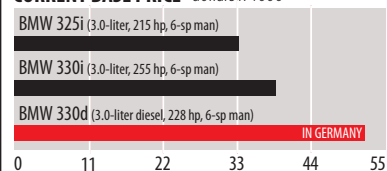
BRAKES

Type..... hydraulic with vacuum power assist and anti-lock control
 Front..... 11.8 x 0.9-in vented disc
 Rear..... 11.8 x 0.8-in vented disc

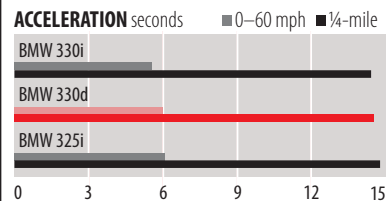
WHEELS AND TIRES

Wheel size..... F: 8.0 x 17 in, R: 8.5 x 17 in
 Wheel type..... cast aluminum
 Tires..... Pirelli eufori@ run-flat; F: 225/40R-17 91W, R: 255/40R-17 94W
 Test inflation pressures, F/R..... 33/36 psi
 Spare..... none

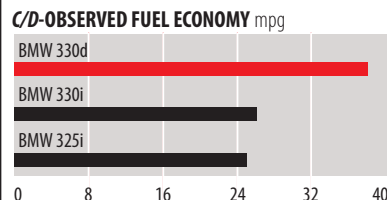
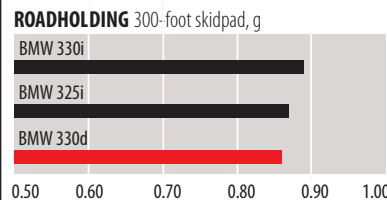
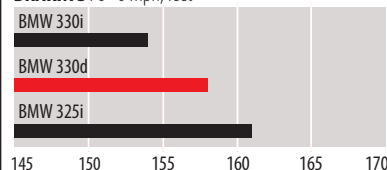
CURRENT BASE PRICE* dollars x 1000



*Base price includes freight, any performance options, and applicable gas-guzzler tax.



BRAKING 70-0 mph, feet



C/D TEST RESULTS

ACCELERATION	Seconds
Zero to 30 mph	2.2
40 mph	3.2
50 mph	4.6
60 mph	6.0
70 mph	7.7
80 mph	10.1
90 mph	12.4
100 mph	15.3
110 mph	19.4
120 mph	23.8
130 mph	29.8
Street start, 5-60 mph	6.7
Top-gear acceleration, 30-50 mph	13.1
50-70 mph	7.5
Standing 1/4-mile	14.5 sec @ 97 mph
Top speed (governor limited)	155 mph

BRAKING

70-0 mph @ impending lockup..... 158 ft

HANDLING

Roadholding, 300-ft-dia skidpad..... 0.86 g
 Understeer..... minimal moderate excessive

FUEL ECONOMY

European urban cycle..... 32 mpg
 extra-urban cycle..... 55 mpg
 combined..... 44 mpg
 C/D-observed..... 38 mpg

INTERIOR SOUND LEVEL

Idle..... 47 dBA
 Full-throttle acceleration..... 73 dBA
 70-mph cruising..... 68 dBA