



2018 Alfa Romeo Stelvio SPECIFICATIONS

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

GENERAL INFORMATION

Vehicle Type	Mid-size SUV, all-wheel-drive (AWD)
Assembly Plant	Cassino Assembly Plant, Cassino, Italy
EPA Vehicle Class	Mid-size SUV

BODY/CHASSIS

Layout	Longitudinal front engine, AWD
Construction	Unitized high-strength steel body
	Aluminum front and rear vehicle frames, front shock towers, brakes, suspension components, doors, fenders, roof and hood
	Composite rear cross member
	Carbon fiber driveshaft

ENGINE: ALL-ALUMINUM 2.0-LITER TURBOCHARGED 4-CYLINDER 280HP AWD ENGINE

Availability	Standard on Stelvio and Stelvio Ti
Type and Description	Inline-four, direct injection, turbo
Displacement	121.7 cu. in. (1,993 cc)
Bore x Stroke	3.31 x 3.54 (84.0 x 89.9)
Valve System	MultiAir2, SOHC, four valves per cylinder with silent chain driven timing drive
	Hollow assembled exhaust camshaft with end pivot roller finger followers and hydraulic lash adjusters
Turbocharger	Direct mount twin-scroll turbocharger with electric wastegate actuation. Intake manifold with liquid cooled charge air cooler
Fuel Injection	Gasoline direct-injection with injector centrally located in the combustion chamber
	Max injection pressure 2,900 psi
Construction	Cylinder head: permanent mold air quenched cast aluminum alloy with integrated exhaust manifold
	Crankcase: precision and cast aluminum alloy with casted steel liners
	Crankshaft: super-finished forged nitride steel with journals offset from cylinder bore centerline
	Piston: forged aluminum cooled with pressure actuated oil jets



Power (SAE net)	280 hp (209 kW) @ 5,200 rpm (140 hp/liter)
Torque (SAE net)	306 lb.-ft. (415 N•m) @ 2,000 - 4,800 rpm
Redline on the Instrument Cluster	5,500 rpm

ENGINE: ALL-ALUMINUM 2.9-LITER TWIN-TURBOCHARGED V-6 505HP AWD ENGINE

Availability	Stelvio Quadrifoglio
Type and Description	V-6, 90-degree, direct injection
Displacement	176.4 cu. in. (2,891 cm ³)
Bore x Stroke	3.40 x 3.23 (86.5 x 82.0)
Valve System	Chain-driven DOHC with intake and exhaust continuous camshaft phasing Four valves per cylinder roller finger actuated with hydraulic lash adjusters Mechanical cylinder deactivation on right bank
Turbochargers	Integrated IHI single-scroll turbo manifold with water charge air cooler
Fuel Injection	Gasoline direct-injection, side mounted Max injection pressure 2,900 psi
Construction	Cylinder head and cover: aluminum alloy with integrated cam carrier Crankcase: closed deck aluminum alloy with wet steel liner Bedplate: aluminum alloy with integrated blow-by control reed valves Crankshaft: super-finished forged nitride steel with single con-rod pin Piston: forged aluminum cooled with twin oil jets
Compression Ratio	9.3:1
Power (SAE net)	505 hp (377 kW) @ 6,500 rpm (175 hp/liter)
Torque (SAE net)	443 lb.-ft. (600 N•m) @ 2500-5500 rpm
Redline on the Instrument Cluster	6,500 rpm
Max. Engine Speed	7,400 rpm
Fuel Requirement	Premium unleaded, 91 octane (R+M)/2
EPA Fuel Economy mpg (city/hwy/combined)	17/23/19
Engine Assembly Plant	Termoli, Italy



TRANSMISSION: 8HP50 EIGHT-SPEED TURBO AUTOMATIC (2.0-LITER)

