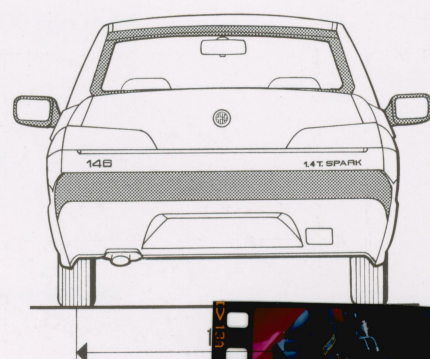
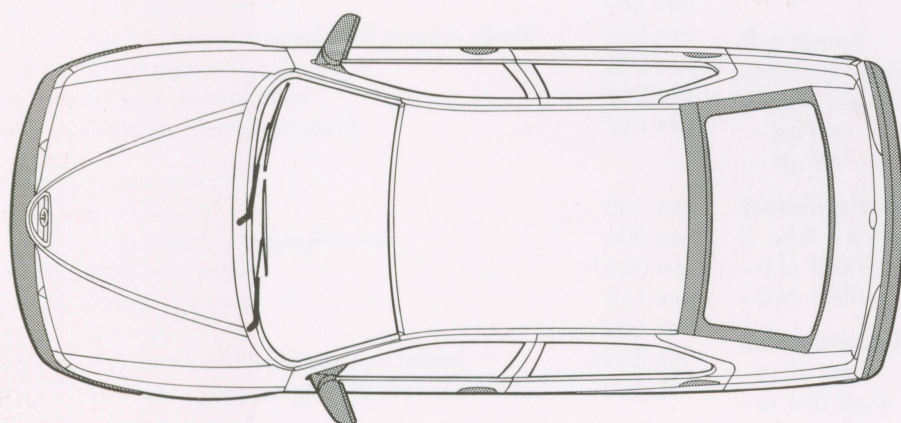
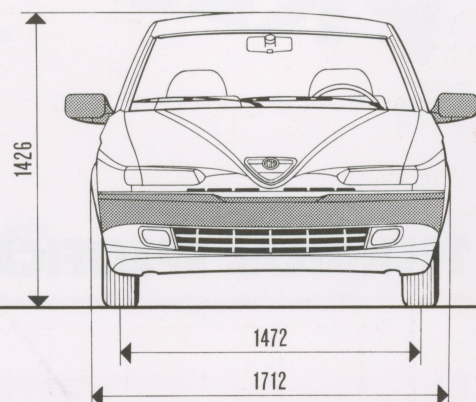
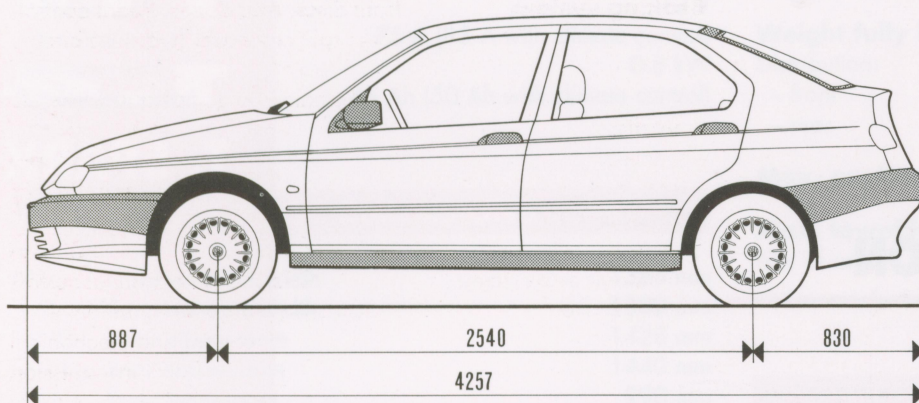


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T.4
T. SPARK



ENGINE

Main features

No. of cylinders	4 in line
Position	front transverse
Cycle-stroke	Otto - 4
Bore x stroke	82 x 64.87 mm
Capacity	1370 cc
Compression ratio	10.5:1
Max. power output EC	103 bhp (76 kW)
at rpm	6300 rpm
Peak torque EC	12.7 kgm (124 Nm)
at rpm	4600 rpm
Fuel required	unleaded petrol min.95 octane (RON)

Structure

Cylinder spacing	90 mm
Main bearings	5
Cylinder block	cast iron
Cylinder head	light alloy

Timing gear

Valves per cylinder	4
Valve position	in a Vee, overhead
Timing	DOHC, with electrohydraulic variable valve timing on the intake side camshaft governed by Motronic control unit

Timing control

Valve gear timing:
control tappet play
Cross-over intake:

– opens

– closes

Intake timing:

– opens

– closes

Exhaust:

