# 2023 Alfa Romeo Giulia

## SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication.  
All dimensions are in inches (millimeters) 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, Cassino, Italy

EPA 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 fiber driveshaft

Aluminum roof and hood (Sprint, Ti, Veloce)

Carbon fiber roof and hood (Quadrifoglio exclusive)

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

Availability Standard on Giulia Sprint, Giulia Ti, Giulia Veloce

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

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

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 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

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 cm3)

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 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/liter)

Torque (SAE net) 443 lb.-ft. (600 N•m) @ 2500-5500 rpm

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

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) 17/25/20

Engine Assembly Plant Termoli, 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 RWD/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: 8HP75 EIGHT-SPEED AUTOMATIC (CONTINUED)

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 Veloce

### 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 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 Single-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

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 111.0 (2,820)

Track, Front 61.3 (1,557) – Giulia Sprint, Giulia Ti and Giulia Veloce

61.2 (1,555) – Giulia Quadrifoglio

Track, Rear 64.0 (1,625) – Giulia Sprint, Giulia Ti and Giulia Veloce

63.3 (1,607) – Giulia Quadrifoglio

Overall Length 182.8 (4,643) – Giulia Sprint, Giulia Ti and Giulia Veloce

182.6 (4,639) – Giulia Quadrifoglio

Overall Width (not including mirrors) 73.2 (1,860) – Giulia Sprint, Giulia Ti and Giulia Veloce

73.8 (1,874) – Giulia Quadrifoglio

Overall Height 56.5 (1,436) – Giulia Sprint, Giulia Ti and Giulia Veloce (RWD)

57.1 (1,450) – Giulia Sprint, Giulia Ti and Giulia Veloce (AWD)

56.1 (1,426) – Giulia Quadrifoglio

Drag Coefficient (cd) 0.28 – Giulia Sprint, Giulia Ti and Giulia Veloce

0.31 – Giulia Quadrifoglio

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

Curb Weight, lbs. (kg) 3,522 (1,598) – Giulia RWD

3,622 (1,643) – Giulia AWD

3,820 (1,733) – 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 (cu. ft.) 95.4 cu. ft.

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