

2012 Chrysler 300

CANADIAN SPECIFICATIONS

Dimensions are in millimetres (inches) unless otherwise noted.

GENERAL INFORMATION

Body Style	Full-size sedan
Assembly Plant	Brampton Assembly Plant, Ontario
EnerGuide Vehicle Class	Full Size
Introduction Date	2011 model

ENGINE: 3.6-LITRE PENTASTAR™ VVT DOHC 24-VALVE V6

Availability	Standard — 300 Touring, 300 Limited and 300S (V6) (RWD/AWD)
Type and Description	60-degree V-type, liquid-cooled
Displacement	3,604 cu. cm (220 cu. in.)
Bore x Stroke	96.0 x 83.0 mm (3.78 x 3.27 in.)
Valve System	Chain-driven DOHC, 24 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Aluminum deep-skirt block with aluminum-alloy heads
Compression Ratio	10.2:1
Power	292 bhp @ 6,350 rpm
Torque	260 lb.-ft. @ 4,800 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2; and E-85
Oil Capacity	5.7L (6 qt.) with dry filter
Coolant Capacity	13.25L (14.0 qt.)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Max. Gross Trailer Weight (unbraked trailer)	454 kg (1,000 lb.)
EnerGuide Fuel Economy L/100 km (mpg) - City/Hwy	11.7 (24)/7.3 (39)(RWD with WA580 5-speed automatic transmission) 10.9 (26) / 6.4 (44)(RWD with ZF 8HP45 eight-speed automatic transmission) 11.4 (25) / 7.3 (39) (AWD with ZF 8HP45 eight-speed automatic transmission)
Engine Assembly Plant	Trenton South Engine Plant, Trenton, Michigan, USA

ENGINE: 5.7-LITRE HEMI® VVT V8 WITH FUELSAVER MDS TECHNOLOGY

Availability	Standard — 300C, 300S (V8) and 300C Luxury Series (RWD/AWD)
Type and Description	90-degree V-type, liquid-cooled with variable-cam timing (VCT)
Displacement	5654 cu.cm (345 cu. in.)
Bore x Stroke	99.5 x 90.9 (3.92 x 3.58)
Valve System	Pushrod-operated overhead valves, 16 valves, eight deactivating and 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	10.5:1
Power	363 bhp @ 5,200 rpm
Torque	394 lb.-ft. @ 4,200 rpm
Max. Engine Speed	5,800 rpm (electronically limited)
Fuel Requirement	Unleaded midgrade, 89 octane (R+M)/2 — Recommended Unleaded regular, 87 octane (R+M)/2 — Acceptable
Oil Capacity L (qt.)	6.6 (7)
Coolant Capacity L (qt.)	13.9 (14.7)
Emission Controls	Dual close-coupled three-way catalytic converters, Quad heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	454 kg (1,000 lb.)
EnerGuide Fuel EconomyL/100 km (mpg) - City/Hwy	13.5 (21)/8.0 (35)(RWD) and 14.4(20)/8.5 (33) (AWD)

TRANSMISSION: AUTOMATIC FIVE-SPEED OVERDRIVE WITH AUTO/STICK™

Availability	Standard on Chrysler 300 Touring, 300C, 300S V8 and 300C Luxury Series (RWD and AWD) models
Description	Adaptive electronic control or Auto/Stick 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	300 Touring, 300C, 300S (V8) and 300C Luxury Series (RWD) — 2.65 300C, 300S (V8) and 300C Luxury Series (AWD) — 3.07
Overall Top Gear	300 Touring, 300C, 300S (V8) and 300C Luxury Series (RWD) — 2.20 300 Touring, 300C, 300S (V8) and 300C Luxury Series (AWD) — 2.54

TRANSMISSION: ZF 8HP45 AUTOMATIC EIGHT-SPEED WITH AUTO/STICK™

Availability	Optional on Chrysler 300 Touring model (RWD) Standard on Chrysler 300 Limited Standard on Chrysler 300 S V6 Steering wheel mounted paddle shifters
Description	Adaptive electronic control, 'Sport' mode or paddle-shifted driver-interactive manual control. Five clutch-pack design with only two open clutches in any gear. Off-centre line pump with low-viscosity oil for reduced spin loss. Torque converter lock with turbine torsional damper for low lock-up speeds in 1 st through 8 th gear.
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.10
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30
Final Drive Ratio	300 Touring (RWD)—2.65 300 Limited and 300S V6 (RWD)—2.65 300 Limited and 300S V6 (AWD)—3.07
Overall Top Gear	300 Touring (RWD)—1.78 300 Limited and 300S V6 (RWD)—1.78 300 Limited and 300S V6 (AWD)—2.05

