



300

SPECIFICATIONS

## 2013 Chrysler 300 SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

### GENERAL INFORMATION

Vehicle Type	E-segment sedan, Rear-wheel drive (RWD), All-wheel drive (AWD)
Assembly Plant	Brampton Assembly Plant, Ontario, Canada
EPA Vehicle Class	Large car
Introduction Date	2011 model

### BODY/CHASSIS

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

### ENGINE: 3.6-LITER PENTASTAR DOHC 24-VALVE V-6

Availability	Standard — 300, 300S, 300C and 300C Luxury Series (RWD/AWD)
Type and Description	60-degree V-type, liquid-cooled
Displacement	220 cu. in. (3604 cc)
Bore x Stroke	3.78 x 3.27 in. (96.0 x 83.0 mm)
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 (SAE net)	292 bhp (218 kW) @ 6,350 rpm (81.1 bhp/L) 300 bhp (224 kW) @ 6,350 rpm (83.3 bhp/L) – 300S only
Torque (SAE net)	260 lb.-ft. (353 N•m) @ 4,800 rpm 264 lb.-ft. (358 N•m) @ 4,800 rpm – 300S only
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2; and E-85 (Federal Bin 5, 37 state compliant)
Oil Capacity	6 qt. (5.7L) with dry filter
Coolant Capacity	14 qt. (13.25L)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features <sup>(a)</sup>
Max. Gross Trailer Weight (unbraked trailer)	1,000 lbs. (454 kg)
EPA Fuel Economy mpg (city/hwy)	19/31 (RWD with ZF 8HP45 eight-speed automatic transmission) 18/27 (AWD with ZF 8HP45 eight-speed automatic transmission)
Engine Assembly Plant	Trenton South Engine Plant, Trenton, Mich.

(a) Meets Federal Tier 2 Bin 5 emission requirements and ULEV II requirements in California, Massachusetts, New York, Maine, Vermont, Connecticut, Pennsylvania, Rhode Island, New Jersey, Oregon and Washington.

**ENGINE: 5.7-LITER HEMI® V-8 WITH FOUR-CYLINDER MODE FUEL SAVER TECHNOLOGY**

Availability	Optional — 300S, 300C and 300C Luxury Series (RWD/AWD)
Type and Description	90-degree V-type, liquid-cooled with variable-cam timing (VCT)
Displacement	345 cu. in. (5654 cc)
Bore x Stroke	3.92 x 3.58 (99.5 x 90.9)
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 (SAE net)	363 bhp (270 kW) @ 5,200 rpm (63.7 bhp/L)
Torque (SAE net)	394 lb.-ft. (534 N•m) @ 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	7 qt. (6.6L)
Coolant Capacity	14.7 qt. (13.9L)
Emission Controls	Dual close-coupled three-way catalytic converters, Quad heated oxygen sensors and internal engine features <sup>(b)</sup>
Max. Gross Trailer Weight	1,000 lbs. (454 kg)
EPA Fuel Economy mpg (city/hwy)	16/25 (RWD) and 15/23 (AWD)

(b) Meets Tier 2 Bin 4 emission requirements in all 50 states.

**TRANSMISSION: ZF 8HP45 EIGHT-SPEED AUTOMATIC**

Availability	Included with 3.6-liter Pentastar V-6 engine on 300, 300S, 300C and 300 Luxury Series and 300S (RWD/AWD) 300S and 300C Luxury Series include Sport Mode and die-cast 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-center line pump with low-viscosity oil for reduced spin loss. Torque converter lock with turbine torsional damper for low lock-up speeds in 1 <sup>st</sup> through 8 <sup>th</sup> gear.
Gear Ratios	
1 <sup>st</sup>	4.71
2 <sup>nd</sup>	3.14
3 <sup>rd</sup>	2.10
4 <sup>th</sup>	1.67
5 <sup>th</sup>	1.29
6 <sup>th</sup>	1.00
7 <sup>th</sup>	0.84
8 <sup>th</sup>	0.67
Reverse	3.30



Final Drive Ratio	2.65 (RWD) 3.07 (AWD)
Overall Top Gear	1.78 (RWD) 2.05 (AWD)

**TRANSMISSION: AUTOMATIC FIVE-SPEED OVERDRIVE WITH AUTO STICK**

Availability	Included with 5.7-liter HEMI V-8 engine on 300S, 300C and 300 Luxury Series (RWD/AWD) 300S and 300C Luxury Series include Sport Mode, Auto Stick and die-cast paddle shifters 300C includes Auto Stick
Description	Adaptive electronic control or Auto Stick driver-interactive manual control and electronically modulated torque converter clutch
<b>Gear Ratios</b>	
1 <sup>st</sup>	3.59
2 <sup>nd</sup>	2.19
3 <sup>rd</sup>	1.41
4 <sup>th</sup>	1.00
5th	0.83
Reverse	3.16
Final Drive Ratio	2.65 (RWD) 3.06 (AWD)
Overall Top Gear	2.20 (RWD) 2.54 (AWD)

**TRANSFER CASE**

Availability	Included on 300, 300S, 300C and 300C Luxury Series models with AWD
Type	Active, fully variable with front-axle disconnect
Center Differential	Planetary
Torque Split, Front/Rear	Fully variable

**ELECTRICAL SYSTEM**

Alternator	160-amp — standard on 300 180-amp — standard on 300S, 300C and 300C Luxury Series
Battery	H7 Case, 730 CCA, maintenance-free

**SUSPENSION**

Front	Independent SLA with high upper “A” arm, coil spring over gas-charged-monotube shock absorbers and stabilizer bar. Lateral and diagonal lower links with dual ball joint knuckles  One piece lower-control arms — included with AWD
-------	---



Rear	Five-link independent with coil springs, gas-charged monotube shock absorbers, stabilizer bar and isolated suspension cradle
Comfort-tuned Suspension	Standard on 300 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 (V-6) and 300C Luxury Series (RWD) Included on 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, 300S, 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	Included on 300S with 5.7-liter HEMI V-8 engine (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.

