

2007 CHRYSLER ASPEN

SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted.
All dimensions measured at curb weight with standard tires and wheels.

GENERAL INFORMATION

Body Style	Four-door, full-size sport-utility vehicle
Assembly Plant	Newark, Delaware
EPA Vehicle Class	Multi-purpose vehicle

ENGINE: NEXT-GENERATION 4.7-LITER MAGNUM®, SOHC, 16-VALVE SMPI V-8

Availability	Standard
Type and Description	90-degree V-type, liquid-cooled
Displacement	287 cu. in. (4701 cu. cm)
Bore x Stroke	3.66 x 3.41 (93.0 x 86.5)
Valve System	Chain-driven SOHC, 16 valves and hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Cast-iron block and bedplate, aluminum alloy heads

ENGINE: NEXT-GENERATION 4.7-LITER MAGNUM®, SOHC, 16-VALVE SMPI V-8 (continued)

Compression Ratio	9.0:1
Power (estimated SAE net)	235 bhp (172 kW) @ 4,600 rpm (50.0 bhp/L)
Torque (estimated SAE net)	300 lb.-ft. (393 N•m) @ 3,600 rpm
Maximum Engine Speed	6,000 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	6 qt. (5.7L)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors, electronic EGR and internal engine features ^(a)
EPA Fuel Economy mpg (City/Hwy)	14/19 — 2WD or 14/18 — 4WD

ENGINE: 5.7-LITER HEMI® MAGNUM, OHV, V-8 WITH MDS

Availability	Optional
Type and Description	90-degree V-type, liquid-cooled
Displacement	345 cu. in. (5654 cu. cm)
Bore x Stroke	3.92 x 3.58 (99.5 x 90.9)
Valve System	Pushrod-operated overhead valves, 16 valves and hydraulic lifters with roller followers
Fuel Injection	Sequential, multi-port, electronic, returnless

^(a) Meets SULEV I emission requirements in CA, NY, MA, ME and VT. Meets Tier 2, Bin 10C emissions in other states.

ENGINE: 5.7-LITER HEMI® MAGNUM, OHV, V-8 WITH MDS (continued)

Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	9.6:1
Power (estimated SAE net)	335 bhp (250 kW) @ 5,200 rpm (58.8 bhp/L)
Torque (estimated SAE net)	370 lb.-ft. (502 N•m) @ 4,200 rpm
Maximum Engine Speed	5,800 rpm (electronically limited)
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2 — recommended Unleaded regular, 87 octane (R+M)/2 — acceptable
Oil Capacity	7 qt. (6.6L)
Coolant Capacity	18.7 qt. (17.7L)
Emission Control	Dual three-way catalytic converters, heated oxygen sensors, electronic EGR and internal engine features ^(b)
EPA Fuel Economy mpg (City/Hwy)	15/20 — 2WD, 14/19 — 4WD

^(b) Meets LEV I emission requirements in CA, NY, MA, ME and VT. Meets Tier 2, Bin 10A emission requirements in 45 remaining states.

TRANSMISSION: 5-45RFE, AUTOMATIC FIVE-SPEED

Availability	Included with 4.7L and 5.7L engines
Description	Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled torque converter clutch
Gear Ratios	
1st	3.00
2nd	1.67 — upshift; 1.50 — kick-down
3rd	1.00
4th	0.75
5th	0.67
Overall Top Gear	2.38 with 3.55 axle or 2.63 with 3.92 axle

TRANSFER CASE: NV144HD

Availability	Standard with 4.7L engine
Type	Single-speed, electronically shifted
Operating Modes	AWD; Locked (4 Lock)
Low-Range Ratio	None
Center Differential	Planetary
Torque Split, Front/Rear	48/52

TRANSFER CASE: NV244HD

Availability	Optional — included with 5.7L engine
Type	Two-speed, electronically shifted
Operating Modes	AWD; Neutral; Locked (4 Lock); Locked (4 Lo)
Low Range Ratio	2.72
Center Differential Type	Planetary with lock
Torque Split, Front/Rear	48/52