Availability	Stelvio and Stelvio Ti
Gearbox Type	AT8
Gearbox family	8HP50
Gear Ratios	
1st	5.000
2nd	3.200
3rd	2.143
4th	1.720
5th	1.314
6th	1.000
7th	0.822
8th	0.640
Transmission Type	AWD
Final Drive Ratio	3.73

TRANSMISSION: 8HP75 EIGHT-SPEED TURBO AUTOMATIC (2.9-LITER)

Availability	Stelvio Quadrifoglio
Gearbox type	AT8
Gearbox family	8HP75
Gear Ratios	
1st	5.000
2nd	3.200
3rd	2.143
4th	1.720
5th	1.314
6th	1.000
7th	0.822
8th	0.640
Transmission Type	AWD
Final Drive Ratio	3.73



SUSPENSION

Front	Double wishbone with semi-virtual steering axle
Rear	Alfa Link design with vertical rod link (patented design)
Active Damping	Standard on Stelvio Quadrifoglio Included with Performance Packages on Stelvio Ti

STEERING

Type	Rack and pinion with Variable Electric Assist
Ratio	12:1

BRAKES

Standard brake system	Standard on Stelvio and Stelvio Ti
Front	
Rotor size and type	13.0 x 1.1 (330 x 28)
Caliper size and type	Brembo Four-piston calipers
Rear	
Rotor size and type	12.5 x .86 (320 x 22)
Caliper size and type	Single-piston calipers
High-performance Brembo brake system	Standard on Stelvio Quadrifoglio
Front	
Rotor size and type	14.2 x 1.26 (360 x 32) vented
Caliper size and type	Six-piston aluminum-monoblock calipers
Rear	
Rotor size and type	13.8 in x 1.1 in (350 x 28) vented
Caliper size and type	Four-piston aluminum-monoblock calipers
Ultra-high-performance Brembo Carbon Ceramic Material (CCM) brake system	Optional on Stelvio Quadrifoglio
Front	
Rotor size and type	15.4 x 1.3 (390 x 36) two-piece, vented carbon ceramic matrix
Caliper size and type	Six-piston aluminum-monoblock calipers
Rear	
Rotor size and type	14.2 x 1.1 (360 x 28) two-piece, vented carbon ceramic matrix
Caliper size and type	Four-piston aluminum-monoblock calipers



DIMENSIONS AND CAPACITIES

Wheelbase	111 (2,818)
Track, Front	63.5 (1,612) – Stelvio and Stelvio Ti 61.2 (1,555) – Stelvio Quadrifoglio
Track, Rear	65.0 (1,650) – Stelvio and Stelvio Ti 63.3 (1,608) – Stelvio Quadrifoglio
Overall Length	184.6 (4,688) – Stelvio and Stelvio Ti 185.1 (4,702) – Stelvio Quadrifoglio
Overall Width (not including mirrors)	74.9 (1,903) – Stelvio and Stelvio Ti 77.0 (1,955) – Stelvio Quadrifoglio
Overall Height	66.0 (1,677) – Stelvio and Stelvio Ti 66.3 (1,685) – Stelvio Quadrifoglio
Behind Second-row Seats, cu ft (liters)	18.5 (525)
Maximum Cargo Volume, cu ft (liters)	56.5 (1,600)
Drag Coefficient (Cd)	0.32 – Stelvio and Stelvio Ti 0.34 – Stelvio Quadrifoglio
Towing Capacity, lbs. (kg)	3,000 (1,361)
Fuel Tank Capacity, gal. (liter)	16.9 (64)
Ground Clearance	8.1 (207) – Stelvio and Stelvio Ti 7.9 (201) – Stelvio Quadrifoglio
Curb Weight, lbs. (kg)	4,044 (1,834) – Stelvio and Stelvio Ti 4,360 (1,978) – Stelvio Quadrifoglio

ACCOMMODATIONS

Seating Capacity, F/R	2/3
Headroom, F/R	40.2 (1,020) / 38.9 (987)
Legroom, F/R	36.6 (929) / 31.9 (810)

