



Alfa Romeo Product Lineup

2018 Alfa Romeo Giulia SPECIFICATIONS

All dimensions are in millimetres (inches) 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 fibre driveshaft Aluminum roof and hood (Giulia and Ti) Carbon fibre roof and hood (Quadrifoglio exclusive)

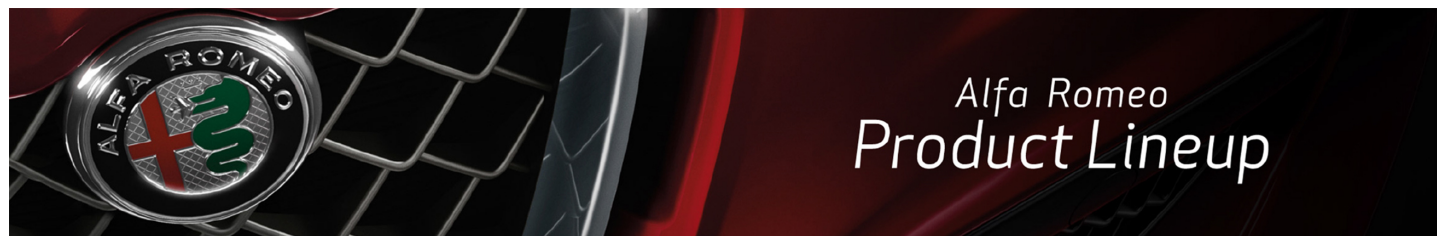
ENGINE: ALL-ALUMINUM 2.0-LITRE TURBOCHARGED 4-CYLINDER 280 HP

Availability	Standard on Giulia and Giulia Ti
Type and Description	Inline 4, direct injection, turbo
Displacement	1,993 cc (121.7 cu. in.)
Bore x Stroke	84.0 x 89.9 (3.31 x 3.54)
Valve System	MultiAir2, SOHC, 4 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 mould 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/litre)
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
EnerGuide Fuel Economy L/100 km (MPG) (city/hwy/combined)	RWD: 10.0 (28) / 7.2 (39) / 8.7 (32) AWD: 10.5 (27) / 7.7 (37) / 9.2 (31)
Engine Assembly Plant	Termoli, Italy

ENGINE: ALL-ALUMINUM 2.9-LITRE TWIN-TURBOCHARGED V6 505 HP RWD	
Availability	Giulia Quadrifoglio
Type and Description	V6, 90-degree, direct injection
Displacement	2,891 cm ³ (176.4 cu. in.)
Bore x Stroke	86.5 x 82.0 (3.40 x 3.23)
Valve System	Chain-driven DOHC with intake and exhaust continuous camshaft phasing 4 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/litre)
Torque (SAE net)	443 lb-ft (600 N•m.) @ 2,500-5,500 rpm



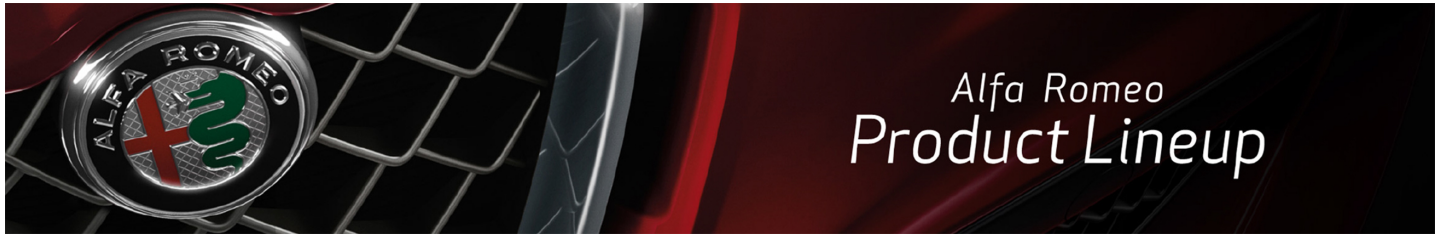
Redline on the Instrument Cluster	6,500 rpm
Max. Engine Speed	7,400 rpm
Fuel Requirement	Premium unleaded, 91 octane (R+M)/2
EnerGuide Fuel Economy L/100 km (MPG) (city/hwy/combined)	13.8 (20) / 9.6 (29) / 11.9 (24)
Engine Assembly Plant	Termoli, Italy

TRANSMISSION: 8HP50 8-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 8-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



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	330 x 28 (13.0 x 1.1)
Caliper size and type	Brembo 4-piston calipers
Rear	
Rotor size and type	320 x 22 (12.5 x 0.86)
Caliper size and type	1-piston calipers
High-Performance Brembo Brake System	Standard on Giulia Quadrifoglio
Front	
Rotor size and type	360 x 32 (14.2 x 1.26) vented
Caliper size and type	Brembo 6-piston aluminum-monoblock calipers
Rear	
Rotor size and type	350 x 28 (13.8 in x 1.1) vented
Caliper size and type	Brembo 4-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	390 x 36 (15.4 x 1.3) 2-piece, vented carbon ceramic matrix
Caliper size and type	Brembo 6-piston aluminum-monoblock calipers

Rear

Rotor size and type	360 x 28 (14.2 x 1.1) 2-piece, vented carbon ceramic matrix
Caliper size and type	Brembo 4-piston aluminum-monoblock calipers

DIMENSIONS AND CAPACITIES

Wheelbase	2,820 (111)
Track, Front	1,557 (61.3) – Giulia and Giulia Ti 1,555 (61.2) – Giulia Quadrifoglio
Track, Rear	1,625 (63.9) – Giulia and Giulia Ti 1,607 (63.3) – Giulia Quadrifoglio
Overall Length	4,643 (182.6)
Overall Width (not including mirrors)	1,860 (73.7)
Overall Height	1,436 (56.5) – Giulia and Giulia Ti 1,450 (57.1) – Giulia Q4 AWD and Giulia Ti Q4 AWD 1,426 (56.1) – Giulia Quadrifoglio
Drag Coefficient (cd)	0.32 – Giulia Quadrifoglio
Fuel Tank Capacity, litre (US gal.)	58 (15.3)

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, litre (cu. ft.)	2,701 (95.4)

