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TECHNICAL SPECIFICATIONS: 2006 CHRYSLER 300C SRT8

General Information

Body Style	Four-door sedan
Assembly Plant	Magna Steyr, Graz, Austria

Engine: 6.1-Litre, HEMI® V8

Type and Description	90-degree V-type, liquid-cooled
Displacement	6059 cu. cm
Bore x Stroke	103.0 x 90.9
Valve System	Pushrod-operated overhead valves, 16 valves, sixteen conventional hydraulic lifters, all with roller followers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminium alloy heads with hemispherical combustion chambers
Compression Ratio	10.3:1
Power (estimated SAE net)	317 kW @ 6,000 rpm
Torque (estimated SAE net)	569 Nm @ 4,600 rpm
Max. Engine Speed	6,200 rpm
Fuel Requirement	Premium 98 octane, recommended
Oil Capacity	6.6L
Factory Oil Fill Capacity	Mobil 10W-40 Synthetic Coolant
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	Not rated for trailer tow
Fuel economy (ADR81/01)	14L
Meets EU4 emission requirements	

Transmission: W5A580 Five-Speed Automatic

Availability	Standard
Description	Adaptive electronic control, Performance tuned AutoStick® driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1st	3.59
2nd	2.19
3rd	1.41
4th	1.00
5th	0.83
Reverse	3.16
Final Drive Ratio	3.06
Overall Top Gear	2.54

Electrical system

Alternator	160-amp
Battery	H7 Case, 730 CCA, maintenance-free

Dimensions and capacities⁽¹⁾

Wheelbase (mm)	3,050
Track, Front (mm)	1,600
Track, Rear (mm)	1,605
Overall Length (mm)	5,015
Overall Width (mm)	1,880
Overall Height (mm)	1,462
Ground Clearance (mm)	129
Frontal Area, sq. m	2.4
Drag coefficient (Cd)	0.355
Curb weight, kg—Est.	1,965
Weight dist., F/R	1,090/950
Fuel tank capacity, (L)	71

⁽¹⁾All dimensions measured at curb weight with standard tyres

Accommodations

Seating Capacity, F/R	2,3
Front Head room (mm)	983
Leg room (mm)	1,061
Shoulder room (mm)	1,510
Hip room (mm)	1,421
Seat travel (mm)	Driver—270, passenger— 220
Recliner angle range, deg.	Driver—70, passenger—69
SAE volume cu. m	1.58
Rear Head room (mm)	959
Leg room (mm)	1,020
Knee clearance (mm)	122
Shoulder room (mm)	1,466
Hip room (mm)	1,421
SAE volume, cu. m	1.44
Total interior volume, cu. M	3.00
SAE Cargo Volume, cu. m	442
EPA Interior Volume Index, cu. m	3.46
Trunk Lifterover Height (mm)	768

Body

Layout	Longitudinal front engine, rear-wheel drive
Construction	Unitized Steel Body

Suspension

*SRT tuned front & rear suspension

Front	Independent SLA with high upper "A" arm, coil spring over gas-charged monotube shock absorbers and stabiliser bar
Rear	Five-link independent with coil springs, link-type stabiliser bar, gas-charged shock absorbers and isolated suspension cradle Nivomat™ self-levelling shock absorbers

Steering

Type	Rack and pinion with hydraulic power assist
Overall Ratio	16.1:1
Turning Diameter (curb-to-curb)	11.86 m
Steering Turns (lock-to-lock)	2.75

Tyres

Size and type	P245/45R20 three-season - Front
	P255/45R20 three-season - Rear
Mfr. and model	Goodyear F1 Supercar
Revs per km	452 Front, 447 Rear

Wheels

Type and material	Forged polished aluminium
Size	20 x 9 in.

Brakes

Front

Rotor size and type	360 x 32 vented
Caliper size and type	44 Brembo four-piston fixed with aluminium housing
Swept area	2261 sq. cm

Rear

Rotor size and type	350 x 28 vented
Caliper size and type	32 Brembo four-piston fixed with aluminium housing
Swept area	2036 sq. cm

Four-wheel Anti-lock and Traction Control	Standard
Electronic Stability Control and Brake Assist	Standard
Power Assist Type	203 x 229 active tandem-diaphragm vacuum booster

AustralianCar.Reviews: Chrysler LX 300C (2005-11)

