

2012 Dodge Charger

SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

GENERAL INFORMATION

Body Style	E-segment Sedan
Assembly Plant	Brampton Assembly Plant, Ontario, Canada
EPA Vehicle Class	Large car
Introduction Date	December 2010 as 2011 model

ENGINE: 3.6-LITER PENTASTAR DOHC 24-VALVE V-6

Availability	Standard — Dodge Charger SE (RWD), SXT and SXT Plus (RWD/AWD)
Type and Description	60-degree V-type, liquid-cooled
Displacement	220 cu. in. (3604 cu. cm)
Bore x Stroke	3.78 x 3.27 in. (96.0 x 83.0 mm)
Valve System	Chain-driven DOHC, 24 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Aluminum deep-skirt block with aluminum-alloy heads
Compression Ratio	10.2:1
Power (SAE net)	292 bhp (218 kW) @ 6,350 rpm (81.1 bhp/L)
Torque (SAE net)	260 lb.-ft. (353 N•m) @ 4,800 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2; and E-85 (Federal Bin 5, 37 state compliant)
Oil Capacity	6 qt. (5.7L) with dry filter
Coolant Capacity	14.0 qt. (13.25L)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features ^(a)
Max. Gross Trailer Weight	1,000 lbs. (454 kg)
EPA Fuel Economy mpg (City/Hwy)	18/27 (RWD with WA580 5-speed automatic transmission) 19/31 (RWD with ZF 8HP45 eight-speed automatic transmission) 18/27 (AWD with ZF 8HP45 eight-speed automatic transmission)
Engine Assembly Plant	Trenton South Engine Plant, Trenton, MI

(a) Meets Federal Tier 2 Bin 5 emission requirements and ULEV II requirements in California, Massachusetts, New York, Maine, Vermont, Connecticut, Pennsylvania, Rhode Island, New Jersey, Oregon and Washington.

ENGINE: 5.7-LITER HEMI® V-8 WITH FOUR-CYLINDER MODE FUEL SAVER TECHNOLOGY

Availability	Standard — Dodge Charger R/T, R/T Plus, R/T Max (RWD/AWD) models and R/T Road & Track (RWD) model
Type and Description	90-degree V-type, liquid-cooled with variable cam timing (VCT)
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	10.5:1
Power (SAE net)	370 bhp (276 kW) @ 5,250 rpm (64.9 bhp/L) — R/T
Torque (SAE net)	395 lb.-ft. (536 N•m) @ 4,200 rpm — R/T
Max. Engine Speed	5,800 rpm (electronically limited)
Fuel Requirement	Unleaded midgrade, 89 octane (R+M)/2 — Recommended Unleaded regular, 87 octane (R+M)/2 — Acceptable
Oil Capacity	7 qt. (6.6L)
Coolant Capacity	14.7 qt. (13.9L)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features ^(b)
Max. Gross Trailer Weight	1,000 lbs. (454 kg)
EPA Fuel Economy mpg (City/Hwy)	16/25 — RWD 15/23 — AWD

(b) Meets Tier 2 Bin 4 emission requirements in all states.

TRANSMISSION: AUTOMATIC FIVE-SPEED OVERDRIVE WITH AUTO STICK

Availability	Standard on Charger SE (RWD) and Charger R/T, R/T Plus, R/T Max (RWD/AWD) models and R/T Road & Track (RWD) model
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	3.16
Final Drive Ratio	SE (RWD) — 2.65 R/T, R/T Plus and R/T Max (RWD) — 2.65 R/T Road & Track (RWD) — 3.06 R/T (AWD) — 3.06
Overall Top Gear	SE (RWD) — 2.20 R/T, R/T Plus and R/T Max (RWD) — 2.20 R/T Road & Track (RWD) — 2.54 R/T (AWD) — 2.54

TRANSMISSION: ZF 8HP45 AUTOMATIC EIGHT-SPEED WITH AUTO STICK

Availability	Standard on Charger SXT and SXT Plus (RWD/AWD) Optional on Charger SE (RWD)
Description	Adaptive electronic control, 'Sport' mode or paddle-shifted driver-interactive manual control. Five clutch-pack design with only two open clutches in any gear. Off-center line pump with low-viscosity oil for reduced spin loss. Torque converter lock with turbine torsional damper for low lock-up speeds in 1 st through 8 th gear.
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.10
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30
Final Drive Ratio	Charger SE, SXT and SXT Plus (RWD) — 2.65 Charger SXT and SXT Plus (AWD) — 3.07
Overall Top Gear	Charger SE, SXT and SXT Plus (RWD) — 1.78 Charger SXT and SXT Plus (AWD) — 2.05

TRANSFER CASE

Availability	Standard on Charger R/T, R/T Plus and R/T Max AWD models, and Charger SXT and SXT Plus AWD models
Type	Active, fully variable with front-axle disconnect
Center Differential	Planetary
Torque Split, Front/Rear	Fully variable

