

2012 Dodge Charger

CANADIAN SPECIFICATIONS

Dimensions are in millimetres (inches) unless otherwise noted.

GENERAL INFORMATION

Body Style	Full-size Sedan
Assembly Plant	Brampton Assembly Plant, Brampton, Ontario
EnerGuide Vehicle Class	Full Size
Introduction Date	December 2010 as 2011 model

ENGINE: 3.6-LITRE PENTASTAR™ DOHC 24-VALVE VVT V6

Availability	Standard—Dodge Charger SE (RWD), (SXT, 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	292 bhp @ 6,350 rpm
Torque	260 lb-ft @ 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 L (qt.)	5.7 (6) with dry filter
Coolant Capacity L (qt.)	13.25 (14.0)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features ^(a)
Max. Gross Trailer Weight kg (lb)	454 (1,000)
EPA Fuel Economy mpg (City/Hwy) L/100 km (MPG)	11.7/7.3 (24/39)(with WA580 five-speed automatic transmission RWD) 10.9/6.4 (26/44) (with ZF 8HP45 eight-speed automatic transmission RWD)Ω 11.4/7.3 (25/39) (with ZF 8HP45 eight-speed automatic transmission AWD)
Engine Assembly Plant	Trenton South Engine Plant, Trenton, MI, USA

Ω 2012 Estimated fuel economy

ENGINE: 5.7-LITRE HEMI® VVT V8 WITH FOUR-CYLINDER MODE FUELSAVER TECHNOLOGY

Availability	Standard—Dodge Charger R/T,(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 in (mm)	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	370 bhp @ 5,250 rpm (64.9 bhp/L)— R/T
Torque	395 lb-ft @ 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 L (qt.)	6.6 (7)
Coolant Capacity L (qt.)	13.9 L (14.7)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	1,000 lbs. (454 kg)
EPA Fuel Economy L/100 km (mpg) (City/Hwy)	13.5/8.0 (21/35) – RWD 14.4/8.5 (20/33) – AWD

TRANSMISSION: AUTOMATIC FIVE-SPEED OVERDRIVE WITH AUTO/STICK™

Availability	Standard on Charger SE (RWD), and Charger R/T, (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, (RWD)—2.65 R/T Road & Track (RWD)—3.06 R/T (AWD)—3.06
Overall Top Gear	SE (RWD)—2.20 R/T, (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, 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-centre 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, (RWD)—2.65 Charger SXT and SXT Plus (AWD)—3.06
Overall Top Gear	Charger SE, (RWD)—1.78 Charger SXT and SXT Plus (AWD)—2.05

TRANSFER CASE

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

ELECTRICAL SYSTEM

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

DIMENSIONS AND CAPACITIES^(B)

Wheelbase	3052 (120.2 in)
Track, Front	1611 (63.4 in)
Track, Rear	1620 (63.8 in)
Overall Length	5077 (199.9 in)
Overall Width	1905 (75.0 in)
Overall Height	1482 (58.4 in)
Ground Clearance	SE (RWD)—126.5 (5.0 in) SXT and SXT Plus (RWD)—126.5 (5.0 in) SXT and SXT Plus (AWD)—125.1 (4.9 in) R/T, R/T Road & Track (RWD)—128.3 (5.1 in) R/T, R/T Road & Track (AWD)—125.1 (4.9 in)
Frontal Area, sq. m (sq. ft.)	2.43 (26.2)
Drag Coefficient (Cd)	0.297
Curb Weight, kg (lb)	SE (RWD)—1,797 (3,961) SXT and SXT Plus (RWD)—1,813 (3,996) SXT and SXT Plus (AWD)—1,883 (4,151) R/T, R/T Road & Track (RWD)—1,929 (4,253) R/T, R/T Road & Track (AWD)—2,019 (4,450)
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 Road & Track and R/T Max (RWD)—53/47

R/T (AWD)—55/45

Fuel Tank Capacity, L (imp. gal.)	72.2 (15.9)
-----------------------------------	-------------

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

ACCOMMODATIONS

Seating Capacity, F/R	2/3
-----------------------	-----

Front

Head room	981 (38.6) 938 (36.9) with sunroof
-----------	---------------------------------------

