



2020 CHRYSLER 300 Specifications

Specifications are based on the latest product information available at the time of publication.

All dimensions are in inches (millimeters) unless otherwise noted.

All dimensions measured at curb weight with standard tires and wheels.

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	2015 as a 2015 model

BODY/CHASSIS

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

ENGINE: 3.6-LITER PENTASTAR V-6

Availability	Standard – 300 Touring (RWD/AWD), 300 Touring L (RWD/AWD), 300S (RWD/AWD) and 300 Limited (RWD/AWD)
Type and Description	60-degree V-type, liquid-cooled
Displacement	220 cu. in. (3,604 cc)
Bore x Stroke	3.78 x 3.27 (96.0 x 83.0)
Valve System	Chain-driven DOHC, 24 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multiport, 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
	300 bhp (224 kW) @ 6,350 rpm - 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 (Federal Bin 5, 37-state compliant)
Oil Capacity	6 quarts (5.7 liters)
Coolant Capacity	14 quarts (13.25 liters)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Max. Gross Trailer Weight (unbraked trailer)	1,000 lbs. (454 kg)
EPA Fuel Economy mpg (city/hwy)	TBD (RWD); TBD (AWD)
Engine Assembly Plant	Trenton South Engine Plant, Trenton, Michigan

ENGINE: 5.7-LITER HEMI® V-8 WITH FUEL SAVER TECHNOLOGY

Availability	Standard – 300C; Optional – 300S RWD
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, multiport, 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
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 quarts (6.6 liters)
Coolant Capacity	14.7 quarts (13.9 liters)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	1,000 lbs. (454 kg)
EPA Fuel Economy mpg (city/hwy/combined)	TBD

TRANSMISSION: TORQUEFLITE 8HP50 EIGHT-SPEED AUTOMATIC

Availability	Standard with 3.6-liter Pentastar V-6 engine, RWD
Description	Adaptive electronic control and available paddle-shifted driver-interactive manual control (Sport mode on 300S only). 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 first through eighth 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	2.62
Overall Top Gear	1.76

TRANSMISSION: 850RE TORQUEFLITE EIGHT-SPEED AUTOMATIC

Availability	Standard with 3.6-liter Pentastar V-6 engine, AWD
Description	Adaptive electronic control and available paddle-shifted driver-interactive manual control (Sport mode on 300S only). 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 first through eighth 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	3.07
Overall Top Gear	2.05

TRANSMISSION: TORQUEFLITE 8HP70 EIGHT-SPEED AUTOMATIC

Availability	Standard with 5.7-liter engine
Description	Adaptive electronic control, configurable drive modes and 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 first through eighth gear
Gear Ratios	
1st	4.71
2nd	3.14

3rd	2.11
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.32
Overall Top Gear	1.75

TRANSFER CASE

Availability	Standard – AWD models
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 Touring and 300 Touring L
	180-amp – standard on 300S, 300 Limited and 300C
Battery	H7 Case, 730 CCA, maintenance-free

STEERING

Type	Electric power steering (EPS) with multi-mode assist
Overall Ratio	15.5:1 – V-6 (RWD)
	16.5:1 – V-6 (AWD)
	15.5:1 – V-8 (RWD)
Turn Circle (curb-to-curb)	37.4 ft.

Steering Turns (lock-to-lock)	2.8 – V-6 (RWD)
	3.1 – V-6 (AWD)
	2.8 – V-8 (RWD)

SUSPENSION

Front	Independent SLA with high upper "A" arm
	Lateral and diagonal lower links (RWD models), one-piece lower-control arms (AWD models)
	Coil spring over gas-charged monotube shock absorbers
	32 mm hollow stabilizer bar
Rear	Five-link independent with coil springs
	Link-type 19 mm hollow stabilizer bar and isolated suspension cradle
	Gas-charged monotube shock absorbers
	Isolated suspension cradle
Touring-tuned Suspension	Standard on 300 Touring, 300 Touring L, 300 Limited and 300C
Performance-tuned Suspension	Standard on 300S
Sport-tuned Suspension	Available on 300S
Comfort-tuned Suspension	Optional on 300 Touring and 300 Touring L
AWD Touring-tuned Suspension	Standard on 300 Touring AWD, 300 Touring L AWD, 300S AWD and 300 Limited AWD

DIMENSIONS AND CAPACITIES^(C)

Wheelbase	120 (3,048)
Track, Front	63.4 (1,611)
Track, Rear	63.8 (1,620)
Overall Length	198.6 (5,044)
Overall Width	75.0 (1,902)

Overall Height	58.5 (1,485) – 300 (RWD with 18-in. tires)
	58.7 (1,492) – 300 (RWD with 20-in. tires)
	59.2 (1,503) – 300 (AWD with 19-in. tires)
Frontal Area, sq. ft. (sq. m)	26 (660)
	26.1 (663) – AWD
Ground Clearance	4.7 (120) – 300 (RWD with 18-in. tires)
	5.0 (127) – 300 (RWD with 20-in. tires)
	4.8 (122) – 300 (AWD with 19-in. tires)
Drag Coefficient (Cd)	0.320
Curb Weight, lb. (kg)	4,013 (1,820) – V-6 (RWD)
	4,267 (1,935) – V-6 (AWD)
	4,380 (1,987) – V-8 (RWD)
Weight Distribution, percent F/R	52/48 – V-6 (RWD)
	53/47 – V-6 (AWD)
	53/47 – V-8 (RWD)
Fuel Tank Capacity, gallons (liters)	18.5 (70.0)

