

2008 Dodge Viper SRT10® ACR

SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted.

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

GENERAL INFORMATION

Body Styles _____ Coupe
Assembly Plant _____ Conner Avenue (Detroit, Michigan)
EPA Vehicle Class _____ Two-seater

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, 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 (450KW) @ 6100 rpm (71 bhp/L)
Torque (SAE net) _____ 560 lb.-ft. (760 N•m @ 5000 rpm)
Max. Engine Speed _____ 6,250 rpm
Fuel Requirement _____ Unleaded premium—91 Octane (R+M)/2
Oil Capacity (with filters) _____ 10 qt. (9.5L)
Coolant Capacity _____ 16 qt. (15L)
Emission Controls _____ Four three-way catalytic converters, heated oxygen sensors,
engine internal features(a)

EPA Fuel Economy (city/highway) _____ N/A
(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 disc play capability,
with 310-watt RMS audio amplifier and seven speakers

TRANSMISSION

Manual Six-speed Overdrive

Description _____ Synchronized in all gears, electronic 1-4 skip-shift and reverse lockout mechanisms

Gear Ratios

1 st	2.66
2 nd	1.82
3 rd	1.30
4 th	1.00
5 th	0.74
6 th	0.50

Axle Ratio _____ 3.07

Overall Top Gear _____ 1.5

FINAL DRIVE

Description _____ Frame-mounted hypoid bevel gear with GKN ViscoLok
speed-sensing limited-slip differential

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 (estimated) _____ 3,408 lbs. (1552 kg), ACR;
3,366 lbs. (1533 kg) ACR with Hard Core (Audio Delete) Package
Weight Distribution F/R _____ 49.5/50.5
Frontal Area _____ 19.3 sq. ft. (1.79 sq. m)
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°
SAE Interior Volume _____ NA

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

AERODYNAMICS

Front _____ Carbon fiber 'fanged' splitter with rub strips; splitter extension; carbon dive planes
Rear _____ Carbon fiber ACR wing with 7-position adjustable stanchions
Downforce @ 150 mph (high down force set-up) _____ 1000 lbs.

SUSPENSION

Type _____ Four-wheel independent with high-performance aluminum control arms
and knuckles, and KW Suspensions 2-way adjustable competition coil-over shock absorbers
Front _____ Cast-aluminum unequal-length upper and lower "A" arms, high rate coil springs,
gas charged 2-way adjustable monotube shocks absorbers, high rate stabilizer bar
Rear _____ Cast-aluminum unequal-length upper and lower "A" arms, toe-control links,
high rate coil springs, gas charged 2-way adjustable monotube shock absorbers, stabilizer bar

STEERING

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

TIRES

Size and Type _____ P295/30 ZR18—front,
P345/30 ZR19—rear
Manufacturer and Model _____ Michelin® Pilot® Sport Cup with low-pressure sensors in valve stems

WHEELS

Type and Material _____ Lightweight forged aluminum "Sidewinder"
Size _____ 18" x 10.0"—front,
19" x 13"—rear

BRAKES

Front—Size and Type _____ 14.0" x 1.26" (355.0 x 32) vented disc, with Brembo 44/40
opposing piston calipers, curved fin vented StopTech 2-piece slotted rotors
Rear—Size and Type _____ 14.0" x 1.26" (355.0 x 32) vented disc, with Brembo 42/38
dual opposing calipers, curved fin vented StopTech 2-piece slotted rotors
Power Assist Type _____ Tandem diaphragm vacuum with zero lost travel