



# 2011 Dodge Challenger SRT8<sup>®</sup> 392 SPECIFICATIONS

*NOTE: Information shown is correct at time of publication and is subject to change. Dimensions are in inches (millimeters) unless otherwise noted.*

## GENERAL INFORMATION

|                   |                           |
|-------------------|---------------------------|
| Body Style        | Two-door coupe            |
| Assembly Plant    | Brampton, Ontario, Canada |
| EPA Vehicle Class | Intermediate car          |
| Introduction Date | May 2008 as 2008 model    |

## ENGINE: 392 HEMI<sup>®</sup> V-8 (6.4 L)

|                                 |  |
|---------------------------------|--|
| Availability                    | Standard   |
| Type and Description            | 90-degree V-type, liquid-cooled  |
| Displacement                    | 392 cu. in. (6,424 cu. cm)   |
| Bore x Stroke                   | 4.09 x 3.72 (103.9 x 94.5)   |
| Valve System                    | Pushrod-operated overhead valves, 16 valves with sodium-filled exhaust valves and hollow stem intake valves, 16 conventional hydraulic lifters, all with roller tips |
| Fuel Injection                  | Sequential, multi-port, electronic, returnless; automatic features Fuel Saver mode   |
| Construction                    | Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers  |
| Compression Ratio               | 10.9:1   |
| Power (estimated SAE net)       | 470 bhp (351 kW) @ 6,000 rpm (73.4 bhp/L)  |
| Torque (estimated SAE net)      | 470 lb.-ft. (637 N•m) @ 4,200 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                | 5W-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 <sup>(a)</sup>  |
| Max. Gross Trailer Weight       | Not rated for trailer-tow  |
| EPA Fuel Economy mpg (City/Hwy) | 14/22 (automatic)<br>14/23 (manual)  |

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



**TRANSMISSION: SIX-SPEED MANUAL TREMEC TR-6060 with ZF-SACHS 240 MM TWIN-DISC CLUTCH**

|                   |  |
|-------------------|--|
| Availability      | Standard   |
| Description       | Triple cone (1 <sup>st</sup> , 2 <sup>nd</sup> ) / double cone (3 <sup>rd</sup> -6 <sup>th</sup> ) 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 | 3.91 – Getrag limited-slip differential  |

**TRANSMISSION: W5A580 FIVE-SPEED AUTOMATIC**

|                   |  |
|-------------------|--|
| Availability      | Optional   |
| Description       | Adaptive electronic control, performance-tuned 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 | 3.06 – Getrag limited-slip differential  |
| Overall Top Gear  | 2.54   |

**ELECTRICAL SYSTEM**

|            |                                    |
|------------|------------------------------------|
| Alternator | 220-amp                            |
| Battery    | H7 case, 730 CCA, maintenance-free |



### DIMENSIONS AND CAPACITIES<sup>(b)</sup>

|                                  |   |
|----------------------------------|---|
| Wheelbase                        | 116.0 (2,946)                               |
| Track, Front                     | 63.0 (1,603)                                |
| Track, Rear                      | 63.1 (1,604)                                |
| Overall Length                   | 197.7 (5,023)                               |
| Overall Width                    | 75.7 (1,923)                                |
| Overall Height                   | 57.1 (1,449)                                |
| Ground Clearance                 | 4.8 (122.2)                                 |
| Frontal Area, sq. ft. (sq. m)    | 25.6 (2.37)                                 |
| Drag Coefficient                 | 0.356                                       |
| Curb Weight, lb. (kg)—Est.       | 4,160 (automatic)<br>4,170 (manual)         |
| Weight Distribution, percent F/R | 54.4/45.6 (automatic)<br>54.6/45.4 (manual) |
| Fuel Tank Capacity, gal. (L)     | 19 (71.9)                                   |

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

### ACCOMMODATIONS

|  |  |
|--|--|
| Seating Capacity, F/R                          | 2/3                                    |
| Front Seat                                     |  |
| Head Room                                      | 39.3 (999)                             |
| Legroom  | 42.0 (1,067)                           |
| Shoulder Room                                  | 58.2 (1,477)                           |
| Hip Room                                       | 54.6 (1,387)                           |
| Seat Travel                                    | Driver—10.6 (270), passenger—8.7 (220) |
| Recliner Angle Range, deg.                     | Driver—64, passenger—63                |
| SAE Front Volume Index, cu. ft. (cu. m)        | 55.8 (1.58)                            |
| Rear Seat                                      |  |
| Head Room                                      | 37.4 (950)                             |
| Legroom  | 32.6 (829)                             |
| Knee Clearance                                 | 1.2 (31.1)                             |
| Shoulder Room                                  | 53.9 (1,368)                           |
| Hip Room                                       | 48.6 (1,236)                           |
| SAE Rear Seat Volume Index,<br>cu. ft. (cu. m) | 38.1 (1.08)                            |
| Total Interior Volume, cu. ft. (cu. m)         | 91.5 (2.59)                            |
| SAE Cargo Volume, cu. ft. (cu. m)              | 16.2 (0.46)                            |
| EPA Interior Volume Index, cu. ft. (cu. m)     | 107.7 (3.05)                           |
| Trunk Lift-over Height                         | 33.0 (839)                             |



**BODY**

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

**EXHAUST**

|      |  |
|------|--|
| Type | Dual 2.75-in. with rectangular chromed tips and performance-tuned exhaust note |
|------|--|

**SUSPENSION**

|                                     |  |
|-------------------------------------|--|
| SRT-tuned Front and Rear Suspension |  |
| Front                               | Independent SLA with high upper "A" arm, coil spring over gas-charged monotube Bilstein shock absorbers and 30 mm stabilizer bar, lateral and diagonal lower links |
| Rear                                | Five-link independent with coil springs, link-type 16 mm stabilizer bar, gas-charged monotube Bilstein shock absorbers and isolated suspension cradle              |

**STEERING**

|                                 |   |
|---------------------------------|---|
| Type                            | Rack and pinion with hydraulic power assist |
| Overall Ratio                   | 14.4:1                                      |
| Turning Diameter (curb-to-curb) | 37.5 ft. (11.48 m)                          |
| Steering Turns (lock-to-lock)   | 2.75  |
| P/S Pump                        | Fixed displacement                          |

**TIRES<sup>(c)</sup>**

|                    |                             |
|--------------------|-----------------------------|
| Front and Rear     | Standard on Challenger SRT8 |
| Size and Type      | 245/45ZR20 all-season       |
| Mfr. and Model     | Goodyear Eagle RSA          |
| Revs per Mile (km) | 731 (456) front and rear    |
| Front              | Optional on Challenger SRT8 |
| Size and Type      | P245/45ZR20 three-season    |
| Mfr. and Model     | Goodyear F1 Supercar        |
| Revs per Mile (km) | 726 (450)                   |
| Rear               | Optional on Challenger SRT8 |
| Size and Type      | P255/45ZR20 three-season    |
| Mfr. and Model     | Goodyear F1 Supercar        |
| Revs per Mile (km) | 718 (445)                   |

(c) Other sizes and brands may also be used.



**WHEELS**

Standard

|                   |                       |
|-------------------|-----------------------|
| Type and Material | Fully forged aluminum |
| Size              | 20 x 9 in.            |

**BRAKES**

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 | 1.26 (32) Brembo four-piston fixed with aluminum housing |
| Swept Area            | 316 sq. in. (2,036 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 with manual transmission                 |
| Three-position ESC/Traction Control Mode Selection           | Standard  |
| Power-assist Type  | 8 + 9 (203 + 209) tandem-diaphragm vacuum booster |

>>