2008 Dodge Magnum R/T, SXT and SE 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	Spring 2004 as 2005 model

ENGINE: 2.7-LITER, DOHC 24-VALVE V-6

Availability	Std.—SE
Type and Description	60-degree bank angle, liquid-cooled, active dual-tuned intake manifold with electronically controlled manifold tuning valve
Displacement	167 cu. in. (2736 cu. cm)
Bore x Stroke	3.38 x 3.09 (86 x 78.5)
Valve System	DOHC, 24 valves, hydraulic end-pivot roller followers
Fuel Injection	Sequential, multi-port, electronic
Construction	Semi-permanent mold-aluminum block with cast-in iron liners, cross-bolted main bearing caps, cast-aluminum heads
Compression Ratio	9.7:1
Power (SAE net)	190 bhp (142 kW) @ 6,400 rpm (70.4 bhp/L)
Torque (SAE net)	190 lb.-ft. (258 N•m) @ 4,000 rpm
Max. Engine Speed	6,600 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	6 qt. (5.7L) with dry filter
Coolant Capacity	9.5 qt. (9L)

Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features[a]
Max. Gross Trailer Weight	1,000 lbs. (454 kg)
EPA Fuel Economy mpg (City/Hwy)	21/28[b]

ENGINE: 3.5-LITER, HIGH OUTPUT, SOHC 24-VALVE V-6

Availability	Std.—SXT (RWD/AWD)
Type and Description	60-degree, liquid-cooled, active three-plenum intake manifold with electronically controlled manifold tuning valve and 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 valves, hydraulic, center-pivot roller rocker arms
Fuel Injection	Sequential, multi-port, electronic
Construction	Precision cast mold-aluminum block with cast-in iron liners, cross-bolted main bearing caps and cast-aluminum heads
Compression Ratio	10.10:1
Power (SAE net)	250 bhp (186 kW) @ 6,400 rpm (70.0 bhp/L)
Torque (SAE net)	250 lb.-ft. (340 N•m) @ 3,800 rpm
Max. Engine Speed	6,800 rpm (electronically limited)
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2—recommended, unleaded regular, 87 octane (R+M)/2—acceptable
Oil Capacity	6 qt. (5.7L) with dry filter
Coolant Capacity	10.3 qt. (9.75L)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features[a]
Max. Gross Trailer Weight	2,000 lbs. (907 kg)

EPA Fuel Economy mpg (City/Hwy)	RWD—19/27[(b)], AWD—17/24[(b)]

ENGINE: 5.7-LITER, HEMI® MULTI-DISPLACEMENT V-8

Availability	Std.—R/T (RWD/AWD)
Type and Description	90-degree V-type, liquid-cooled
Displacement	345 cu. in. (5654 cu. cm)
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, 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	9.6:1
Power (SAE net)	340 bhp (254 kW) @ 5,000 rpm (59.6 bhp/L) 350 bhp (261 kW) @ 5,200 rpm – Opt. with Road/Track Performance Group
Torque (SAE net)	390 lb.-ft. (525 N•m) @ 4,000 rpm
Max. Engine Speed	5,800 rpm (electronically limited)
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2—recommended, unleaded regular, 87 octane (R+M)/2—acceptable
Oil Capacity	7 qt. (6.6L)
Coolant Capacity	13.75 qt. (13L)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features[(a)]
Max. Gross Trailer Weight	2,000 lbs. (907 kg)—std. 3,800 lbs. (1724 kg)—opt.
EPA Fuel Economy, mpg (City/Hwy)	RWD—17/25[(b)], AWD—17/24[(b)]

(a) Meets Federal Tier 2, Bin 8 emissions requirements; marketed in California as an ULEV1 (Ultra-low Emission Vehicle) under cleanest vehicle rules.
(b) Fuel economy numbers are based on 2007 EPA figures. Due to changes in EPA requirements, 2008 numbers are not yet determined.

