

2007 CADILLAC BLS SPECIFICATIONS

Overview

Models: BLS Sedan

Body style / driveline: 4-door, 5-passenger, front-wheel drive sedan

Engines

	2.0T	2.0T	2.8L V6T
Application:	std on entry	optional on up-level	optional on up-level
Type:	2.0L L4 high output turbo	2.0L L4 high output turbo	2.8L V6 cylinder high output turbo
Displacement (cc):	1998	1998	2792
Bore & stroke (mm):	86 x 86	86 x 86	89 x 74.8
Block material:	aluminium	aluminium	aluminum
Cylinder head material:	aluminium	aluminium	356-T6 aluminum
Valvetrain:	dual double overhead belt and chain driven camshafts, 4 valves per cylinder, counter-rotating balance shafts	dual double overhead belt and chain driven camshafts, 4 valves per cylinder, counter-rotating balance shafts	dual overhead cam, 4 valves per cylinder, continuously variable valve timing
Ignition system:	Trionic-8	Trionic-8	Bosch Motronic ME 9.6
Fuel delivery:	direct ignition, multi-point fuel injection	direct ignition, multi-point fuel injection	Distributor-less ignition, multi-point fuel injection
Compression ratio:	9.5:1	9.5:1	10.0:1
Horsepower (hp @ rpm):	175 @ 5500	210 @ 5500	255 @ 5500
Torque (Nm @ rpm):	265 @ 2500	300 @ 2500	365 @ 1800-4500 incl. over-boost with +15 Nm during 10 seconds
Aspiration:	water-cooled turbocharger with APC	water-cooled turbocharger with APC charge pressure	water-cooled turbocharger with APC

	charge pressure control, intercooler	control, intercooler	charge pressure control, intercooler
Estimated fuel economy (L/100km city / hwy / combined):	manual: 11.2 / 6.3 / 8.1 auto: 12.9 / 6.7 / 9.0	manual: 12.0 / 6.4 / 8.5 auto: 13.7 / 6.5 / 9.1	manual: 15.4 / 7.1 / 10.2 auto: 16.9 / 7.2 / 10.8
CO2 emission combined (g/km) M/A	193/216	202/218	245/259
Top speed (km/h)	manual: 220, automatic: 220	manual: 235, automatic: 230	manual: 250, automatic: 245
Acceleration (sec) 0 – 100 km/h	manual: 8.7, automatic: 9.7	manual: 7.9, automatic: 8.8	manual: 6.9, automatic: 7.5

Transmissions

Type:	5-speed manual (2.0 T – 175 hp)	5-speed auto (2.0 T – 175 hp) (2.0 T – 210 hp) With DSC (Driver Shift Control)	6-speed auto (2.8L V6T – 255 hp) With DSC (Driver Shift Control)
Gear ratios (:1):			
First:	3.58	4.56	4.15
Second:	3.38	2.98	2.37
Third:	1.88	1.95	1.56
Fourth:	1.76	1.32	1.15
Fifth:	1.18	1.00	0.86
Sixth:	1.18		0.69
Reverse:	0.89	5.02	3.39
Final drive ratio:	0.89	2.48	3.20
	0.66		
	0.66		
	-	-	
	3.43		
	3.17		
	3.55		
	4.05		

Chassis/Suspension

Front:	McPherson struts, gas shock absorbers, anti-roll bar, isolated hydro-formed subframe
Rear:	independent, 4-link (including toe-link), coil springs, gas shock absorbers, anti-roll bar, isolated sub-frame,
Steering type:	hydraulic power-assisted rack and pinion
Steering ratio:	16.0:1 for all gasoline models
Steering wheel turns, lock-to-lock	2.97 for 4-cyl gasoline, 2.75 for 4-cyl V6 gasoline
Turning circle, curb to curb (m):	10.8 (4-cyl) 11.7 (6-cyl)

Brakes

Type:	4-wheel disc, hydraulic, dual-circuit with electronic brake-force distribution (EBD), mechanical brake assist (MBA), vacuum booster, anti-lock braking system (ABS), traction control system (TCS) and electronic stability program (ESP), ventilated front discs on all models
Rotor diameter x thickness (mm):	front: 285 x 25 Comfort level; 285 x 25 Elegance 4cyl, 314 x 28 Elegance V6, 302 x 28 Sport Luxury rear: 278 x 20 Comfort level; 292 x 20 Elegance 4cyl, 292 x 20 Elegance V6, 292 x 20 Sport Luxury

Wheels and Tyres

Wheel size and type:	Comfort: 6.5 x 16 seven-spoke, alloy wheels Elegance 4-cyl: 7.0 x 17 seven-spoke, alloy wheels Elegance V6: 7.5 x 17 seven-spoke, alloy wheels Sports package: 7.5 x 18 seven-spoke, alloy wheels
Tyres:	Comfort: 215/55 R16 93V radial tyres Elegance 4-cyl: 225/45 R17 94W RF/XL Elegance V6 : 235/45 R17 94W RF/XL Sports package: 225/45R18 95W RF/XL

Dimensions

Wheelbase (mm):	2675
Overall length (mm):	4680
Overall width (mm):	1752
Overall height (mm):	1471
Track (mm):	front: 1524, rear 1506
Minimum ground clearance at max weight (mm)	120
Curb weight (kg):	1460 – 1650 kg
Weight distribution curb weight (% front / rear): max weight	60 / 40 50 / 50

Interior

Seating capacity (front / rear):	sedan: 2 / 3
Headroom (mm):	front: 988 rear: 940
Shoulder room (mm):	front: 1414 rear: 1402

Capacities

Cargo volume (L):	425
Fuel tank (L):	58
Engine oil (L):	6.0 4-cylinder, 5.7 6-cylinder