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Technical Specifications: 2005 Chrysler 300C

5.7L HEMI® V8 Petrol

Type and layout	SMPI, 90-degree, V8, liquid cooled
Displacement	5654 cc (5.7 litres)
Maximum power (SAE net)	250 kW @ 5000 rpm
Maximum torque (SAE net)	525 Nm @ 4000 rpm
Compression ratio	9.6:1
Bore and stroke	99.5 mm x 90.9 mm
Camshafts	Pushrod-operated overhead valves providing architecture for cylinder deactivation (MDS)
Valve system	16 valves, 1 intake and 1 exhaust per cylinder
Fuel injection	Sequential, multi-port, electronic
Materials	Cast iron, deep-skirt block with cast aluminium alloy heads featuring hemispherical combustion chambers
Maximum engine speed	5800 rpm, electronically limited
Oil capacity	6.6 litres, with dry filter
Coolant capacity	13.0 litres
Minimum fuel requirement	91 RON Unleaded Petrol
Emission controls	Dual three-way catalytic converters, with heated oxygen sensors and internal engine features
Emission standards	Meets Stage 4 emission requirements in Europe

3.5L High Output V6 Petrol

Type and layout	SMPI, 60-degree, V6, liquid cooled
Displacement	3518 cc (3.5 litres)
Maximum power (SAE net)	183 kW @ 6400 rpm
Maximum torque (SAE net)	340 Nm @ 3800 rpm
Compression ratio	10.0:1
Bore and stroke	96.0 mm x 81.0 mm
Camshafts	Twin overhead, per cylinder bank
Valve system	24 valves, 2 intake and 2 exhaust per cylinder
Fuel injection	Sequential, multi-port, electronic
Materials	Cast aluminium alloy block with cast iron cylinder liners, cast aluminium alloy heads
Maximum engine speed	6800 rpm, electronically limited
Oil capacity	5.7 litres, with dry filter
Coolant capacity	9.75 litres
Minimum fuel requirement	91 RON Unleaded Petrol
Emission controls	Three-way catalytic converters, electronic EGR and internal engine features
Emission standards	Meets Stage 4 emission requirements in Europe

Transmission

Description	Five-speed electronically controlled adaptive automatic transmission, with choice of fully automatic operation or AutoStick® driver-operated manual control. Fuel-saving torque converter lock-up. Brake/Park safety interlock
Availability	Standard fit with both 3.5L & 5.7L HEMI models
Gear Ratios	
1st	3.58
2nd	2.19
3rd	1.41
4th	1.00
5th	0.83
Reverse	3.17
Final Drive Ratio	2.82
Overall Top Gear	2.34

Driveline

Drivetype	Rear-wheel drive
Driveline	Two-piece driveshaft with subframe-mounted rear differential. Half shaft to each rear wheel fitted with two constant velocity universal joints.

Suspension and damping

Front	Sub-frame mounted, independent by unequal-length double wishbones, with anti-dive geometry. Co-axial coil springs and gas-filled shock absorbers
Rear	Sub-frame mounted, independent five-link, with anti-squat geometry. Separate coil springs and gas-filled shock absorbers

Steering

Type	Hydraulic power-assisted rack and pinion
Overall ratio	16.1:1
Turning circle	11.8 m curb-to-curb
Gearing	2.75 turns lock-to-lock
Adjustment	Steering wheel adjustable for rake (tilt) by 5.4 degrees

Brakes

<u>Front</u>	
Discs	345 mm x 28 mm ventilated
Callipers	42 mm diameter dual-piston sliding callipers
Swept area	1884 sq. cm
<u>Rear</u>	
Discs	320 mm x 22 mm ventilated
Callipers	42 mm diameter single-piston callipers
Swept area	1680 sq. cm
<u>System</u>	
Power assistance	Tandem diaphragm vacuum
ABS anti-lock	Standard
Traction control	Standard
ESP	Standard
Brake Assist	Standard

Wheels and tyres

Type and material	Cast aluminium with x-bolt mountings
Front	18.0 x 7.5 inch, with 225/60R 18W tyres
Rear	18.0 x 7.5 inch, with 225/60R 18W tyres
Tyre make and type	Pirelli P7

Other sizes and brands may also be used.

Exterior dimensions

Wheelbase	3048 mm
Track, front	1600 mm
Track, rear	1604 mm
Overall length	4999 mm
Overall width	1881 mm
Overall height	1483 mm
Ground clearance	144 mm
Frontal area	2.36 sq. m
Drag coefficient	0.32 Cd

All dimensions measured at curb weight.

Interior dimensions

Front

Headroom	983 mm
Legroom	1061 mm
Shoulder room	1510 mm
Hip room	1421 mm
Seat travel	270 mm driver / 220 mm passenger
Volume index	1.56 cu. m

Rear

Headroom	966 mm
Legroom	1020 mm
Shoulder room	1466 mm
Hip room	1421 mm
Volume index	1.43 cu. m

Weights

	3.5L	5.7L
Curb weight	1782 kg	1873 kg
Distribution, F/R %	53/47	54/46

Capacities

	3.5L	5.7L
Luggage capacity	504 L	504 L
Fuel tank capacity	68 L	71 L
Maximum towing weight (braked)*	Up to 1725 kg	Up to 1725 kg
Max. downball weight		Up to 170kg*

*Dependent on proper equipment and load conditions

Fuel consumption (L/100km)

	3.5L	5.7L
Combined (ADR 81/01)	11	12.1

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

