

## 2007 CADILLAC STS SPECIFICATIONS

### Overview

Model:	Cadillac STS
Body style / driveline:	luxury 4-door performance sedan with rear-wheel drive or all-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 5 & 7-Series, Mercedes Benz E-Class, Lexus GS/LS 430, Audi A6, Jaguar S-Type

### Engine

	<b>3.6L V-6 VVT</b>	<b>4.6L Northstar V-8 VVT</b>
Type:	3.6L V-6 VVT	4.6L V-8 VVT
Displacement (cu in / cc):	217 / 3564	279 / 4565
Bore & stroke (in / mm):	3.7 x 3.37 / 94 x 85	3.66 x 3.3 / 93 x 84
Block material:	cast aluminum	cast aluminum
Cylinder head material:	semi-permanent mold aluminum	semi-permanent mold aluminum
Valvetrain:	dual-overhead camshafts, 4 valves per cylinder, continuously variable valve timing	dual-overhead camshafts, 4 valves per cylinder, continuously variable valve timing
Ignition system:	coil-on-plug with extended-life dual platinum-tipped spark plugs	coil-on-plug with extended-life dual platinum-tipped spark plugs
Fuel delivery:	returnless sequential fuel injection	returnless sequential fuel injection
Compression ratio:	10.2:1	10.5:1
Horsepower (hp @ rpm):	254 @ 6500	320 @ 6400
Torque (lb-ft / Nm @ rpm):	252 / 339 @ 3200	315 / 427 @ 4400
Recommended fuel:	87 octane unleaded regular	premium recommended but not required
Maximum engine speed (rpm):	6700	6750

## Emission Controls

	evaporative system, close-coupled catalytic converters, positive crankcase ventilation, inlet and exhaust cam phasers, electronic throttle control, feedback air-fuel-ratio control	evaporative system, close-coupled catalytic converters, positive crankcase ventilation, inlet and exhaust cam phasers, electronic throttle control, feedback air-fuel-ratio control
Estimated fuel economy (mpg city / hwy / combined):	RWD: 18 / 27 / 24.4 AWD: 17 / 25 / 23.1	TBD

## Transmissions

	<b>Hydra-Matic 5L40 (V-6)</b>	<b>Hydra-Matic 6L50 (V-8)</b>
Type:	5-speed electronically controlled automatic with lockup torque converter, driver shift control, and performance algorithm liftfoot	6-speed electronically controlled automatic with lockup torque converter, clutch to clutch architecture, integral Electro/hydraulic control module, Driver Shift Control, and performance algorithm liftfoot
Gear ratios (:1):		
First:	3.42	4.06
Second:	2.21	2.37
Third:	1.60	1.55
Fourth:	1.00	1.15
Fifth:	0.75	0.85
Sixth:	N/A	0.67
Reverse:	3.02	3.20
Final drive ratio:	RWD: 3.42 AWD: 3.23	RWD: 3.42 AWD: 3.23

## Chassis/Suspension

	Standard/Luxury Package	Sport Package
Front:	independent, short/long arm, coil-over shock, anti-roll bar	independent, short/long arm, coil-over shock, anti-roll bar
Rear:	independent, modified multi-link, coil springs, automatic load leveling shock absorbers, anti-roll bar	independent, modified multi-link, coil springs, magnetic ride control, pneumatic load leveling, anti-roll bar
Traction control system:	full-range	full-range
Stabilizer bar: Front:	hollow, 33-mm diameter	hollow, 33-mm diameter
Rear:	RWD: hollow, 17-mm diameter AWD: hollow, 24-mm diameter	RWD: hollow, 19-mm diameter AWD: hollow, 24-mm diameter
Steering type:	power-assisted rack and pinion; steering ratio: 18.2:1, variable ratio; ZF Servotronic II variable assist system available; steering ratio: 18.2:1, variable ratio	power-assisted rack and pinion; ZF Servotronic II variable assist system available; steering ratio: 18.2:1, variable ratio
Steering wheel turns, lock-to-lock:	3	3
Turning circle, curb-to-curb (ft / m):	V-6 w/17-inch tyres: 36.9 / 11.5 V-6 w/18-inch tyres: 38.8 / 11.82	V-8 w/17-inch tyres: 37.7 / 11.5 V-8 w/18-inch tyres: 38.8 / 11.82

## Brakes

Type:	power-assist – vacuum with anti-lock control, traction control and StabiliTrak	power-assist – vacuum with anti-lock control, traction control, StabiliTrak. Optional high-performance European brake linings
Rotor diameter x thickness (in / mm):	front: 11.9 x 1.3 / 303 x 32 vented disc rear: 11.7 x 1.0 / 298 x 26 vented disc	front: 12.7 x 1.3 / 323 x 32 vented disc rear: 12.6 x 1.0 / 320 x 26 vented disc

## Wheels/Tyres

Wheel size and type:	17 x 7-inch cast aluminum or 18 x 8-inch flow formed aluminum	17 x 7.5/8.0-inch (split size) aluminum or 18 x 8-inch flow formed aluminum
Tyres:	Michelin V-rated, 235/50R17 & 255/45R17 or Michelin ALS 235/50R17	Michelin V-rated, 235/50R17 & 255/45R17 or Michelin W-rated, 235/50R18 & 255/45R18 or Michelin Pilot Sport, 255/45R18

## Dimensions

### Exterior

Wheelbase (in / mm):	116.4 / 2956
Overall length (in / mm):	196.3 / 4986
Overall width (in / mm):	72.6 / 1844
Overall height (in / mm):	57.6 / 1463
Track (in / mm):	front: 61.8 / 1569 rear: 62.3 / 1581
Curb weight (lb / kg):	3.6L automatic: 3857 / 1750 3.6L automatic w/AWD: 3660 / 1795 4.6L automatic: 3921 / 1779 4.6L automatic w/AWD: 4230 / 1919
Weight distribution (% front / rear):	V-6: 52 / 48 V-8: 54 / 46

<b>Interior</b>	
Headroom (in / mm):	front: 38.7 / 983 rear: 37.9 / 962
Legroom (in / mm):	front: 42.6 / 1082 rear: 38.3 / 972
Shoulder room (in / mm):	front: 58.6 / 1488 rear: 57.4 / 1458
Hip room (in / mm):	front: 54.6 / 1387 rear: 55.6 / 1412

## Capacities

EPA total volume (cu ft):	116.7
EPA trunk volume (cu ft):	13.8
Trailer towing maximum (lb / kg):	1000 / 454
Fuel tank (gal / L):	17.5 / 66.2
Engine oil (qt / L):	V-6: 5 / 4.7 V-8: 10 / 9.4
Cooling system (qt / L):	10.9 / 10.3
Seating capacity (front / rear):	2 / 3