

2005 CHRYSLER 300C SRT8 SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

GENERAL INFORMATION

Body Style _____ Four-door sedan
Assembly Plant _____ Brampton, Ontario, Canada
EPA Vehicle Class _____ Large car
Introduction Date _____ January 2005, MY 2005

ENGINE: 6.1-LITER, HEMI® V-8

Availability _____ Std. – 300C SRT-8
Type and Description _____ 90-degree V-type, liquid-cooled
Displacement _____ 370 cu. in. (6059 cu. cm)
Bore x Stroke _____ 4.06 x 3.58 (103.0 x 90.9)
Valve System _____ Pushrod-operated overhead valves, 16 valves,
eight 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,
aluminum alloy heads with hemispherical combustion chambers
Compression Ratio _____ 10.3:1
Power (estimated SAE net) _____ 425 bhp (318 kW) @ 6200 rpm, (69.8 bhp/L)
Torque (estimated SAE Net) _____ 420 lb.-ft. (569 N•m) @ 4800 rpm
Max. Engine Speed _____ 6400 rpm (electronically limited)
Fuel Requirement _____ Premium 91 octane (R+M)/2—recommended,
Oil Capacity _____ 7 qt. (6.6L)
Coolant Capacity _____ 14.00 qt. (13.25L)
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
EPA Fuel Economy (mpg City/Hwy) _____ 19 hwy/ 14city, 18.4 combined

TRANSMISSION: W5A580 FIVE-SPEED AUTOMATIC

Availability _____ Std. – 300C SRT-8
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 _____ 3.17
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(a)

Wheelbase _____	120.0 (3048)
Track, Front _____	63.0 (1600)
Track, Rear _____	63.1 (1603)
Overall Length _____	196.8 (4999)
Overall Width _____	74.1 (1881)
Overall Height _____	57.9 (1471)
Ground Clearance _____	5.1 (130)
Frontal Area, sq. ft. (sq. m) _____	25.8 (2.32)
Drag Coefficient _____	0.355
Curb Weight, lb. (kg)—Est. _____	4160 (1888)
Weight Dist., F/R _____	55/45
Fuel Tank Capacity, gal. (L) _____	19 (72)

(a) All dimensions measured at curb weight with standard tires.

ACCOMMODATIONS

Seating Capacity, F/R _____ 2/3

Front

Head room _____	38.7 (983)
Leg room _____	41.8 (1061)
Shoulder room _____	59.4 (1510)
Hip room _____	55.9 (1420)
Seat travel _____	Driver—10.6 (270), passenger—8.66 (220)
Recliner angle range, deg. _____	Driver—70, passenger—69
SAE volume, cu. ft. (cu. m) _____	55.6 (1.58)

Rear

Head room _____	38.0 (965)
Leg room _____	40.2 (1020)
Knee clearance _____	4.8 (122)
Shoulder room _____	57.7 (1466)
Hip room _____	55.9 (1421)
SAE volume, cu. ft. (cu. m) _____	51.0 (1.44)
Total interior volume, cu. ft. (cu. m) _____	106.6 (3.00)
SAE Cargo Volume, cu. ft. (cu. m) _____	15.6 (.442)
EPA Interior Volume Index, cu. ft. (cu. m) _____	122.2 (3.46)
Trunk Lifterover Height _____	30.2 (768)

BODY

Layout _____ Longitudinal front engine, rear-wheel drive

Construction _____ Steel unibody

SUSPENSION

* Performance tuned front & rear suspension

Front _____ Independent SLA with high upper "A" arm, lateral and diagonal lower links with dual ball joint front knuckle, coil spring over gas-charged shock absorbers and revised stabilizer bar lower "A" arm

Rear _____ Five-link independent with coil springs, gas-charged shock absorbers and isolated suspension cradle. Revised rear stabilizer bar

STEERING

Type _____ Rack and pinion with hydraulic power assist

Overall Ratio _____ 16.1:1
Turning Diameter (curb-to-curb) _____ 38.9 ft. (11.9 m)
Steering Turns (lock-to-lock) _____ 2.75

TIRES

Standard – 300C SRT-8

Size and type _____ P245/45R20 - Front
_____ P255/45R20 - Rear
Mfr. and model _____ 3 Season Goodyear F1 Supercar
Revs per mile (km) _____ 729 (452) Front , 720 (447) Rear

Optional – 300C SRT-8

Size and type _____ 245/45R20 - Front
_____ 245/45R20 - Rear
Mfr. and model _____ 4 Season Goodyear RS-A
Revs per mile (km) _____ 729 (452) Front , 729 (452) Rear

WHEELS

Standard – 300C SRT-8

Type and material _____ Forged Polished Aluminum
Size _____ 20 x 9 in.

BRAKES

Front

Rotor size and type _____ 14.2 x 1.26 (360 x 32.0) vented
Caliper size and type _____ 1.73 (44) Brembo 4-piston fixed with aluminum housing
Swept area _____ 351 sq. in. (2261 sq. cm)

Rear

Rotor size and type _____ 13.8 x 1.10 (350 x 28) vented
Caliper size and type _____ 1.26 (32) Brembo 4-piston fixed with aluminum housing
Swept area _____ 316 sq. in. (2036 sq. cm)

Four-wheel anti-lock and traction control _____ Std

Electronic stability control and brake assist _____ Std

Power assist type

Std. on 300C SRT-8 _____ 8x9 (203 x 229) active tandem-diaphragm vacuum booster