

VOLVO S80 AWD

MFR'S SPECS C/D RESULTS

Price
(AS TESTED)

\$56,025

BASE: \$48,045

Vehicle type: front-engine, 4-wheel-drive, 5-passenger, 4-door sedan
Options on test car: Sport/ZUBRA package (includes 18-inch wheels, leather seats, vented front seats, bixenon headlights, adjustable shocks), \$2495; premium sound system, \$1550; adaptive cruise control, \$1495; Climate package (includes heated front seats, rain-sensing wipers, headlamp cleaning, heated washer nozzles), \$725; metallic paint, \$625; blind-spot warning system, \$595; personal car communicator, \$495
Major standard accessories: power windows, seats, locks, and sunroof; remote locking; A/C; cruise control; tilting and telescoping steering wheel; rear defroster
Sound system: Dolby Pro Logic II AM-FM radio/CD changer, 10 speakers

Fuel Capacity		18.5 gal
MPG	EPA CITY	17
	EPA HWY	25
C/D OBSERVED		14

INTERIOR

RESTRAINT SYSTEMS

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

Rear: manual 3-point belts, curtain airbags

SEAT ADJUSTMENTS

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

REAR SEATS

Folding
 YES NO

Split
 YES NO

Pass-Through
 YES NO

MEASUREMENTS (in)

	Head	Leg	Shoulder
FRONT	37.8	41.9	57.4
REAR	38.3	35.0	56.3

SAE VOLUME	Front	Rear	Trunk
	53 cu ft	44 cu ft	15 cu ft

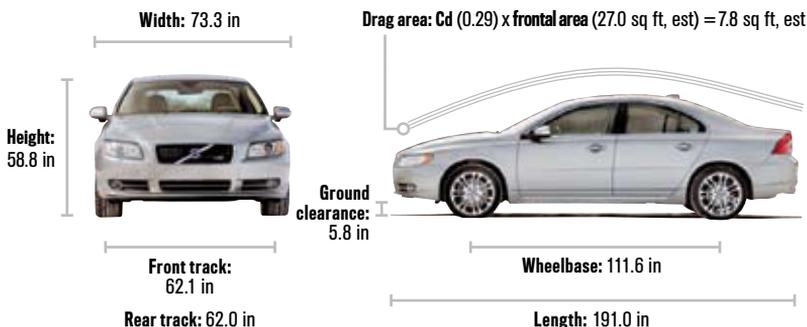
DIMENSIONS

WEIGHT: Curb: 4179 lb Per horsepower: 13.4 lb

TOWING CAPACITY: 3300 lb

DISTRIBUTION: Front: 61.5% Rear: 38.5%

GVW: 4065 lb



Chassis type: unit construction with 2 rubber-isolated subframes

Body material: welded steel stampings

STEERING

Rack-and-pinion with variable hydraulic power assist

Steering ratio: 16.0:1 **Turns lock-to-lock:** 2.7 **Turning circle curb-to-curb:** 40.0 ft

SUSPENSION

Front: ind, strut located by a control arm, coil springs, 3-position cockpit-adjustable shocks, anti-roll bar

Rear: ind, 1 trailing link and 3 lateral links per side, coil springs, 3-position cockpit-adjustable shocks, anti-roll bar

WHEELS-TIRES

Wheel size/type: 8.0 x 18 in, cast aluminum

Tires: Pirelli PZero Rosso, 245/40ZR-18 97Y

Spare: inflation kit

BRAKES

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

Traction Control
 YES NO
 Defeatable **YES**

Stability Control
 YES NO
 Defeatable **YES**

F: 12.4 x 1.1-in vented disc **R:** 11.9 x 0.9-in vented disc

ENGINE

V-8, aluminum block and heads

Bore x stroke: 3.70 x 3.13 in, 94.0 x 79.5mm

Displacement: 269 cu in, 4414cc

Compression ratio: 10.4:1

Fuel-delivery system: port injection

Valve gear: chain-driven double overhead cams, 4 valves per cylinder, hydraulic lifters, variable intake- and exhaust-valve timing

Power (SAE net): 311 bhp @ 5950 rpm

Torque (SAE net): 325 lb-ft @ 3950 rpm

Redline: 6500 rpm

DRIVETRAIN

Transmission: 6-speed automatic with manumatic shifting

Final-drive ratio: 3.33:1, limited slip

4-wheel-drive system: full time with automatic rear-axle engagement and open front and rear differentials, brake-based traction control

GEAR	RATIO	MPH PER 1000 RPM	MAX TEST SPEED
I	4.15	5.4	35 mph (6500 rpm)
II	2.37	9.4	61 mph (6500 rpm)
III	1.57	14.2	92 mph (6500 rpm)
IV	1.16	19.2	125 mph (6500 rpm)
V	0.86	25.9	132 mph (5100 rpm)
VI	0.69	32.3	132 mph (4100 rpm)

TEST RESULTS

HANDLING

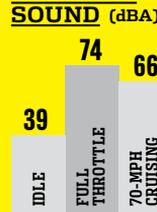
ROADHOLDING



UNDERSTEER



INTERIOR SOUND (dBA)



NOTES

Several steps are required to switch the stability-control system into the less-intrusive mode, and it still intervenes too readily.

WEATHER

Temperature: 54°F
 Humidity: 36.0%
 Barometric pressure: 27.40 in Hg

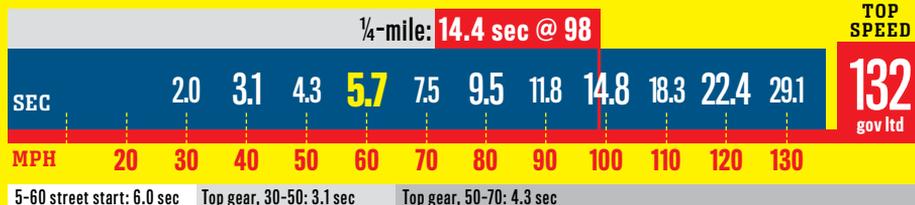
ODOMETER

Test-vehicle mileage: 2029

TIRE INFLATION

Test pressures: Front 36 psi Rear 36 psi

ACCELERATION



BRAKING

70-0 MPH



161 ft