

# FCA CANADA

## 2020 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, RWD/AWD
Assembly Plant	Cassino Assembly Plant, Cassino, Italy
Energuide Vehicle Class	Mid-size car

#### BODY/CHASSIS

Layout	Longitudinal front engine, RWD/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 280HP

Availability	Standard on Giulia and Giulia Ti
Type and Description	Inline-four, direct injection, turbo
Displacement	1,993 cu cm (121.7 cu. in.)
Bore x Stroke	84.0 x 89.9 (3.31 x 3.54)
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/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 (2020) Fuel Consumption Ratings L/100 km (MPG – imp. gal.) (city/hwy/combined)	10.0/7.2/8.7 (28/39/32) (RWD) 10.5/7.7/9.2 (27/37/31) (AWD)
Based on 2020 EnerGuide fuel consumption ratings. Government of Canada test methods used. Your actual fuel consumption will vary based on driving habits and other factors. For EnerGuide information, please visit the Government of Canada website: <a href="http://www.vehicles.nrcan.gc.ca">www.vehicles.nrcan.gc.ca</a>	
Engine Assembly Plant	Termoli, Italy

**ENGINE: ALL-ALUMINUM 2.9-LITRE TWIN-TURBOCHARGED V-6 505HP RWD**

Availability	Giulia Quadrifoglio
Type and Description	V-6, 90-degree, direct injection
Displacement	2,891 cu cm (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 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	Port fuel injection and side mounted gasoline direct injection Max injection pressure 3,600 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) @ 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
EnerGuide (2020) Fuel Consumption Ratings L/100 km (MPG – imp. gal.) (city/hwy/combined)	13.5/9.3/11.6 (21/30/24)
Based on 2020 EnerGuide fuel consumption ratings. Government of Canada test methods used. Your actual fuel consumption will vary based on driving habits and other factors. For EnerGuide information, please visit the Government of Canada website: <a href="http://www.vehicles.nrcan.gc.ca">www.vehicles.nrcan.gc.ca</a>	
Engine Assembly Plant	Termoli, Italy

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

Availability	Giulia Quadrifoglio
Gearbox type	AT8
Gearbox family	8HP75
<b>Gear Ratios</b>	
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

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**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 four-piston calipers
Rear	
Rotor size and type	320 x 22 (12.5 x 0.86)
Caliper size and type	Single-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 six-piston aluminum-monoblock calipers
Rear	
Rotor size and type	350 x 28 (13.8 in x 1.1) vented
Caliper size and type	Brembo four-piston aluminum-monoblock calipers
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) two-piece, vented carbon ceramic matrix
Caliper size and type	Brembo six-piston aluminum-monoblock calipers
Rear	
Rotor size and type	360 x 28 (14.2 x 1.1) two-piece, vented carbon ceramic matrix
Caliper size and type	Brembo four-piston aluminum-monoblock calipers

**DIMENSIONS AND CAPACITIES**

Wheelbase	2,820 (111.0)
Track, Front	1,557 (61.3) – Giulia and Giulia Ti
	1,555 (61.2) – Giulia Quadrifoglio
Track, Rear	1,625 (64.0) – Giulia and Giulia Ti
	1,607 (63.3) – Giulia Quadrifoglio
Overall Length	4,643 (182.8) – Giulia and Giulia Ti

	4,639 (182.6) – Giulia Quadrifoglio
Overall Width (not including mirrors)	1,860 (73.2) – Giulia and Giulia Ti
	1,874 (73.8) – Giulia Quadrifoglio
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)	0.28 – Giulia and Giulia Ti
	0.31 – Giulia Quadrifoglio
Fuel Tank Capacity, litres (gal.)	58 (15.3)
Curb Weight, kg (lb.)	1,598 (3,522) – Giulia RWD
	1,643 (3,622) – Giulia AWD
	1,733 (3,820) – Giulia Quadrifoglio RWD

#### ACCOMMODATIONS

Seating Capacity, F/R	2/3
Headroom, F/R	980 (38.6)/955 (37.6)
Legroom, F/R	1,076 (42.4)/891 (35.1)
Shoulder Room, F/R	1,424 (56.1)/1,361 (53.6)
SAE Interior Volume, litres (cu. ft.)	2,701 (95.4)

