

# 2008 Dodge Magnum SRT8 Preliminary Specifications

Dimensions are in inches (millimeters) unless otherwise noted.

## GENERAL INFORMATION

|                   |                           |
|-------------------|---------------------------|
| Body Style        | Sport Tourer              |
| Assembly Plant    | Brampton, Ontario, Canada |
| EPA Vehicle Class | Multi-purpose vehicle     |
| Introduction Date | Mid 2005 as 2006 model    |

## ENGINE: 6.1-LITER, HEMI<sup>®</sup> V-8

|                            |   |
|----------------------------|---|
| Availability               | Standard—Magnum <sup>®</sup> 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) @ 6,000 rpm (69.8 bhp/L)   |
| Torque (estimated SAE net) | 420 lb.-ft. (569 N•m) @ 4,800 rpm   |
| Max. Engine Speed          | 6,400 rpm (electronically limited)  |
| Fuel Requirement           | Premium 91 octane (R+M)/2—recommended   |
| Oil Capacity               | 7 qt. (6.6L)  |
| Factory Oil Fill           | Mobil 1 0W-40 Synthetic   |

|                                     |  |
|-------------------------------------|--|
| 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, lb. (kg) | 3,800 (1724)   |
| EPA Fuel Economy mpg (City/Hwy)     | 14/20 <sup>(a)</sup>   |

(a) Fuel economy numbers are based on 2007 EPA figures. Due to changes in EPA requirements, 2008 numbers are not yet determined.

### **TRANSMISSION: W5A580 FIVE-SPEED AUTOMATIC**

|                   |   |
|-------------------|---|
| Availability      | Standard  |
| 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, 600 CCA, maintenance-free |

### **DIMENSIONS AND CAPACITIES<sup>(a)</sup>**

|              |              |
|--------------|--------------|
| Wheelbase    | 120.0 (3048) |
| Track, Front | 63.0 (1600)  |

|                                  |                   |
|----------------------------------|-------------------|
| Track, Rear                      | 63.1 (1603)       |
| Overall Length                   | 197.7 (5021)      |
| Overall Width                    | 74.1 (1881)       |
| Overall Height                   | 57.9 (1471)       |
| With SDAR Antenna                | 58.5 (1486)       |
| Ground Clearance                 | 5.1 (129)         |
| Frontal Area, sq. ft. (sq. m)    | 25.8 (2.40)       |
| Drag Coefficient                 | 0.358 (estimated) |
| Curb Weight, lb. (kg)—estimated  | 4260 (1932)       |
| Weight Distribution, percent F/R | 53/47             |
| Fuel Tank Capacity, gal. (L)     | 19 (72)           |

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

## ACCOMMODATIONS

|   |   |
|---|---|
| Seating Capacity, F/R                   | 2/2                                     |
| Front                                   |   |
| Head room                               | 38.7 (983)                              |
| Leg room                                | 41.8 (1061)                             |
| Shoulder room                           | 58.7 (1490)                             |
| Hip room                                | 56.2 (1427)                             |
| Seat travel                             | Driver—10.6 (270), passenger—8.66 (220) |
| Recliner angle range, deg.              | Driver—70, passenger—69                 |
| SAE front volume index, cu. ft. (cu. m) | 55.0 (1.56)                             |
| Rear Seat                               |   |
| Head room                               | 38.1 (968)                              |
| Leg room                                | 40.2 (1020)                             |
| Knee clearance                          | 4.8 (122)                               |

|   |              |
|---|--------------|
| Shoulder room                               | 57.6 (1464)  |
| Hip room                                    | 55.5 (1409)  |
| SAE rear seat volume index, cu. ft. (cu. m) | 50.9 (1.44)  |
| SAE interior volume, cu. ft. (cu. m)        | 105.9 (3.00) |

#### Cargo Volume Indexes

|  |              |
|--|--------------|
| Rear seats up, cu. ft. (cu. m)             | 27.2 (0.77)  |
| Rear seats folded, cu. ft. (cu. m)         | 71.6 (2.03)  |
| EPA interior volume index, cu. ft. (cu. m) | 133.1 (3.77) |
| Liftover height                            | 29.7 (752)   |

### **BODY**

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

### **SUSPENSION**

#### SRT-tuned Front and Rear Suspension

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

### **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      |   |
| Size and type | 245/45R20 all-season—Front<br>245/45R20 all-season—Rear |

|                    |   |
|--------------------|---|
| Mfr. and model     | Goodyear Eagle RS-A   |
| Optional           |   |
| Size and type      | P245/45R20 three-season—Front<br>P255/45R20 three-season—Rear |
| Mfr. and model     | Goodyear F1 Supercar  |
| Revs per mile (km) | 729 (452) front, 720 (447) rear                               |
| Revs per mile (km) | 729 (452) front, 729 (452) rear                               |

## WHEELS

### Standard

|                   |                          |
|-------------------|--------------------------|
| Type and material | Forged polished aluminum |
| Size              | 20 in. 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 8 x 9 (203 x 229) active tandem-diaphragm vacuum booster

Note: Information shown is correct at time of publication, and is subject to change without notice.