

2012 Dodge Avenger SPECIFICATIONS

The information shown is preliminary and based on data available at the time of publication. All dimensions are in inches (millimeters) unless otherwise noted. All dimensions are measured at curb weight with standard wheels and tires unless otherwise noted.

GENERAL INFORMATION

Body Style	Four-door sedan
Assembly Plant	Sterling Heights Assembly, Michigan
EPA Vehicle Class	Mid-size
Introduction date	December 2008

ENGINE: 2.4-LITER GASOLINE DOHC 16-VALVE DUAL VVT SMPI I-4

Availability	Standard on Avenger Express, Mainstreet and Lux models
Type and Description	Four cylinders in-line, tuned intake manifold with electronic active charge motion control valves, dual counter-rotating balance shafts
Displacement	144 cu. in. (2,360 cu. cm.)
Bore x Stroke	3.46 x 3.82 (88 x 97)
Valve System	Chain-driven DOHC, 16 valves, electronically-controlled dual Variable-valve Timing (VVT), direct-acting shimless mechanical bucket tappets
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	High-pressure die-cast aluminum block with dry iron liners, cast-aluminum cylinder heads, cast-aluminum ladder frame, forged steel crankshaft
Compression Ratio	10.5:1
Power (SAE net, estimated)	173 bhp (129 kW) @ 6,000 rpm (71 bhp/liter)
Torque (SAE net, estimated)	166 lb.-ft. (225 Nm) @ 4,400 rpm
Max. Engine Speed	6,500 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	4.5 qt. (4.23L) SAE 5W-20
Coolant Capacity	7.2 qt. (6.8L)
Emission Controls	Single catalytic converter, dual heated oxygen sensors and engine features ^(a) 0.9 g/mile (0.56 g/km)
Estimated EPA Fuel Economy (City/Hwy)	21/30 – 4-speed ATX 20/31 – 6-speed ATX

(a) Meets Federal Tier 2, Bin 5 emissions requirements and PZEV requirements in California, Massachusetts, New York, Maine, Vermont, Connecticut, Pennsylvania, Rhode Island, New Jersey, Oregon and Washington. Meets Euro IV emissions requirements.

ENGINE: 3.6-LITER GASOLINE DOHC 24-VALVE SMPI V-6

Availability	Optional on Avenger SE and SXT models, Standard on SXT Plus and R/T
Type and Description	60-degree bank angle, liquid-cooled, three-plenum intake manifold with electronically-controlled manifold tuning valve and short-runner valves
Displacement	3,605 cu. cm.
Bore x Stroke	3.78 x 3.28 (96 x 83 mm)
Valve System	DOHC, 24 valves, hydraulic, roller finger followers
Fuel Injection	Sequential, multi-port, electronic
Construction	High-pressure die-cast A380 aluminum block with iron liners and semi-permanent mold A319 aluminum heads
Compression Ratio	10.0:1
Power (SAE net, estimated)	283 bhp (211 kW) @ 6,400 rpm
Torque (SAE net, estimated)	260 lb.-ft. (353 Nm) @ 4,400 rpm
Max. Engine Speed	6,800 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2 – acceptable
Oil Capacity	6 qts (5.7L) with dry filter SAE 5W-30
Coolant Capacity	10.3 pts (9.75L)
Emission Controls	Dual catalytic converter, four heated oxygen sensors, electronic EGR, and internal engine features ^(d)
Estimated EPA Fuel Economy (City/Hwy)	19/29

(d) 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. Meets Euro IV emissions requirements.

TRANSAXLE: 40TES AUTOMATIC FOUR-SPEED OVERDRIVE

Availability	Standard with Avenger SE model
Description	Four-speed overdrive, adaptive electronic control, electronically-modulated converter clutch
Gear Ratios	
1 st	2.842
2 nd	1.57
3 rd	1.00
4 th	0.69
Reverse	2.21
Final Drive Ratio	3.91 with 2.4L engine
Overall Top Gear	2.69 with 2.4L engine

TRANSAXLE: 62TE AUTOMATIC SIX-SPEED OVERDRIVE

Availability	Standard with Avenger SXT, SXT Plus and R/T
Description	Six-speed, adaptive electronic control or Auto Stick driver-interactive manual control and electronically-modulated torque converter clutch
Gear Ratios	
1 st	4.127
2 nd	2.842
3 rd	2.283
4 th	1.452
5 th	1.00
6 th	0.69
Reverse	3.214
Transfer Ratio	0.95
Final Drive Ratio	3.16 w/ 3.6L engine, 3.43 w/ 2.4L engine
Overall Top Gear	2.06 w/ 3.6L engine, 2.24 w/ 2.4L engine

