

VEHICLE 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

Body-style	Coupe
Assembly Plant.....	Brampton, Ontario, Canada
EPA Vehicle Class	Intermediate Car
Introduction Date.....	September 2008

Engine: 6.1-liter HEMI® V-8

Availability	SRT8®
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	16 pushrod-operated overhead valves, conventional hydraulic lifters, all with roller followers

Engine: 6.1-liter HEMI V-8 (cont.)

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 hp (317 kW) @ 6200 rpm (69.8 hp/L)
Torque (estimated SAE net)	420 lb.-ft. (569 N•m) @ 4800 rpm
Maximum Engine Speed	6400 rpm (electronically limited)
Fuel Requirement	Recommended: unleaded premium, 91 octane (R+M)/2
Oil Capacity	7 qt. (6.6-L)
Coolant Capacity.....	14 qt. (13.25-L)
Emission Controls	Dual close-coupled three-way catalytic converters; quad heated oxygen sensors and internal engine features ^a
Maximum Gross Trailer Weight.....	Not recommended
Estimated EPA Fuel Economy, mpg (city/hwy).....	(TBD) automatic (TBD) manual

^a Meets Federal Tier 2, Bin 5 emissions requirements; marketed in California as an LEVII (Low Emission Vehicle) under cleanest vehicle rules.

Engine: 5.7-liter HEMI V-8

Availability	R/T
Type and Description	90-degree V-type, liquid-cooled with variable-valve timing
Displacement	345 cu. in. (5654 cu. cm)
Bore x Stroke	3.92 x 3.58 (99.5 x 90.9)
Valve System	16 pushrod-operated overhead valves, with variable-valve timing, 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

For Automatic Transmission

Power (estimated SAE net)	370 hp (276 kW) @ 5800 rpm (65.4 hp/L) ^b
Torque (estimated SAE net)	398 lb.-ft. (540 N•m) @ 4200 rpm ^b
Fuel Requirement	Recommended: unleaded mid-grade, 89 octane (R+M)/2 Acceptable: unleaded regular, 87 octane (R+M)/2

^b Official SAE certified results per J2723 available in May 2008.

Engine: 5.7-liter HEMI V-8 (cont.)

For Manual Transmission

Power (estimated SAE net)	375 hp (280 kW) @ 5800 rpm (66.3 hp/L) ^c
Torque (estimated SAE net)	404 lb.-ft. (548 N•m) @ 4200 rpm ^c
Fuel Requirement	Recommended: unleaded premium, 91 octane (R+M)/2 Acceptable: unleaded regular, 87 octane (R+M)/2
Maximum Engine Speed	5800 rpm (electronically limited)
Oil Capacity	7 qt. (6.6-L)
Coolant Capacity.....	14.7 qt. (13.9-L)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features ^d
Maximum Gross Trailer Weight.....	1000 lbs. (453.6 kg) automatic (not recommended with manual)
Estimated EPA Fuel Economy, mpg (city/hwy).....	16/23 automatic 15/23 manual

^c Official SAE certified results per J2723 available in May 2008.

^d Manual transmission meets Federal Tier 2, Bin 5 emissions requirements; marketed in California as an LEVII (Low Emission Vehicle) under cleanest vehicle rules.
Automatic transmission meets Federal Tier 2, Bin 4 emissions requirements; marketed in California as an ULEVII (Ultra Low Emission Vehicle) under cleanest vehicle rules.

Engine: 3.5-liter High Output SOHC 24-valve V-6

Availability	SE
Type and Description	60-degree bank angle, liquid-cooled, three-plenum intake manifold with electronic short-runner valves
Displacement	214.7 cu. in. (3518 cu. cm)
Bore x Stroke	3.78 x 3.19 (96 x 81)
Valve System	SOHC, 24-valve, hydraulic, center pivot roller rocker arms
Fuel Injection	Sequential, multi-port, electronic
Construction	Precision sand-cast mold aluminum block with cast-in-iron liners, cross-bolted main bearing caps and cast-aluminum heads
Compression Ratio	10.0:1
Power (estimated SAE net)	250 hp (186 kW) @ 6400 rpm (71.1 hp/L)

Engine: 3.5-liter High Output SOHC 24-valve V-6 (cont.)

Torque (SAE net, estimated)	250 lb.-ft. (339 N•m) @ 3800 rpm
Maximum Engine Speed	6800 rpm (electronically limited)
Fuel Requirement	Recommended: unleaded mid-grade, 89 octane (R+M)/2 Acceptable: unleaded regular, 87 octane (R+M)/2
Oil Capacity	6 qt. (5.7-L) with dry filter
Coolant Capacity.....	10.8 qt. (10.2-L)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features ^e
Maximum Gross Trailer Weight.....	1000 lbs. (453.6 kg)
Estimated EPA Fuel Economy, mpg (city/hwy).....	18/25

^e Meets Federal Tier 2, Bin 5 emissions requirements; marketed in California as a ULEVII (Low Emission Vehicle) under cleanest vehicle rules.