Legroom	1061 (41.8)
---------	-------------

Shoulder room	1510 (59.5)
---------------	-------------

Hip room	1428 (56.2)
----------	-------------

Seat travel	Driver—270 (10.6) Passenger—220 (8.66)
-------------	---

Recliner angle range, deg.	Power —70.7 Manual—70
----------------------------	--------------------------

front row interior volume, cu.m (cu. ft.)	1.573 (55.6)
--	--------------

Rear Seat

Head room	931 (36.6) 36.6 (930.6) with sunroof
-----------	---

Legroom	1019 (40.1)
---------	-------------

Knee clearance	99 (3.9)
----------------	----------

Shoulder room	1472 (57.9)
---------------	-------------

Hip room	1425 (56.1)
----------	-------------

second row interior volume, L (cu. ft.)	1393 (49.2)
--	-------------

Total Interior Volume, L (cu. ft.)	2965 (104.7)
------------------------------------	--------------

Luggage Compartment Volume, L(cu.ft)	436 (15.4)
--------------------------------------	------------

Interior Volume Index, L(cu. ft)	3401 (120.1)
-------------------------------------	--------------

Trunk Lifter Height	764 (30.1)
---------------------	------------

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 and R/T Road & Track (RWD) -14.4:1 R/T (AWD)—16.5:1
Turning Diameter (curb-to-curb)	SE (RWD)—11.5 m (37.7 ft.) Rallye and Rallye Plus (RWD)—11.5 m (37.7 ft.) Rallye and Rallye Plus (AWD)—11.8 m (38.7 ft.) R/T, R/T Road & Track (RWD)—11.5 m (37.7 ft.) R/T,(AWD)—11.8 m (38.7 ft.)
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 and R/T Road & Track (RWD)—2.6 R/T (AWD)—3.1
Performance Steering Gear	Standard with Super Track Pak

TIRES

Availability	Standard on Charger SE (RWD)
Size and type	P215/65R17 BSW all-season touring
Mfr. and model	Michelin Energy Saver
Revs per km (mile)	465 (748)
Availability	Standard on Charger SXT and SXT Plus and R/T (RWD)
Size and type	P235/55R18 BSW all-season performance
Mfr. and model	Michelin MXM4
Revs per km (mile)	457 (734)
Availability	Standard on Charger SXT and SXT Plus, R/T(AWD)
Size and type	P235/55R19 BSW all-season performance
Mfr. and model	Michelin MXM4
Revs km (mile)	446 (710)
Availability	Standard on Charger R/T Road & Track (RWD) Optional on Charger SXT and SXT Plus, R/T(RWD)
Size and type	P245/45R20 BSW all-season performance
Mfr. and model	Firestone Firehawk GTV
Revs per km (mile)	451 (725)
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 (RWD)
Type and material	Five-spoke design, cast aluminum, fully painted
Size	17 x 7.0

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

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

Availability	Included with Charger SXT and 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 in (mm)	12.6 x 1.1 (320 x 28) vented
Caliper size and type in (mm)	2.36 (60) single-piston sliding with aluminum housing
Swept area	1,671 sq. cm (259 sq. in.)
Rear	
Rotor size and type in (mm)	12.6 x 0.4 (320 x 10) solid
Caliper size and type in (mm)	1.65 (42) single-piston sliding with aluminum housing
Swept area	1,703 sq. cm (264 sq. in.)

Performance Brake Package	Standard on Charger R/T, R/T Road & Track (RWD), included with Rallye Appearance Group and Blacktop package on SXT and SXT Plus (RWD) models
Front	
Rotor size and type in (mm)	13.6 x 1.26 (345 x 28) vented

Caliper size and type in (mm)	1.65 (42) dual-piston sliding with aluminum housing
Swept area	1,606 sq. cm (249 sq. in.)
Rear	
Rotor size and type in (mm)	12.6 x 0.87 (320 x 22) vented
Caliper size and type in (mm)	1.65 (42) single-piston sliding with aluminum housing
Swept area	1,703 sq. cm (264 sq. in.)
AWD Touring Brake Package	Standard on Charger SXT and SXT Plus, R/T (AWD)
Front	
Rotor size and type in (mm)	13.6 x 1.0 (345 x 28) vented
Caliper size and type in (mm)	1.65 (42) dual-piston sliding with aluminum housing
Swept area	1,606 sq. cm (249 sq. in.)
Rear	
Rotor size and type in (mm)	12.6 x 0.87 (320 x 22) vented
Caliper size and type in (mm)	1.65 (42) single-piston sliding with aluminum housing
Swept area	1,703 sq. cm (264 sq. in.)
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 and SXT Plus, R/T (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 Road & Track (RWD) Included on Charger SXT and SXT Plus with Blacktop package or Rallye 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.

>>