ELECTRICAL SYSTEM

Alternator	160-amp — standard on Charger SE and R/T 180-amp — standard on SXT, SXT Plus, R/T Plus and R/T Max (RWD/AWD) and R/T Road & Track (RWD)
Battery	H7 Case, 730 CCA, maintenance-free

DIMENSIONS AND CAPACITIES^(D)

Wheelbase	120.2 (3052)
Track, Front	63.4 (1611)
Track, Rear	63.8 (1620)
Overall Length	199.9 (5077)
Overall Width	75.0 (1905)
Overall Height	58.4 (1482)
Ground Clearance	SE (RWD) — 5.0 (126.5) SXT and SXT Plus (RWD) — 5.0 (126.5) SXT and SXT Plus (AWD) — 4.9 (125.1) R/T, R/T Plus, R/T Road & Track and R/T Max (RWD) — 5.1 (128.3) R/T, R/T Plus, R/T and R/T Max (AWD) — 4.9 (125.1)
Frontal Area, sq. ft. (sq. m)	26.2 (2.43)
Drag Coefficient (Cd)	0.297
Curb Weight, lb. (kg)	SE (RWD) — 3,961 (1796.7) SXT and SXT Plus (RWD) — 3,996 (1813) SXT and SXT Plus (AWD) — 4,151 (1883) R/T, R/T Plus, R/T Road & Track and R/T Max (RWD) — 4,253 (1929.2) R/T, R/T Plus, R/T and R/T Max (AWD) — 4,450 (2018.5)
Weight Distribution, percent F/R	SE (RWD) — 52/48 SXT and SXT Plus (RWD) — 52/48 SXT and SXT Plus (AWD) — 53/47 R/T, R/T Plus, R/T Road & Track and R/T Max (RWD)—53/47 R/T, R/T Plus, R/T and R/T Max (AWD) — 55/45
Fuel Tank Capacity, gal. (L)	19.1 (72.2)

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

ACCOMMODATIONS

Seating Capacity, F/R	2/3
Front	
Head room	38.6 (981) 36.9 (938.4) with sunroof
Legroom	41.8 (1061)
Shoulder room	59.5 (1510)
Hip room	56.2 (1428)
Seat travel	Driver — 10.6 (270) Passenger — 8.66 (220)
Recliner angle range, deg.	Power — 70.7 Manual — 70
EPA front row interior volume, cu. ft. (cu. m)	55.6 (1.573)
Rear Seat	
Head room	36.6 (930.6) 36.6 (930.6) with sunroof
Legroom	40.1 (1019)
Knee clearance	3.9 (99)
Shoulder room	57.9 (1472)
Hip room	56.1 (1425)
EPA second row interior volume, cu. ft. (cu. m)	49.2 (1.393)
Total Interior Volume, cu. ft. (cu. m)	104.7 (2.97)
EPA Luggage Compartment Volume, cu. ft. (cu. m)	15.4 (0.437)
EPA Interior Volume Index, cu. ft. (cu. m)	120.1 (3.40)
Trunk Liftover Height	30.1 (764.0)

BODY

Layout	Longitudinal front engine, RWD or AWD
Construction	Unitized steel body and aluminum hood

SUSPENSION

Front	Independent SLA with high upper "A" arm, coil spring over gas-charged monotube shock absorbers and stabilizer bar Lateral and diagonal lower links with dual ball joint knuckles One piece lower-control arms — standard on Charger AWD models only High-performance shock absorbers and larger sway bar — included with Super Track Pak
Rear	Five-link independent with coil springs, gas-charged monotube shock absorbers, stabilizer bar and isolated suspension cradle High-performance shock absorbers and larger sway bar — included with Super Track Pak

STEERING

Type	Rack and pinion with hydraulic power assist
Overall Ratio	SE (RWD) — 14.4:1 SXT and SXT Plus (RWD) — 14.4:1 SXT and SXT Plus (AWD) — 16.5:1 R/T, R/T Plus, R/T Road & Track and R/T Max (RWD) — 14.4:1 R/T, R/T Plus, R/T and R/T Max (AWD) — 16.5:1
Turning Diameter (curb-to-curb)	SE (RWD) — 37.7 ft. (11.5 m) SXT and SXT Plus (RWD) — 37.7 ft. (11.5 m) SXT and SXT Plus (AWD) — 38.7 ft. (11.8 m) R/T, R/T Plus, R/T, R/T Road & Track and R/T Max (RWD) — 37.7 ft. (11.5 m) R/T, R/T Plus, R/T and R/T Max (AWD) — 38.7 ft. (11.8 m)
Steering Turns (lock-to-lock)	SE (RWD) — 2.6 SXT and SXT Plus (RWD) — 2.6 SXT and SXT Plus (AWD) — 3.1 R/T, R/T Plus, R/T, R/T Road & Track and R/T Max (RWD) — 2.6 R/T, R/T Plus, R/T and R/T Max (AWD) — 3.1
Performance Steering Gear	Standard with Super Track Pak