TRANSFER CASE

Availability	Standard on Chrysler 300 Limited, 300S (V6 and V8) models, 300C and 300C Luxury Series with AWD
Type	Active, fully variable with front-axle disconnect
Centre Differential	Planetary
Torque Split, Front/Rear	Fully variable

ELECTRICAL SYSTEM

Alternator	160-amp — standard on 300
	180-amp — standard on 300 Limited, 300S (V6), 300C, 300S (V8) and 300C Luxury Series models (RWD/AWD)
Battery	H7 Case, 730 CCA, maintenance-free

DIMENSIONS AND CAPACITIES^(a)

Wheelbase	3,052 (120.2)
Track, Front	1,611 (63.4)
Track, Rear	1,620 (63.8)
Overall Length	5,044 (198.6)
Overall Width	1,902 (75.0)
Overall Height	300 (RWD with 17-in. tires) — 1484 (58.4) 300 (RWD with 18-in. tires) — 1485(58.5) 300 (RWD with 20-in. tires) — 1492 (58.7) 300 (AWD with 19-in. tires) — 1504(59.2)
Ground Clearance	300 (RWD with 17-in. tires) — 120(4.7) 300 (RWD with 18-in. tires) — 120(4.7) 300 (RWD with 20-in. tires) — 128(5.0) 300 (AWD with 19-in. tires) — 122(4.8)
Drag Coefficient (Cd)	0.320
Curb Weight, kg (lb.)	300 (RWD) — 1814 (3,999) 300 Limited and 300S V6 (RWD) — 1828 (4,029) 300 Limited and 300S V6 (AWD) — 1921 (4,235) 300C, 300S V8 and 300C Luxury Series (RWD) — 1962 (4,326) 300C, 300S V8 and 300C Luxury Series (AWD) — 2048 (4,515)
Weight Distribution, percent F/R	300 Touring (RWD) — 52/48 300 Limited and 300S V6 (RWD) — 52/48 300 Limited and 300S V6 (AWD) — 53/47 300C, 300S V8 and 300C Luxury Series (RWD) — 55/45 300C, 300S V8 and 300C Luxury Series (AWD) — 56/44
Fuel Tank Capacity, L (gal.)	72.2 (19.1)

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

ACCOMMODATIONS

Seating Capacity, F/R	2/3
Front	
Head room	981 (38.6) 936.6 (36.9) with dual-pane sunroof
Legroom	1,061 (41.8)

Shoulder room	1,510 (59.5)
Hip room	1,428 (56.2)
Seat travel	Driver — 270 (10.6) Passenger — 220 (8.66)
Recliner angle range, deg.	Power — 70.7 Manual — 70
front row interior volume, Litres (cu. ft.)	1,574 (55.6)

Rear Seat

Head room	963 (37.9) 937 (36.9) with dual-pane sunroof
Legroom	1,019 (40.1)
Knee clearance	99 (3.9)
Shoulder room	1,465 (57.7)
Hip room	1,425 (56.1)
second row interior volume, L (cu. ft.)	1436 (50.7)
Total Interior Volume, cu. ft. L (cu. ft.)	3010 (106.3)
Luggage Compartment Volume, L (cu. ft.)	462 (16.3)
Interior Volume Index, L (cu. ft.)	3,472 (122.6)
Trunk Lifter Height	768.9 (30.1)

BODY

Layout	Longitudinal front engine, RWD
Construction	Unitized steel body and aluminum hood

SUSPENSION

Front	Independent SLA with high upper "A" arm, coil spring over gas-charged monotube shock absorbers and stabilizer bar — standard on 300 Touring, 300 Limited and 300C Lateral and diagonal lower links with dual ball joint knuckles — standard on 300 Touring, 300 Limited and 300C One piece lower-control arms — standard on 300C AWD only
Rear	Five-link independent with coil springs, gas-charged monotube shock absorbers, stabilizer bar and isolated suspension cradle — standard on all 300 models

STEERING

Type	Rack and pinion with hydraulic power assist
Overall Ratio	300 Touring (RWD)—15.5:1 300 Limited and 300S V6 (RWD)—15.5:1 300 Limited and 300S V6 (AWD)—16.5:1 300C, 300S V8 and 300C Luxury Series (RWD)—15.5:1 300C, 300S V8 and 300C Luxury Series (AWD)—16.5:1

