

2006 DODGE CHARGER SRT8 PRELIMINARY SPECIFICATIONS

GENERAL INFORMATION

Body Style	Sedan
Assembly Plant	Brampton, Ontario, Canada
EPA Vehicle Class	Large car
Introduction Date	Fall 2005 as 2006 model

ENGINE: 6.1-LITER, HEMI® V-8

Availability	Std. – Charger 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	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 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)	N/A

TRANSMISSION: W5A580 FIVE-SPEED AUTOMATIC

Availability	Std. – Charger SRT8
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 CAPACITIES¹

Wheelbase	120.0 (3048)
Track, Front	63.0 (1600)
Track, Rear	63.1 (1604)
Overall Length	200.1 (5082)
Overall Width	74.5 (1891)
Overall Height	58.2 (1479)
With SDAR Antenna	58.8 (1494)
Estimated Curb Weight, lb. (kg).	4160 (1887)

Weight Distribution, percent F/R	54/46
Fuel Tank Capacity, gal. (L)	19 (72)

1 All dimensions measured at curb weight with standard tires.

ACCOMMODATIONS

Seating Capacity, F/R	2/3
<i>Front Seat</i>	
Head Room	38.7 (983)
Leg Room	41.8 (1061)
Shoulder Room	59.3 (1505)
Hip Room	56.2 (1427)
Seat Travel	Driver – 10.6 (270), passenger – 8.66 (220)
Recliner Angle Range, deg.	Driver – up to 112, passenger – 69
SAE Front Volume Index, cubic ft. (cu. m)	55.5 (1.57)
<i>Rear Seat</i>	
Head Room	36.2 (919.5)
Leg Room	40.2 (1020)
Knee Clearance	4.5 (114.2)
Shoulder Room	57.6 (1464)
Hip Room	55.5 (1409)
SAE Rear Seat Volume Index, cubic ft. (cu. m)	50.5 (1.43)
Total Interior Volume, cu. ft. (cu. m)	104.0 (2.94)
SAE Cargo Volume, cu. ft. (cu. m)	16.2 (0.46)
EPA Interior Volume Index, cu. ft. (cu. m)	120.2 (3.4)
Trunk Liftover Height	30.1 (765.1)

BODY

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

SUSPENSION

Front	Independent SLA with high upper “A” arm, coil spring over gas-charged shock absorbers and stabilizer bar
Rear	Lateral and diagonal lower links Five-link independent with coil springs, link-type stabilizer bar, gas-charged shock absorbers and isolated suspension cradle Nivomat™ self-leveling shock absorbers

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 – Charger SRT8

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 – Charger SRT8

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 – Charger SRT8

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 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 _____ 1.26 (32) Brembo four-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 Charger SRT8 _____ 8x9 (203 x 229) tandem-diaphragm vacuum booster