TRANSMISSION: AUTOMATIC, FOUR-SPEED OVERDRIVE

Availability	Std.SE and SXT (RWD)
Description	Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled torque converter clutch, Variable Line Pressure (VLP)
Gear Ratios	
1st	2.84
2nd	1.57
3rd	1.00
4th	0.69
Reverse	2.21
Final Drive Ratio	3.90
Overall Top Gear Ratio	2.70

TRANSMISSION: AUTOMATIC, FIVE-SPEED AUTOMATIC WITH AUTO STICK

Availability	Std. SXT (AWD), R/T (RWD/AWD), and 3.5-liter V6 and 5.7-liter V8 Police package
Description	Adaptive electronic control or 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	3.17
Final Drive Ratio	3.5L (RWD)–2.87; 5.7L (RWD)–2.82, AWD All–3.07
Overall Top Gear	3.5L (RWD)–2.38; 5.7L (RWD)–2.34, AWD All–2.55

TRANSFER CASE

Availability	Std. with all-wheel drive
Type	Single-speed constant engagement
Center Differential	Planetary
Torque Split, Front/Rear	38/62

ELECTRICAL SYSTEM

Alternator	SE 140-amp, SXT and R/T—160-amp
Battery	H7 Case, 600 CCA, maintenance-free

DIMENSIONS AND CAPACITIES[(a)]

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	58.3 (1481)
Ground Clearance	5.6 (143)
Frontal Area, sq. ft. (sq. m)	25.4 (2.36)
Drag Coefficient	SE—0.337 SXT RWD—0.346 R/T RWD—0.355 SXT and R/T AWD—0.365
Curb Weight, lb. (kg)	SE—3847 (1745) SXT RWD—3,895 (1766) SXT AWD—4,159 (1886) R/T RWD—4,179 (1895) R/T AWD—4,393 (1992)

Weight Distribution, percent F/R	SE—51/49, SXT and R/T RWD—52/48 SXT AWD—53/47 R/T AWD—54/46
Fuel Tank Capacity, gal. (L)	SE and SXT RWD—18 (68) SXT AWD and R/T RWD and AWD—19 (72)

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

ACCOMMODATIONS

Seating Capacity, F/R	2/3
Front	
Head room	38.4 (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. (L)	27.2 (770)

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 or all-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 (with 18-inch wheels)—Std. All; Lateral and diagonal lower links with dual ball joint knuckle—Std. RWD; Lower “A” arm—Std. AWD
Rear	Five-link independent with coil springs, gas-charged shock absorbers and isolated suspension cradle-Std. All; Nivomat™ self-leveling shock absorbers-Opt. with trailer tow and Road/Track Performace Group; Link-type stabilizer bar, – Opt. with 18-inch and 20-inch wheels and AWD models

STEERING

Type	Rack-and-pinion with hydraulic power assist
Overall Ratio	16.1:1
Turning Diameter (curb-to-curb)	Rear-wheel drive—38.9 ft. (11.9 m), All-wheel drive—38.8 ft (11.8 m)
Steering Turns (lock-to-lock)	Rear-wheel drive—2.75, all-wheel drive—2.90

TIRES

SE and SXT —Standard

Size and type	P215/65R1798T black sidewall all-season ride
Mfr. and model	Goodyear Integrity
Revs per mile (km)	730 (454)

Optional

Size and type	P215/65R1798T black sidewall all-season ride, self-sealing
Mfr. and model	Continental CT95 ContiSeal™
Revs per mile (km)	730 (454)

R/T—Standard; SXT—Optional

Size and type	P225/60R18H99H all-season touring
Mfr. and model	Continental CH95
Revs per mile (km)	735 (457)

Optional

Size and type	P225/60R18H99H all-season touring self-sealing
Mfr. and model	Continental CH95 ContiSeal
Revs per mile (km)	735 (457)

Road/Track Performance Group—Standard

Size and type	245/45R20 all-season performance
Mfr. and model	Goodyear
Revs per mile (km)	725 (451)

WHEELS

SE RWD—Standard

Type and material	Stamped-steel
Size	17 x 7.0

SXT RWD —Standard

Type and material	Machined-aluminum
Size	17 x 7.0

R/T RWD—Standard; SXT RWD —Optional

Type and material	Ultra-bright machined aluminum

Size	18 x 7.5
R/T & SXT RWD —Optional	
Type and material	Chrome-clad aluminum
Size	18 x 7.5
SXT AWD; R/T AWD—Standard	
Type and material	Machined-aluminum
Size	18 x 7.5
Road/Track Performance Group	
Type and material	Chrome-clad aluminum
Size	20 x 8.0

BRAKES

SE and SXT (RWD)

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	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	Std.—SXT; Opt.—SE
Electronic stability control and brake assist	Std.—SXT; Opt.—SE
Power Assist Type	8 x 9 (203 x 229) tandem-diaphragm vacuum booster – Std

SXT (AWD) and R/T (AWD and RWD)

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 0.87 (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 all-speed traction control	Std.
Electronic Stability Program and Brake Assist	Std.
Power Assist Type	8 x 9 (203 x 229) tandem-diaphragm vacuum booster – Std.

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