

## 2007 CADILLAC STS-V SPECIFICATIONS

### Overview

Model:	Cadillac STS- V
Body style / driveline:	luxury 4-door high-performance sedan with rear-wheel drive
Construction:	unitized welded steel body with direct-mounted front cradle and rubber-isolated, multi-link independent rear suspension assembly
Manufacturing location:	Lansing Grand River Assembly, Lansing, Mich.
Key competitors:	BMW M5, Mercedes Benz AMG E55

### Engine

Configuration:	supercharged 4.4L Northstar DOHC V-8 SC
Displacement (cu in / cc):	267 / 4371
Bore & stroke:	91 mm x 84 mm
Block material:	upper – sand-cast 319 T7 aluminum lower – die-cast aluminum
Cylinder head material:	319 T7 semi-permanent mold cast aluminum alloy
Valvetrain:	roller follower DOHC, 4 valves per cylinder, variable valve timing
Ignition system:	coil-on-plug with extended-life dual platinum-tipped spark plugs
Fuel delivery:	returnless, electronic sequential fuel injection
Compression ratio:	9.0:1
Horsepower (hp @ rpm):	469 @ 6400 rpm
Torque (lb-ft / Nm @ rpm):	439 / 595 @ 3900 rpm
Recommended fuel:	premium required
Maximum engine speed (rpm @ fuel shutoff):	6700
Emissions controls:	<ul style="list-style-type: none"><li>• BIN8/EURO 4 compliant</li><li>• close-coupled catalytic converters</li><li>• EGR and AIR not required</li><li>• meets Federal, California, and LEV2 evaporative emissions standards</li></ul>

## Transmission – Hydra-Matic 6L80

Type:	six-speed, rear-wheel drive, electronically controlled, automatic overdrive transmission with torque converter clutch; clutch-to-clutch architecture with integral electro/hydraulic control module
Gear ratios:	
First:	4.03
Second:	2.36
Third:	1.53
Fourth:	1.15
Fifth:	0.85
Sixth:	0.67
Final drive ratio:	3.23
Reverse:	-3.06

## Chassis/Suspension

Front:	independent, short/long arm, coil-over performance tuned monotube shocks, anti-roll bar
Rear:	independent, modified multi-link, coil springs, Nivomat performance-tuned load-leveling shocks, anti-roll bar
Traction control system:	full-range
Stabilizer bar:	front: hollow, 36-mm diameter rear: hollow, 24-mm diameter
Steering type:	power-assisted rack and pinion; ZF Servotronic II variable assist system steering ratio = 17.2:1, variable ratio
Steering wheel turns, lock-to-lock:	2.85
Turning circle, curb-to-curb (ft / m):	38.8 / 11.82

## Brakes

Type:	Brembo high-performance vented cast-iron disc brakes with four-piston calipers. Power-assist – vacuum with antilock control, traction control, StabiliTrak stability control.
Rotor diameter x thickness (in / mm):	front: 14 / 355 diameter 1.25 / 32 width  rear: 14.3 / 365 diameter 1.1 / 28 width

## Wheels/Tires

Wheel size and type:	front: 18 x 8.5-inch aluminum alloy six-lug rear: 19 x 9.5-inch aluminum alloy six-lug
Tires:	front: P255/45R18 Extended Mobility – Pirelli rear: P275/40R19 Extended Mobility – Pirelli

## Dimensions

Vehicle length (in / mm):	197.6 / 5018.7
Overall width (in / mm):	72.6 / 1844
Wheelbase (in / mm):	116.4 / 2956.1
Vehicle height @ curb (in / mm):	58.2 / 1477.6
Tread - front (C/L of at ground (in / mm):	66.0 / 1677.4
Tread - rear (C/L of at ground) (in / mm):	61.9 / 1571.5

## Capacities

Fuel tank (gal / L):	17.5 / 66.2
Engine oil (qt / L):	10 / 9.4
Cooling system (qt / L):	10.9 / 10.3
Seating capacity (front / rear):	2 / 3
Curb weight (lb / kg):	4294.6 / 1948