DRIVETRAIN
Front-wheel Drive

Availability	Standard with all engines
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DIMENSIONS AND CAPACITIES

Wheelbase	108.9 (2765.0)
Track, Front	61.7 (1567.0)
Track, Rear	62.7 (1593.8)
Overall Length	192.6 (4892.0)
Overall Width	72.8 (1849.6) w/o side mirrors / 81.3 (2063.8) with side mirrors
Overall Height	58.4 (1483.4) with P225/55R17
Cd	0.328
Fuel Tank Capacity, gal. (L)	16.9 (64.0) Standard and FFV 18.5 PZEV
Towing Capabilities, lbs. (kg)	
2.4L Auto. Trans.	1000 (450)
3.6L Auto. Trans.	1000 (450)

(e) Maximum frontal area of trailer or boat: 22 square feet 3.6L engine and 11 square feet 2.4L engine.

Curb Weight, lbs. (kg)

2.4L I-4 Engine	Avenger SE 3400.2 (1542.3)
3.6L V-6 Engine	Avenger SXT Plus 3,607.2 (1636.2)

ACCOMMODATIONS

Seating Capacity - F/R	2/3
EPA Total Interior Passenger Volume, cu. ft. (cu. m.)	100.2 (2.837)
Front	
Head Room w/o Sunroof	40.0 (1017.3)
Head Room w/Sunroof	37.9 (962.7)
Legroom	42.4 (1077.1)
Shoulder Room	56.3 (1431.1)
Hip Room	52.6 (1336.2)
Seat Travel	10.32 (260)
EPA Front Compartment Volume, cu. ft. (cu. m.)	55.3 (1.56)
Rear	
Head Room w/o Sunroof	38.3 (972.3)
Legroom	36.2 (919.2)
Shoulder Room	56.0 (1421.7)
Hip Room	52.8 (1341.3)
Knee Clearance	2.0 (49.8)
EPA Rear Compartment Volume, cu. ft. (cu. m.)	44.9 (1.28)
Cargo	
Trunk Lift-over Height	30.5 (774.2) with P225/55R17
SAE Luggage Compartment Volume, cu. ft. (cu. m.)	13.5 (0.382)

BODY/CHASSIS

Layout	Transverse front engine, front-wheel drive
Construction	Steel Unibody

SUSPENSION

Front	Independent MacPherson strut, coil spring over gas-charged shock absorbers, stabilizer bar with isolated suspension cradle
Rear	Multi-link independent with coil springs, link-type stabilizer bar, gas-charged shock absorbers and isolated rear suspension cradle

STEERING

Type	Power rack and pinion
Overall Ratio	16.65:1
Turning Diameter (curb-to-curb)	36.5 ft. (17-in. wheels), 37.7 ft. (18-in. wheels)
Steering Turns (lock-to-lock)	2.98 (17-in. wheels), 2.89 (18-in. wheels)

BRAKES

Availability	Standard on Avenger Express, Mainstreet, Heat, R/T and Lux models
Power-assist Type	8 x 9 (204 x 230) tandem-diaphragm vacuum
<i>Front</i>	
Size and Type	11.5 x 1.0 (294 x 26) vented rotors with 2.2 (57.0) single-piston floating caliper
Swept Area (Total Front)	223.5 sq. in. (1442.1 sq. cm.)
<i>Rear</i>	
Size and Type	10.3 x 0.4 (262 x 10) solid rotor with 1.4 (35.0) single-piston floating caliper
Swept Area (Total Rear)	138.6 sq. in. (894.6 sq. cm.)
Parking Brake Type	Drum-in-hat
Anti-lock Brake System (ABS)	Standard
Electronic Stability Control (ESC)	Standard
Traction Control	Standard
Brake Assist	Standard

WHEELS

Availability	Standard on Avenger SE model
Type and Material	Steel wheel with Painted wheel cover, Sparkle Silver
Size	17 x 6.5
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Availability	Standard on Avenger SXT model
Type and Material	Machined and Painted cast-aluminum, Sparkle Silver
Size	17 x 6.5
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Availability	Available on Avenger SXT Plus and R/T
Type and Material	Polished and painted cast aluminum, Sparkle Silver
Size	18 x 7.0

TIRES

Availability	Standard on Avenger SE and SXT models
Size and Type	P225/55R17, All-season
Model	Michelin Primacy MXV4 Touring
Revs per Mile (km)	778 (1252.0)
Availability	Standard on Avenger SXT Plus and R/T models
Size and Type	P225/50R18, All-season Touring
Model	Goodyear Eagle LS-2
Revs per Mile (km)	777 (1250.4)
Availability	Standard on Avenger SE and SXT models
Size and Type	P225/55R17, All-season Touring
Model	Continental ProContact Touring
Revs per Mile (km)	779 (1262.7)

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