

# 2010 Dodge Viper SRT10® SPECIFICATIONS\*

## GENERAL INFORMATION

Body Styles	Roadster/Coupe
Assembly Plant	Conner Avenue, Detroit
EPA Vehicle Class	2-seater
Current Platform Introduction Date (ZB Body)	2003 model year

## ENGINE: 8.4-LITER V-10

Type and Description	10-cylinder, 90-degree V-type, liquid-cooled
Displacement	8.4 liter (510 cu. in.)
Bore x Stroke	4.055 x 3.96 (103 x 100.6)
Valve System	OHV, Variable-Valve Timing (VVT), 20 valves, roller-type hydraulic lifters
Fuel Injection	Sequential, multi-port, electronic
Construction	Aluminum alloy block with cast-iron liners, aluminum-alloy heads
Compression Ratio	10.2:1
Power (SAE net)	600 bhp (450 kW) @ 6,100 rpm (71 bhp/L)
Torque (SAE net)	560 lb.-ft. (760 N•m @ 5,000 rpm)
Max. Engine Speed	6,250 rpm
Fuel Requirement	Unleaded premium—91 octane (R+M)/2
Oil Capacity (with Filter)	11 qt. (10.4L)
Coolant Capacity	16 qt. (15L)
Emission Controls	Four three-way catalytic converters, heated oxygen sensors, engine internal features(a)
EPA Fuel Economy (City/Hwy)	13/22

(a) Meets Tier 2 standards in all 50 states.

## ELECTRICAL SYSTEM

Alternator	180-amp high-speed
Battery	Leak-resistant, maintenance-free, 600 CCA
Radio	AM/FM/CD radio with MP3 play capability features 310-watt RMS audio amplifier and seven speakers. Optional Uconnect™ Navigation packaged with SIRIUS Satellite Radio

## TRANSMISSION: Manual 6-Speed Overdrive

Description	Synchronized in all gears, electronic 1-4 skip-shift and reverse lockout mechanisms, new short-throw shifter on ACR
Gear Ratios	
1st	2.66
2nd	1.82
3rd	1.30
4th	1.00
5th	0.80
6th	0.50
Axle Ratio	3.07
Overall Top-Gear	1.50

## FINAL DRIVE

Description	Frame-mounted hypoid bevel gear with GKN ViscoLok speed-sensing limited-slip differential
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## DIMENSIONS AND CAPACITIES(a)

Wheelbase	98.8 (2510)
Track, Front	61.6 (1565)
Track, Rear	60.9 (1547)
Overall Length	175.6 (4459)
Overall Width (at Sills)	75.2 (1911)
Overall Height	47.6 (1210)
Ground Clearance	5.125 (130)
Curb Weight	3,454 lbs. (1567 kg) Coupe 3,441 lbs. (1561 kg) Roadster 3,408 lbs. (1552 kg) ACR Coupe 3,366 lbs. (1533 kg) ACR Hard Core Coupe
Weight Distribution (F/R)	49.6/50.4
Frontal Area	19.3 sq. ft. (1.79 sq. m)
Drag Coefficient	0.42 (top down), 0.38 (top up) Roadster; 0.38 Coupe
Fuel-Tank Capacity	16.0 gal. (70L)

(a) All dimensions measured with two passengers.

## ACCOMMODATIONS

Seating Capacity	2
Head Room	36.5 (926)
Leg Room	42.4 (1077)
Shoulder Room	54.1 (1375)
Seat Travel	7.6 (192)
Recliner Range	45°

## BODY

Layout	Longitudinal front engine, rear-wheel drive
Construction	Backbone tubular space frame with separate cowl structure. SMC and RIM body panels, aluminum sills, RIM front and rear fascias with composite impact beams

## ACR AERODYNAMICS

Front	Carbon fiber “fanged” splitter with rub strips; splitter extension; carbon dive planes;
Rear	Carbon fiber wing, new end plate with seven-position adjustable stanchions
Downforce @ 150 mph (high down force setup)	1,000 lbs.

## SUSPENSION

Type	Four-wheel independent with high-performance aluminum control arms and knuckles and lightweight coil-over shock absorbers
Front	Cast-aluminum unequal-length upper and lower “A” arms, coil springs, low-pressure gas-charged shock absorbers, stabilizer bar

Rear	Cast-aluminum unequal-length upper and lower "A" arms, toe-control links, coil springs, low-pressure gas-charged shock absorbers, stabilizer bar
<b>ACR SUSPENSION</b>	
Type	Four-wheel independent with high-performance aluminum control arms and knuckles, KW Suspensions with two-way adjustable competition coil-over shock absorbers with remote reservoir
Front	Cast-aluminum unequal-length upper and lower "A" arms, high-rate coil springs, gas-charged two-way adjustable monotube shock absorbers, high-rate stabilizer bar
Rear	Cast-aluminum unequal-length upper and lower "A" arms, toe-control links, high-rate coil springs, gas-charged two-way adjustable monotube shock absorbers, stabilizer bar
<b>STEERING</b>	
Type	Power-assisted rack-and-pinion
Overall Ratio	16.7:1
Turning Diameter (curb-to-curb)	40.5 ft. (12.34 m)
Steering Turns (lock-to-lock)	2.4
<b>TIRES</b>	
Front	Standard on Roadster and Coupe
Size and Type	P275/35ZR18
Manufacturer and Model	Michelin® Pilot® Sport PS2 with low-pressure sensors in valve stems
Revs per Mile	815 rpm
Rear	Standard on Roadster and Coupe
Size and Type	P345/30ZR19
Manufacturer and Model	Michelin Pilot Sport PS2 with low-pressure sensors in valve stems
Revs per Mile	764 rpm
Front	Standard on ACR
Size and Type	P295/30ZR18
Manufacturer and Model	Michelin Pilot Sport Cup with low-pressure sensors in valve stems
Revs per Mile	833 rpm
Rear	Standard on ACR
Size and Type	P345/30ZR19
Manufacturer and Model	Michelin Pilot Sport Cup with low-pressure sensors in valve stems
Revs per Mile	765 rpm

<b>WHEELS</b>	
Type and Material	Forged aluminum, Roadster and Coupe Lightweight forged aluminum "Sidewinder," ACR
Size	18.0 x 10.0—front, 19.0 x 13.0—rear
<b>BRAKES</b>	
Front—Size and Type	14.0 x 1.26 (355.0 x 32.0) vented disc, with Brembo 44/40 opposing piston calipers, Roadster and Coupe 14.0 x 1.26 (355.0 x 32.0) vented disc, with Brembo 44/40 opposing piston calipers, curved fin vented StopTech two-piece slotted rotors, ACR
Rear—Size and Type	14.0 x 1.26 (355.0 x 32.0) vented disc, with Brembo 42/38 dual opposing calipers, Roadster and Coupe 14.0 x 1.26 (355.0 x 32.0) vented disc, with Brembo 42/38 dual opposing calipers, curved fin vented StopTech two-piece slotted rotors, ACR
Power-Assist Type	Tandem diaphragm vacuum with zero lost travel

\*All dimensions are in inches (millimeters) unless otherwise noted. Information shown is correct at time of publication and is subject to change.