Steering Turns (lock-to-lock)	300 Touring (RWD)—2.8
	300 Limited and 300S V6 (RWD)—2.8
	300 Limited and 300S V6 (AWD)—3.1
	300C, 300S V8 and 300C Luxury Series (RWD)—2.8 300C, 300S V8 and 300C Luxury Series (AWD)—3.1

TIRES

Availability	Standard on 300 Touring (RWD)
Size and type	P215/65R17 BSW all-season touring
Mfr. and model	Michelin Energy Saver
Revs per km (mile)	465 (748)

Availability	Standard on 300 Limited and 300C (RWD)
Size and type	P225/60R18 BSW all-season performance
Mfr. and model	Firestone FR710
Revs per km (mile)	456 (730)

Availability	Standard on 300C AWD
Size and type	P235/55R19 BSW all-season performance
Mfr. and model	Michelin MXM4
Revs per km (mile)	446 (710)

Availability	Optional on 300 Limited and 300C (RWD)
Size and type	P245/45R20 BSW all-season performance
Mfr. and model	Firestone Firehawk GTV
Revs per km (mile)	451 (725)

WHEELS

Availability	Standard on 300 (RWD)
Type and material	12-spoke design, Tech Silver Aluminum
Size	17 x 7.0

Availability	Standard on 300 Limited and 300C (RWD)
Type and material	10-spoke design, Chrome-clad Aluminum
Size	18 x 7.5

Availability	Standard on 300 Limited, 300C and Standard on 300C Luxury Series (AWD)
Type and material	10 split-spoke design, Polished Aluminum
Size	19 x 7.5

Availability	Standard on 300S (V6 and V8 AWD)
Type and material	10 split-spoke design, Polished aluminum with Black painted pockets
Size	19 x 7.5

Availability	Optional on 300 Limited and 300C (RWD) Standard on 300C Luxury Series (RWD)
Type and material	10 split-spoke design, Polished aluminum
Size	20 x 8.0

Availability	Standard on 300S (V6 and V8 RWD)
Type and material	10 split-spoke design, Polished aluminum with black painted pockets
Size	20 x 8.0

BRAKES

Touring Brake Package	Standard on 300 Touring, 300 Limited and 300S (V6) (RWD)
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Front

Rotor size and type in. (mm)	12.6 x 1.1 (320 x 28) vented
Caliper size and type	60 (2.36) single-piston sliding with aluminum housing
Swept area sq. cm. (sq. in.)	1,671 (259)

Rear

Rotor size and type in. (mm)	12.6 x 0.4 (320 x 10) solid
Caliper size and type	42 (1.65) single-piston sliding with aluminum housing
Swept area sq. cm. (sq. in.)	1,703 (264)

Performance Brake Package

Standard on 300C, 300S (V8) and 300C Luxury Series (RWD)
Standard on 300 Limited and 300S (V6) (AWD)

Front

Rotor size and type in. (mm)	13.6 x 1.26 (345 x 28) vented
Caliper size and type	42 (1.65) dual-piston sliding with aluminum housing
Swept area sq. cm. (sq. in.)	(1,606) 249

Rear

Rotor size and type in. (mm)	12.6 x 0.87 (320 x 22) vented
Caliper size and type	42 (1.65) single-piston sliding with aluminum housing
Swept area sq. cm. (sq. in.)	1,703 (264)

SUSPENSION

Comfort-tuned Suspension	Standard on 300 Touring, 300 Limited and 300C (RWD)
Front	
Stabilizer bar	25 mm, solid
Shock type/rate	Monotube with 204 lb./in.
Rear	
Stabilizer bar	12 mm, solid
Shock type/rate	Monotube with 547 lb./in.
Touring-tuned Suspension	Standard on 300S (V6 RWD) and 300C Luxury Series Optional on 300 Limited and 300C (RWD) with 20-in. wheels
Front	
Stabilizer bar	27 mm, solid
Shock type/rate	Monotube with 240 lb./in.
Rear	
Stabilizer bar	16 mm, solid
Shock type/rate	Monotube with 547 lb./in.
AWD Touring-tuned Suspension	Standard on 300 Limited, 300S (V6 and V8), 300C and 300C Luxury Series (AWD)
Front	
Stabilizer bar	32 mm, solid
Shock type/rate	Monotube with 340 lb./in.
Rear	
Stabilizer bar	16 mm, solid
Shock type/rate	Monotube with 600 lb./in.
Performance-tuned Suspension	Standard on 300S (V8) (RWD)
Front	
Stabilizer bar	27 mm, solid
Shock type/rate	Monotube with 340 lb./in.
Rear	
Stabilizer bar	16 mm, solid

Shock type/rate

Monotube with 670 lb./in.

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