Transmission: Automatic, Four-speed Overdrive (42RLE)

Availability	3.5-L SE
Description	Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled torque converter clutch
Gear Ratios	
1st	2.84
2nd.....	1.57
3rd	1.00
4th.....	0.69
Reverse	2.21
Final Drive Ratio.....	3.64
Overall Top Gear Ratio.....	2.51

Transmission: Automatic, Five-speed Overdrive

Availability	5.7-L R/T and 6.1-L SRT8
Description	Adaptive electronic control with 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.....	5.7-L — 3.06 6.1-L — 3.06 Getrag axle with limited slip differential (6.1-L only)
Overall Top Gear	5.7-L — 2.54 6.1-L — 2.54 Getrag axle with limited slip differential (6.1-L only)

Transmission: Six-speed Manual Tremec TR-6060 Transmission
Clutch: ZF-Sachs 250 mm Twin Disc

Availability Optional — 5.7-L R/T and 6.1-L SRT8

Description Triple cone / double cone synchronizer design, 1–4 skip shift and reverse inhibit solenoids, 5:1 remote shifter

Gear Ratios

1st.....	2.97
2nd.....	2.10
3rd	1.46
4th.....	1.00
5th	0.74
6th	0.50
Reverse	2.90
Final Drive Ratio.....	5.7-L — 3.73 (18-inch wheels) 5.7-L — 3.91 (20-inch wheels) 6.1-L — 3.91 Getrag axle with limited slip differential (5.7-L and 6.1-L)

Electrical System

Alternator	160A
Battery	H7 Case, 625 CCA, maintenance free

Dimensions and Capacities^f

Wheelbase	116.0 (2946)
Track, Front	63.0 (1603)
Track, Rear.....	63.1 (1604)
Overall Length	197.7 (5023)
Overall Width	75.7 (1923)
Overall Height.....	57.1 (1449)
Ground Clearance.....	SRT8 @ curb 4.8 (122.2) (R/T and SE — TBD)
Frontal Area.....	25.3 sq. ft. (2.35 sq. m)

^f All dimensions measured at curb weight with standard tires.

Dimensions and Capacities (cont.)

Drag Coefficient.....	SE — 17-inch and 18-inch tires — 0.350 (8.86 CdA) R/T — 18-inch — 0.350 (8.73 CdA); 20-inch — 0.355 (8.98 CdA) SRT8 — 0.353 (9.01 CdA)
Curb Weight (estimated)	SE — 3720 lbs. (1688 kg) R/T — 4041 lbs. (1833 kg) SRT8 — 4170 lbs. (1892 kg)
Weight Distribution (percent front/rear)	SE — 53.5/46.5 R/T — 54.7/45.3 SRT8 — 55.6/44.4
Fuel Tank Capacity	SE — 18 gal. (68.1-L) R/T and SRT8 — 19 gal. (71.9-L)

Accommodations

Seating Capacity (front/rear) 2/3

Front

Head Room 39.3 (999)

Leg Room 42.0 (1067)

Shoulder Room 58.2 (1477)

Hip Room 54.6 (1387)

Seat Travel Driver — 10.6 (270)
Passenger — 8.7 (220)

Recliner Angle Range..... Driver — 64 deg.
Passenger — 63 deg.

SAE Front Volume Index..... 55.8 cu. ft. (1.58 cu. m)

Accommodations (cont.)

Rear

Head Room	37.4 (950)
Leg Room	32.6 (829)
Knee Clearance	1.2 (31.1)
Shoulder Room	53.9 (1368)
Hip Room	48.6 (1236)
SAE Rear Seat Volume Index	38.1 cu. ft. (1.08 cu. m)
Total Interior Volume	91.5 cu. ft. (2.59 cu. m)
SAE Cargo Volume (same as Charger)	16.2 cu. ft. (0.459 cu. m)
EPA Interior Volume Index	107.7 cu. ft. (3.05 cu. m)
Trunk Liftover Height	33.0 (839)

Body

Layout	Longitudinal front engine, rear-wheel drive
Construction	Unitized steel body

Exhaust

Type	SE — Single exhaust R/T and SRT8 — Dual exhaust with rectangular bright tip and image sound
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Steering