ACCOMMODATIONS

Seating Capacity, F/R	2/3
Front	
Headroom	38.6 (981)
	36.9 (936.6) with dual-pane sunroof
Legroom	41.8 (1,061)
Shoulder room	59.5 (1,510)
Hip room	56.2 (1,428)

Seat travel	Driver – 10.6 (270)
	Passenger – 8.66 (220)
Recliner angle range, deg.	Power – 70.7
	Manual – 70.0
EPA front row interior volume, cu. ft. (cu. m)	55.6 (1.57)
Rear Seat	
Headroom	37.9 (963)
	36.9 (937) with dual-pane sunroof
Legroom	40.1 (1,019)
Knee clearance	3.9 (99)
Shoulder room	57.7 (1,465)
Hip room	56.1 (1,425)
EPA second row interior volume, cu. ft. (cu. m)	50.7 (1.44)
Total interior volume, cu. ft. (cu. m)	106.3 (3.01)
EPA Luggage Compartment Volume, cu. ft. (cu. m)	16.3 (0.46)
EPA Interior Volume Index, cu. ft. (cu. m)	122.6 (3.47)
Trunk Liftover Height	30.1 (769)

TIRES

Availability	Standard on 300 Touring
Size and type	P215/65R17 Low-rolling resistance
Mfr. and model	Michelin Energy Saver
Revs per mile (km)	745 (463)

Availability	Standard on 300 Touring L; Optional on 300 Touring (included with Driver Convenience Group)
Size and type	P225/60R18 BSW Touring
Mfr. and model	Firestone FR 710
Revs per mile (km)	730 (453)
Availability	Standard on 300 Touring AWD, 300 Touring L AWD, 300S AWD and 300 Limited AWD
Size and type	235/55R19 BSW All-season performance
Mfr. and model	Michelin Primacy MXM4
Revs per mile (km)	715 (444)
Availability	Optional on 300 Touring AWD, 300 Touring L AWD
Size and type	235/55R19 BSW All-season performance
Mfr. and model	Pirelli P Zero
Revs per mile (km)	711 (442)
Availability	Standard on 300S, 300 Limited and 300C; Optional on 300 Touring (included with Sport Appearance and Chrome Appearance) and 300 Touring L
Size and type	245/45R20 BSW All-season performance
Mfr. and model	Firestone Firehawk GTV
Revs per mile (km)	726 (449)
Availability	Optional on 300S
Size and type	245/45R20 BSW Three-season high-performance
Mfr. and model	Goodyear Eagle F1
Revs per mile (km)	726 (451)

WHEELS

Availability	Standard on 300 Touring
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Type and material	Fine Silver
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Size	17 x 7 in.
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Availability	Standard on 300 Touring L; Optional on 300 Touring (included with Driver Convenience Group)
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Type and material	Polished aluminum
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Size	18 x 8 in.
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Availability	Standard on 300S AWD; Optional on 300 Touring AWD (included with AWD and Sport Appearance)
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Type and material	Black Noise
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Size	19 x 7.5 in.
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Availability	Standard on 300 Touring AWD, 300 Touring L AWD and 300 Limited AWD (included with AWD)
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Type and material	Polished aluminum
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Size	19 x 7.5 in.
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Availability	Standard on 300S; Optional on 300 Touring (included with Sport Appearance)
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Type and material	Black Noise
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Size	20 x 8.0 in.
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Availability	Standard on 300 Limited; Optional on 300 Touring (included with Chrome Appearance) and 300 Touring L
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Type and material	Polished aluminum
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Size	20 x 8.0 in.
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Availability	Standard on 300C
Type and material	Polished aluminum
Size	20 x 8.0 in.
Availability	Optional on 300S (included with Red S Appearance)
Type and material	Black Noise
Size	20 x 8.0 in.
Availability	Optional on 300S (included with Alloy Edition Package - RWD only)
Type and material	Dark Bronze
Size	20 x 8.0

BRAKES

Touring Brake Package	Standard on 300 Touring, 300 Touring L, 300S and 300 Limited
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	210 sq. in. (1,358 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. (1,703 sq. cm)

Performance Brake Package	Standard on 300S and 300C
	Included with 5.7-liter HEMI V-8 engines and AWD
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. (1,606 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. (1,703 sq. cm)
Four-wheel Anti-lock Brake System (ABS) and Traction Control	Standard
Electronic Stability Control (ESC) and Brake Assist	Standard
Brake Knockback Mitigation	Standard
Hill-start Assist (HSA)	Standard
Three-mode (Normal, Sport, Off) ESC/ Traction Control Mode Selection	Standard on 300S
Power-assist Type	8 + 9 (203 + 209) tandem-diaphragm vacuum booster

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