



# Alfa Romeo

## 2019 Alfa Romeo Giulia 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 sedan, rear-wheel drive (RWD/AWD)
Assembly Plant	Cassino Assembly Plant, Cassino, Italy
EPA Vehicle Class	Mid-size car

### BODY/CHASSIS

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

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

Availability	Standard on Giulia and Giulia 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



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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
Max. Engine Speed	6,200 rpm
Fuel Requirement	Premium unleaded, 91 octane (R+M)/2
EPA Fuel Economy mpg (city/hwy/combined)	24/33/ 27 (RWD); 23/31/26 (AWD)
Engine Assembly Plant	Termoli, Italy

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

Availability	Giulia Quadrifoglio
Type and Description	V-6, 90-degree, direct injection
Displacement	176.4 cu. in. (2,891 cm <sup>3</sup> )
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



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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)	17/24/20
Engine Assembly Plant	Termoli, Italy

#### **TRANSMISSION: 8HP50 EIGHT-SPEED TURBO AUTOMATIC**

Availability	Giulia and Giulia Ti
Gearbox type	AT8
Gearbox family	8HP50
Gear Ratios	
1st	5.00
2nd	3.20
3rd	2.14
4th	1.72
5th	1.31
6th	1.00
7th	0.82
8th	0.64
Transmission Type	RWD/AWD
Final Drive Ratio	3.15

#### **TRANSMISSION: 8HP75 EIGHT-SPEED TURBO AUTOMATIC**

Availability	Giulia Quadrifoglio
Gearbox type	AT8
Gearbox family	8HP75
Gear Ratios	
1st	5.00
2nd	3.20
3rd	2.14
4th	1.72
5th	1.31
6th	1.00
7th	0.82



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8th	0.64
Transmission Type	RWD
Final Drive Ratio	3.09

## SUSPENSION

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

## STEERING

Type	Rack and pinion with Variable Electric Assist
Ratio	11.8:1

## BRAKES

Standard brake system	Standard on Giulia and Giulia 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 0.86 (320 x 22)
Caliper size and type	One-piston calipers
High-performance Brembo brake system	Standard on Giulia Quadrifoglio
Front	
Rotor size and type	14.2 x 1.26 (360 x 32) vented
Caliper size and type	Brembo six-piston aluminum-monoblock calipers
Rear	
Rotor size and type	13.8 in x 1.1 (350 x 28) vented
Caliper size and type	Brembo four-piston aluminum-monoblock calipers



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Ultra-high-performance Brembo Carbon Ceramic Material (CCM) brake system      Optional on Giulia Quadrifoglio

#### Front

Rotor size and type      15.4 x 1.3 (390 x 36) two-piece, vented carbon ceramic matrix

Caliper size and type      Brembo 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      Brembo four-piston aluminum-monoblock calipers

### DIMENSIONS AND CAPACITIES

Wheelbase      111 (2,818)

Track, Front      61.3 (1,557) – Giulia and Giulia Ti  
61.2 (1,555) – Giulia Quadrifoglio

Track, Rear      63.9 (1,625) – Giulia and Giulia Ti  
63.3 (1,607) – Giulia Quadrifoglio

Overall Length      182.6 (4,643)

Overall Width (not including mirrors)      73.7 (1,860)

Overall Height      56.5 (1,436) – Giulia and Giulia Ti  
57.1 (1,450) – Giulia Q4 AWD and Giulia Ti Q4 AWD  
56.1 (1,426) – Giulia Quadrifoglio

Drag Coefficient (cd)      0.32 – Giulia Quadrifoglio

Fuel Tank Capacity, gal. (liter)      15.3 (58)

### ACCOMMODATIONS

Seating Capacity, F/R      2/3

Headroom, F/R      38.6/37.6

Legroom, F/R      42.4/35.1

Shoulder Room, F/R      56.1/53.6

SAE Interior Volume (cu. ft.)      95.4 cu. ft.