**STEERING**

Type	Rack and pinion with hydraulic power assist
Overall Ratio	V-6 (RWD) — 15.5:1 V-6 (AWD) — 16.5:1 V-8 (RWD) — 15.5:1 V-8 (AWD) — 16.5:1
Steering Turns (lock-to-lock)	V-6 (RWD) — 2.8 V-6 (AWD) — 3.1 V-8 (RWD) — 2.8 V-8 (AWD) — 3.1

**BRAKES**

Touring Brake Package	Standard on 300, 300S, 300C and 300C Luxury Series (RWD)
Front	
Rotor size and type	12.6 x 1.1 (320 x 28) vented
Caliper size and type	2.36 (60) single-piston sliding with aluminum housing
Swept area	259 sq. in. (1671 sq. cm)
Rear	
Rotor size and type	12.6 x 0.4 (320 x 10) solid
Caliper size and type	1.65 (42) single-piston sliding with aluminum housing
Swept area	264 sq. in. (1703 sq. cm)
Performance Brake Package	Standard on 300, 300S, 300C and 300C Luxury Series (AWD) Included with 5.7-liter HEMI V-8 engine on 300S, 300C and 300C Luxury Series (RWD)
Front	
Rotor size and type	13.6 x 1.26 (345 x 28) vented
Caliper size and type	1.65 (42) dual-piston sliding with aluminum housing
Swept area	249 sq. in. (1606 sq. cm)
Rear	
Rotor size and type	12.6 x 0.87 (320 x 22) vented
Caliper size and type	1.65 (42) single-piston sliding with aluminum housing
Swept area	264 sq. in. (1703 sq. cm)



**DIMENSIONS AND CAPACITIES<sup>(d)</sup>**

Wheelbase	120.2 (3052)
Track, Front	63.4 (1611)
Track, Rear	63.8 (1620)
Overall Length	198.6 (5044)
Overall Width	75.0 (1902)
Overall Height	300 (RWD with 17-in. tires) — 58.4 (1484.4) 300 (RWD with 18-in. tires) — 58.5 (1485.2) 300 (RWD with 20-in. tires) — 58.7 (1492.0) 300 (AWD with 19-in. tires) — 59.2 (1503.9)
Ground Clearance	300 (RWD with 17-in. tires) — 4.7 (120.3) 300 (RWD with 18-in. tires) — 4.7 (120.3) 300 (RWD with 20-in. tires) — 5.0 (127.9) 300 (AWD with 19-in. tires) — 4.8 (122.3)
Drag Coefficient (Cd)	0.320
Curb Weight, lb. (kg)	V-6 (RWD) — 4,029 (1828) V-6 (AWD) — 4,235 (1921) V-8 (RWD) — 4,326 (1962) V-8 (AWD) — 4,515 (2048)
Weight Distribution, percent F/R	V-6 (RWD) — 52/48 V-6 (AWD) — 53/47 V-8 (RWD) — 55/45 V-8 (AWD) — 56/44
Fuel Tank Capacity, gal. (L)	19.1 (72.2)

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

**ACCOMMODATIONS**

Seating Capacity, F/R	2/3
Front	
Head room	38.6 (981) 36.9 (936.6) with dual-pane sunroof
Legroom	41.8 (1061)
Shoulder room	59.5 (1510)
Hip room	56.2 (1428)
Seat travel	Driver — 10.6 (270) Passenger — 8.66 (220)
Recliner angle range, deg.	Power — 70.7 Manual — 70
EPA front row interior volume, cu. ft. (cu. m)	55.6 (1.573)
Rear Seat	
Head room	37.9 (963) 36.9 (937) with dual-pane sunroof
Legroom	40.1 (1019)



Knee clearance	3.9 (99)
Shoulder room	57.7 (1465)
Hip room	56.1 (1425)
EPA second row interior volume, cu. ft. (cu. m)	50.7 (1.4)
Total Interior Volume, cu. ft. (cu. m)	106.3 (3.0)
EPA Luggage Compartment Volume, cu. ft. (cu. m)	16.3 (0.5)
EPA Interior Volume Index, cu. ft. (cu. m)	122.6 (3.5)
Trunk Liftover Height	30.1 (768.9)

**TIRES**

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

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

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

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

**WHEELS**

Availability	Standard on 300 (RWD)
Type and material	12-spoke design, cast-aluminum, fully painted
Size	17 x 7.0

Availability	Standard on 300C (RWD)
Type and material	10-spoke design, cast-aluminum, chrome clad
Size	18 x 7.5



300

SPECIFICATIONS

Availability	Standard on 300, 300C and 300C Luxury Series (AWD)
Type and material	10 split-spoke design, cast-aluminum, polished face with silver painted pockets
Size	19 x 7.5
Availability	Standard on 300S (AWD)
Type and material	10 split-spoke design, cast-aluminum, polished face with black painted pockets
Size	19 x 7.5
Availability	Included with 300 Glacier package on 300S AWD
Type and material	Eight spoke design, cast aluminum, Satin Carbon painted
Size	19 x 7.5
Availability	Standard on 300C Luxury Series (RWD) Optional on 300C (RWD)
Type and material	10 split-spoke design, cast-aluminum, polished face with silver painted pockets
Size	20 x 8.0
Availability	Standard on 300S (RWD)
Type and material	10 split-spoke design, cast-aluminum, polished face with black painted pockets
Size	20 x 8.0

• • •