TIRES

Availability	Standard on Charger SE and SXT (RWD)
Size and type	P215/65R17 BSW all-season touring
Mfr. and model	Michelin Energy Saver
Revs per mile (km)	748 (465)
Availability	Standard on Charger SXT Plus, R/T and R/T Plus (RWD) Optional on Charger SXT
Size and type	P235/55R18 BSW all-season performance
Mfr. and model	Michelin MXM4
Revs per mile (km)	734 (457)

Availability	Standard on Charger SXT, SXT Plus, R/T, R/T Plus and R/T Max (AWD)
Size and type	P235/55R19 BSW all-season performance
Mfr. and model	Michelin MXM4
Revs per mile (km)	710 (446)

Availability	Standard on Charger R/T Road & Track and R/T Max (RWD) Optional on Charger SXT, SXT Plus, R/T, R/T Plus(RWD)
Size and type	P245/45R20 BSW all-season performance
Mfr. and model	Firestone Firehawk GTV
Revs per mile (km)	725 (451)

Availability	Included with Super Track Pak on Charger R/T Road & Track (RWD)
Size and type	P245/45R20 BSW three-season high-performance
Mfr. and model	Goodyear Eagle F1
Revs per mile (km)	725 (451)

WHEELS

Availability	Standard on Charger SE and SXT (RWD)
Type and material	Five-spoke design, cast aluminum, fully painted
Size	17 x 7.0

Availability	Standard on Charger R/T (RWD) Optional on Charger SXT (RWD)
Type and material	Six-spoke design, cast aluminum, painted and polished
Size	18 x 7.5

Availability	Standard on Charger SXT Plus and R/T Plus (RWD)
Type and material	Five-spoke design, cast aluminum, chrome clad
Size	18 x 7.5

Availability	Standard on Charger SXT, SXT Plus, R/T, R/T Plus and R/T Max (AWD)
Type and material	Five-spoke design, cast aluminum, painted and polished
Size	19 x 7.5

Availability	Standard on Charger R/T Road & Track and R/T Max (RWD) Optional on Charger SXT, SXT Plus, R/T, R/T Plus (RWD)
Type and material	Five-spoke design, cast aluminum, chrome clad
Size	20 x 8.0

Availability	Included with Charger SXT, SXT Plus with Blacktop Package (RWD)
Type and material	Five-spoke design, cast aluminum, Pitch Black painted
Size	20 x 8.0

Availability	Optional on Charger R/T Road & Track (RWD)
Type and material	Five-spoke heritage design, forged, polished aluminum
Size	20 x 8.0

BRAKES

Touring Brake Package	Standard on Charger SE, SXT and SXT Plus (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	259 sq. in. (1671 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	264 sq. in. (1703 sq. cm)

Performance Brake Package	Standard on Charger R/T, R/T Plus, R/T Road & Track and R/T Max (RWD), included with Rallye Appearance Group and Blacktop package on SXT and SXT Plus (RWD) models
Front	
Rotor size and type	13.6 x 1.26 (345 x 28) vented
Caliper size and type	1.65 (42) dual-piston sliding with aluminum housing
Swept area	249 sq. in. (1606 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	264 sq. in. (1703 sq. cm)

AWD Touring Brake Package	Standard on Charger SXT, SXT Plus, R/T, R/T Plus and R/T Max (AWD)
Front	
Rotor size and type	13.6 x 1.0 (345 x 28) vented
Caliper size and type	1.65 (42) dual-piston sliding with aluminum housing
Swept area	249 sq. in. (1606 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	264 sq. in. (1703 sq. cm)

SUSPENSION

Touring-tuned Suspension	Standard on Charger SE, SXT and SXT Plus (RWD)
Front	
Stabilizer bar	27 mm, solid
Shock type/rate	Monotube with 172 lb./in.
Rear	
Stabilizer bar	16 mm, solid
Shock type/rate	Monotube with 430 lb./in.
AWD Touring-tuned Suspension	Standard on Charger SXT, SXT Plus, R/T, R/T Plus and R/T Max (AWD)
Front	
Stabilizer bar	32 mm, solid
Shock type/rate	Monotube with 340 lb./in.
Rear	
Stabilizer bar	16 mm, solid
Shock type/rate	Monotube with 600 lb./in.
Performance-tuned Suspension	Standard on Charger R/T, R/T Plus, R/T Road & Track and R/T Max (RWD) Included on Charger SXT and SXT Plus with Blacktop Package or SXT Appearance Group (RWD)
Front	
Stabilizer bar	27 mm, solid
Shock type/rate	Monotube with 340 lb./in.
Rear	
Stabilizer bar	16 mm, solid
Shock type/rate	Monotube with 670 lb./in.
Super Track Pak Suspension	Optional on Charger R/T Road & Track (RWD)
Front	
Stabilizer bar	30 mm, solid
Shock type/rate	Monotube with 340 lb./in.
Rear	
Stabilizer bar	20 mm, solid
Shock type/rate	Monotube with 670 lb./in.

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