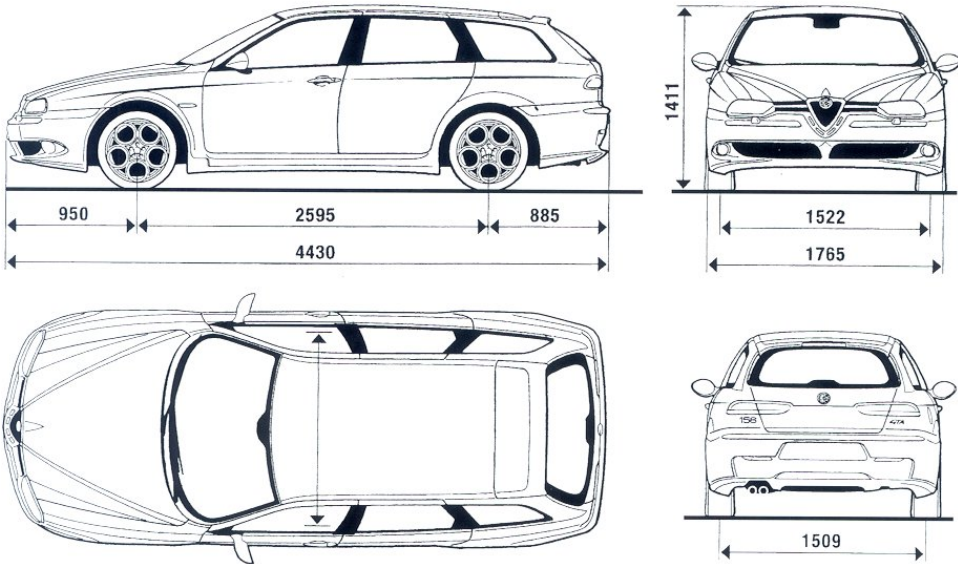




Alfa Sportwagon *GTA*

3.2 V6 24V

Technical Specification



Engine

Main features

No. of cylinders	6 in 60° V
Position	front transverse
Cycle, stroke	Otto, 4
Bore x stroke	93 x 78 mm
Capacity	3,179 cc
Compression ratio	10.5 : 1
Max. power output EC	184 kW (250 bhp)
at	6,200 rpm
Peak torque EC	300 Nm (30.6 kgm) 221 lb.ft
at	4,800 rpm
Fuel required	unleaded petrol 95 octane (RON)



Structure

Cylinder spacing	133 mm
Main bearings	4
Crankcase	light alloy
Cylinder head	light alloy

Timing

No. of valves per cylinder	4
Valve position	in 37° V
Timing gear	twin overhead camshafts per bank, with hydraulic tappets
Timing control	toothed belt
Inlet: - opens	8° BTDC
- closes	55° ABDC
Valve lift	0.25 mm
Exhaust: - opens	46° BBDC
- closes	9° ATDC
Valve lift	0.25 mm

Ignition

Type	static, electronic digital combined with injection with 2 knock sensors, 6 HT coils fitted in the head, 1 spark plug per cylinder
Firing order	1-4-2-5-3-6

Fuel system

Petrol pump	electric, in fuel tank (returnless)
Injection	Bosch Motronic ME 7.3.1 electronic MPI with selective knock control
Air filter	dry-type with cartridge

Emissions control

three-way catalytic converter + lambda probe

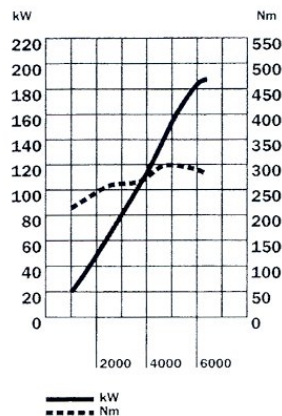
Lubrication

Type	forced with gear pump, air-oil heat exchanger
Oil filter	cartridge


Cooling

Type	fluid with forced circulation via centrifugal pump and sealed circuit; radiator and supplementary expansion tank
Control	by thermostat
Fan	electric, controlled by injection control unit

Engine power and torque curves (EC)



Transmission

Drive		to the front wheels
Clutch 	Type	dry, single plate, with 'pulled' action and hydraulic control
	Diameter of driven plate	235 mm
	Clutch lining dimensions (OD x ID)	235 x 155 mm
Transmission ratios	1 st	3.500 : 1
	2 nd	2.235 : 1
	3 rd	1.520 : 1
	4 th	1.156 : 1
	5 th	0.971 : 1
	6 th	0.818 : 1
	Reverse	3.545 : 1
Differential assembly	Position	front, in gearbox
	Final drive: - type	cylindrical
	- ratio	3.733 : 1 (56/15)