Type	Rack-and-pinion with hydraulic power assist
Overall Ratio	16.1:1
Turning Diameter (curb-to-curb)	SE and R/T — 38.9 ft. (11.9 m) SRT8 — 37.5 ft. (11.48 m)
Steering Turns (lock-to-lock)	2.75
P/S Pump.....	Fixed displacement, speed-sensitive — Standard on automatic transmissions and SRT8 manual transmission Variable Displacement — R/T manual transmission only

Suspension

SRT8

Front	Independent SLA with high upper “A” arm, coil spring over Bilstein monotube gas-charged shock absorbers and stabilizer bar; lateral and diagonal lower links
Rear	Five-link independent with coil springs, link-type stabilizer bar, Bilstein monotube gas-charged shock absorbers and isolated suspension cradle

R/T and SE

Front	Independent SLA with high upper “A” arm, coil spring over gas-charged shock absorbers and stabilizer bar; lateral and diagonal lower links
Rear	Five-link independent with coil springs, link-type stabilizer bar, gas-charged twin tube shock absorbers and isolated suspension cradle — Automatic transmission Gas-charged monotube Nivomat Load leveling shocks — Manual transmission

Tires^g

SRT8

Availability	Standard
Size and Type	P245/45ZR20 all-season performance
Manufacturer and Model	Goodyear RSA
Revs per Mile (km)	731 (456)
Availability	Optional
Size and Type	P245/45ZR20 front P255/45ZR20 rear three-season tires
Manufacturer and Model	Goodyear F1 Supercar
Revs per Mile (km)	726 (450) front/718 (445) rear

R/T

Availability	Standard
Size and Type	P235/55R18V 99V black sidewall all-season performance
Manufacturer and Model	Michelin MXM4
Revs per Mile (km)	729 (453)

^g Other sizes and brands may also be used.

Tires (cont.)

Availability	Optional
Size and Type	P245/45ZR20 99V black sidewall all-season performance
Manufacturer and Model	Goodyear Eagle RSA
Revs per Mile (km)	731 (456)

SE

Availability	Standard
Size and Type	P215/65R17 98T black sidewall all-season ride
Manufacturer and Model	Goodyear Integrity
Revs per Mile (km)	739 (459)
Availability	Standard with Popular Equipment Package
Size and Type	P225/60R18H 99H all-season touring
Manufacturer and Model	Continental ProContact
Revs per Mile (km)	729 (453)

Wheels

SRT8

Availability	Standard
Type and Material	Fully-forged aluminum
Size	20 x 9.0

R/T

Availability	Standard
Type and Material	Cast aluminum
Size	18 x 7.5
Availability	Optional
Type and Material	Cast aluminum
Size	20 x 8.0

SE

Availability	Standard
Type and Material	Steel
Size	17 x 7.0

Wheels (cont.)

Availability	Standard with Popular Equipment Package
Type and Material	Cast aluminum
Size	18 x 7.5

Brakes

SRT8

Front

Rotor Size and Type	14.2 x 1.26 (360 x 32.0) vented and slotted
Caliper Size and Type.....	1.73 (44) Brembo four-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.....	11.26 (32) Brembo four-piston fixed with aluminum housing
Swept Area	316 sq. in. (2036 sq. cm)

Brakes (cont.)

Four-Wheel Anti-Lock and Traction Control	Standard
Electronic Stability Control and Brake Assist.....	Standard
Brake Knockback Mitigation	Standard
Hill Start Assist	Standard with manual transmission
Power Assist Type.....	8 + 9 (203 + 209) tandem-diaphragm vacuum booster

R/T

Front

Rotor Size and Type	13.6 x 1.1 (345 x 28) vented
Caliper Size and Type.....	1.65 (42) dual piston sliding with aluminum housing
Swept Area	292 sq. in. (1884 sq. cm)

Rear

Rotor Size and Type	12.6 x 0.4 (320 x 22) vented
Caliper Size and Type.....	1.65 (42) single piston sliding with aluminum housing
Swept Area	260.4 sq. in. (1680 sq. cm)

Four-Wheel Anti-Lock and Traction Control	Standard
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Brakes (cont.)

Electronic Stability Control and Brake Assist.....	Standard
Hill Start Assist	Standard with manual transmission
Power Assist Type.....	8 + 9 (203 + 209) tandem diaphragm vacuum

SE

Front

Rotor Size and Type	12.6 x 1.1 (320 x 28) vented
Caliper Size and Type.....	2.365 (60) single piston sliding with aluminum housing
Swept Area	254.8 sq. in. (1644 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	260.4 sq. in. (1680 sq. cm)

Four-Wheel Anti-Lock and Traction Control	Standard with Popular Equipment Package
Electronic Stability Control and Brake Assist.....	Standard with Popular Equipment Package