

# CANADA

## 2022 Alfa Romeo Giulia

### SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication.

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

All dimensions measured at curb weight with standard tires and wheels.

#### GENERAL INFORMATION

Vehicle Type	Mid-size sedan, RWD/AWD
Assembly Plant	Cassino Assembly Plant, Frosinone, Italy
EnerGuide Vehicle Class	Mid-size car

#### 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 and fenders
	Composite rear cross member
	Carbon fibre driveshaft
	Aluminum roof and hood (Sprint, Ti, Veloce)
	Carbon fibre roof and hood (Quadrifoglio exclusive)

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

Availability	Standard on Giulia Sprint, Giulia Ti, Giulia Veloce
Type and Description	Inline-four, 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, 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 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 centreline
	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 Nm) @ 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/100km (MPG – imp. gal.) (city/hwy/combined)	10.5/7.7/9.2 (27/37/31) (AWD)
Engine Assembly Plant	Termoli, Campobasso, 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 cm <sup>3</sup> (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 Fuel Economy L/100km (MPG – imp. gal.) (city/hwy/combined)	13.5/9.3/11.6 (21/30/24)
Based on 2022 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, Campobasso, Italy

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

Availability	Giulia Sprint, Giulia Ti and Giulia Veloce
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	AWD
Final Drive Ratio	3.15

#### TRANSMISSION: 8HP75 EIGHT-SPEED 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

#### STEERING

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

#### BRAKES

Standard brake system	Standard on Giulia Sprint, Giulia Ti and Giulia Veloce
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
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 Sprint, Giulia Ti and Giulia Veloce
	1,555 (61.2) – Giulia Quadrifoglio
Track, Rear	1,625 (64.0) – Giulia Sprint, Giulia Ti and Giulia Veloce
	1,607 (63.3) – Giulia Quadrifoglio
Overall Length	4,643 (182.8) – Giulia Sprint, Giulia Ti and Giulia Veloce
	4,639 (182.6) – Giulia Quadrifoglio
Overall Width (not including mirrors)	1,860 (73.2) – Giulia Sprint, Giulia Ti and Giulia Veloce
	1,874 (73.8) – Giulia Quadrifoglio
Overall Height	

	1,450 (57.1) – Giulia Sprint, Giulia Ti and Giulia Veloce (AWD)
	1,426 (56.1) – Giulia Quadrifoglio
Drag Coefficient (cd)	0.28 – Giulia Sprint, Giulia Ti and Giulia Veloce
	0.31 – Giulia Quadrifoglio
Fuel Tank Capacity, litre (U.S. gal.)	58 (15.3)
Curb Weight, kg (lbs.)	
	1,643 (3,622) – Giulia AWD
	1,733 (3,820) – Giulia Quadrifoglio RWD

#### 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 litres (cu. ft.)	2,701 (95.4)