ELECTRICAL SYSTEM

Alternator	160-amp — standard
Battery	Group 65 maintenance-free: 750 CCA — standard

DIMENSIONS AND CAPACITIES

Wheelbase	119.2 (3027)
Track, Front	64.4 (1635.8)
Track, Rear	64.4 (1635.8)
Overall Length	200.8 (5101)
Overall Width	76.0 (1930)
Overall Height	74.3 (1887)
Load Floor Height	33.2 (842)
Sill Step Height	21.4 (544.3)
Ground Clearance	
Chassis (fuel tank)	10.0 (254)
Front axle	10.1 (255.9)
Rear axle	8.7 (220.9)
Frontal Area	33.36 sq. ft. (3.099 sq. m)
Drag Coefficient	0.391
Fuel Tank Capacity	27 gal. (102L)

ACCOMMODATIONS

Seating Capacity, Front/Second/Rear	2/3/2 — standard; 2/3/3 — optional; 2/2/3 — optional
Front Seat	
Head room	40.8 (1036)
Legroom	41.4 (1050.8)
Shoulder room	59.4 (1508.6)
Hip room	58.8 (1492.5)
Seat travel	8.7 (220)
Recliner range, degrees	69
SAE volume	58.0 cu. ft. (1.642 cu. m)
Second Seat	
Head room	39.3 (997.5)
Legroom	37.4 (949)
Shoulder room	59.6 (1515)
Hip room	57.2 (1452)
SAE volume	50.6 cu. ft. (1.4 cu. m)

ACCOMMODATIONS (continued)

Third Seat		
Head room		39.2 (997)
Legroom		34.5 (875.1)
Shoulder room		58.9 (1495.4)
Hip room		48.0 (1219.2)
SAE volume		46.5 cu. ft. (1.32 cu. m)
Cargo Volume		
Aft of third-row seat		19.0 (538L)
Aft of second-row seat, third-row seats folded		68.4 cu. ft. (1.94 cu. m)
Aft of front seat, second- and third-row seats folded		102.4 cu. ft. (3.07 cu. m)
Width between wheelhouses		48.2 (1225.2)

BODY AND FRAME

2WD	
Layout	Longitudinal front engine, rear drive
Construction	Ladder-type frame, steel body mounted on 10 rubber isolators
4WD	
Layout	Longitudinal front engine, transfer case for rear-wheel drive or four-wheel drive
Construction	Ladder-type frame, steel body mounted on 10 rubber isolators

SUSPENSION

Front	Upper and lower “A” arms, torsion bars, gas-charged monotube shock absorbers, stabilizer bar
Rear	Live axle, link coil with Watt linkage, gas-charged monotube shock absorbers, stabilizer bar

STEERING

Type	Power rack-and-pinion
Overall Ratio	18.86 — on center, 13.17:1 at full lock
Turning Diameter (curb-to-curb) ^(c)	39.9 ft. (12.2 m)
Steering Turns (lock-to-lock)	3.41

^(c) Turning diameter is measured at the outside of the tires at curb height. Turning diameters and steering wheel turns, lock-to-lock may differ with optional tires and wheels.

BRAKES

Front		
Size and type	13.2 x 1.1 (336 x 28) vented disc with 2.13 (54) two-piston pin-slider caliper and ABS	
Swept area	278 sq. in. (1796 sq. cm)	
Rear		
Size and type	13.8 x 0.87 (352 x 22) disc with 2.13 (54) single-piston pin-slider caliper and single-channel ABS	
Swept area	257 sq. in. (1658 sq. cm)	
Power Assist Type	Dual-rate, tandem diaphragm vacuum	
Electronic Stability Program (ESP)	Standard, with trailer sway control and Electronic Roll Mitigation (ERM)	