Chassis

Bodywork		stress-bearing structure
Braking system		front discs with fixed 4-piston callipers. Rear discs with floating callipers. Pedal control, with split-line diagonally linked hydraulic circuits, vacuum servo. ABS antilock system and ASR with integrated EBD
	Front discs (ventilated): - diameter	305 mm
	- total front lining area	(4 x 58.8) 235 sq cm
	Rear discs: - diameter	276 mm
	- total rear lining area	(4 x 24.7) 98.8 sq cm
	Parking brake	acting on rear wheels with manual control and mechanical transmission
Front suspension		independent, double wishbones with double trailing arm and anti-roll bar on ball joints
	Front wheel geometry unladen:	
	- kingpin angle	- 50'
	- caster	3° 39' 53"
	- toe-in	-2.02 ± 1 mm
	Shock absorbers	single tube hydraulic, dual rate, telescopic
Rear suspension		independent, MacPherson struts with transverse levers of different lengths anchored to an aluminium cross beam, reaction arms, offset coil springs, and anti-roll bar mounted on ball joints and linked to the shock absorber
	Rear wheel geometry unladen:	
	- kingpin angle	-1°19'
	- toe-in	3.15 ± 1 mm
	Shock absorbers	hydraulic, dual rate, telescopic
Wheels	Rims	7.5J x 17"
	Tyres	225/45 ZR 17
	- front	2.5 bar (2.8 bar at max. load)
	- rear	2.3 bar (2.6 bar at max. load)
Spare wheel	Rim	4B x 16"
	Tyre	125/80 R 16 97 M
	Inflation pressure	4.2 bar
	Max. speed permitted	50 mph
Steering	Type	rack and pinion with power steering
	Steering column	articulated with two universal joints and damper, adjustable for height and axially
	Turning circle	12.1 m
	Steering wheel turns (lock to lock)	1.75

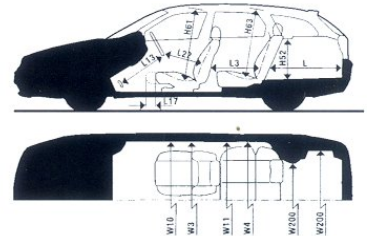
Electrical equipment

Voltage	12 V
Alternator	140 A
Starter motor	1.2 kW
Battery (capacity)	70 Ah



Internal dimensions

W3 Front waistline width	1,398 mm
W4 Rear waistline width	1,390 mm
W10 Front elbow-room	1,414 mm
W11 Rear elbow-room	1,458 mm
H61 Front head-room	962 mm
H63 Rear head-room	945 mm
L13 Centre brake – lower edge of steering wheel	605 mm
L17 Seat travel	220 mm



Luggage compartment measurements:

H252 Height	415 mm
W200 Max. width	1,330 mm
L213 Length	930 mm
V210 Volume	378 dm ³

Weights

Kerb weight (DIN) (*)	1,460 kg
Distribution: - front	910 kg
- rear	550 kg
Weight fully laden	1,955 kg
Distribution: - front	1,005 kg
- rear	950 kg
Maximum payload	500 kg
Maximum towable weight	1,400 kg
No. of seats	5

(*) Car ready for the road (full fuel tank, liquids, spare wheel and accessories)

Performance

Top speed	155 mph
Speed with engine at 1,000 rpm in 6 th	23.6 mph
Acceleration from standing start (1 adult + 30 kg) (secs)	
- 0-62 mph	6.3
- 0-1000 m	25.9
Official fuel consumption	
ECE	15.3 mpg
EUDC	32.1 mpg
ECE + EUDC	22.9 mpg
CO ₂ emissions	293 g/km

Capacities

Fuel tank capacity	63 litres (13.8 gallons)
including a reserve of:	7 litres
Engine sump, filter and radiator oil	6.4 litres
Radiator, engine, expansion tank and heating system fluid	9.2 litres
Gearbox and differential oil	2 litres (1.78 kg)
Front and rear hydraulic braking circuit and clutch fluid	0.525 litres (0.47 kg)
Screenwasher bottle	2.5 litres
with headlamp washers	5.3 litres
Power steering circuit and pump oil	1.3 litres (1.16 kg)