– opens

– closes

Valve play control

Ignition

Type

Fire order

Fuel feed

Petrol pump

Injection

Air filter

Emission control

Lubrication

Type

Oil filter

17° BTDC

15° ABDC

8° ATDC

40° ABDC

26° BBDC

1° ATDC

automatic, with hydraulic tappets

static, digital electronic control
with single coils, 2 plugs per cylinder
1-3-4-2

electric, immersed
MPI Bosch Motronic M2.10.4,
phased sequential
dry-type with cartridge

three-way catalytic converter
and heated lambda probe

forced with geared pump
cartridge

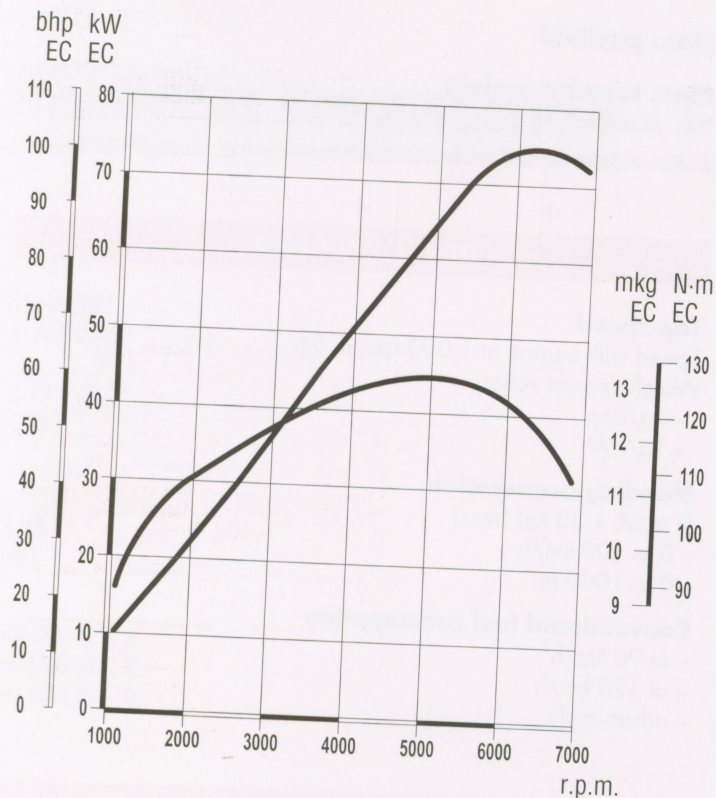
Cooling

Type

liquid, forced circulation with centrifugal pump and sealed circuit; radiator and supplementary expansion tank by thermostat electric

Control Fan

Characteristic engine curves (ECE)



75.2 hk/l (specific ydelse)

TRANSMISSION

Drive

to the front wheels

Clutch

Type

dry, single plate, with contact bearing and hydraulic control

215 mm

215 x 155 mm

Transmission ratios

1st	3.909:1
2nd	2.238:1
3rd	1.520:1
4th	1.156:1
5th	0.919:1
Reverse	3.909:1

Differential assembly

Position in gearbox

Final drive:

- type cylindrical
- ratio 3.866:1 (15/58)

CHASSIS

Body

stress-bearing structure

Braking system

front discs, rear drums. Pedal control, split cross-over hydraulic circuit, vacuum brake servo and load proportioning valve on rear wheels

Front discs:

- diameter 257 mm
- total front brake lining 143.2 cm² (without asbestos)

Rear drums:

- diameter 203 mm
- total front brake lining 255.2 cm² (without asbestos)

Parking brake acting on rear wheels, with manual control and mechanical transmission

Front suspension

independent MacPherson system with transverse lower wishbones anchored to an auxiliary cross beam, telescopic struts, offset coil springs and anti-roll bar 0.50 mm/kg

Flexibility at the wheel

Wheel wobble:

- upper 60 mm
- lower 105 mm

Front wheel geometry unladen:

- camber 1°21'
- caster 3°40'
- toe-in 0 ± 2 mm

Dampers hydraulic, telescopic, dual action

Rear suspension

independent wheel, with longitudinal trailing arms anchored to an auxiliary cross member, coil springs, dampers separated from springs and anti-roll bar 0.40 mm/kg

Flexibility at the wheel

Wheel wobble:

- upper 80 mm
- lower 105 mm

Rear wheel geometry unladen:

- camber -1°
- toe-in 0.5 ± 2 mm

Wheels

Rims

Tyres

Inflation pressure:

- front 5.5 J x 14"
- rear 185/60 HR 14

2.0 bars (2.2 bars fully laden)
2.0 bars (2.2 bars fully laden)

Spare wheel

Rim

Tyre

Inflation pressure

Max. speed

4 J x 15"
115/70 R 15
4.2 bar
80 km/h

Steering

Type	rack and pinion with power steering
Steering	column collapsible, height adjustable
Turning circle	10.5 m
Steering wheel turns (lock to lock)	3

Electrical equipment

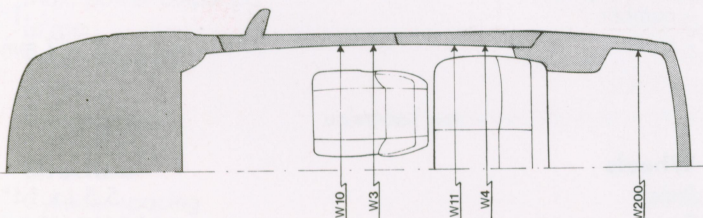
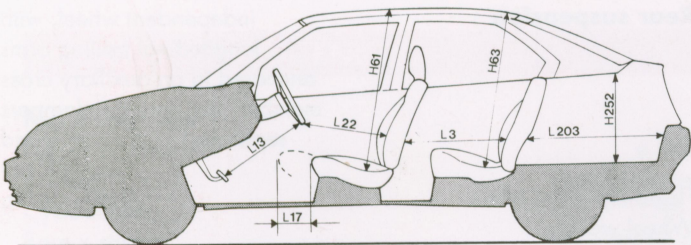
Voltage	12 V
Alternator	75 A (85 A with climate control)
Starter motor	0.8 kW
Battery (capacity)	45 Ah (50 Ah with climate control)

INTERIOR DIMENSIONS

W3	Front waistline width	1384 mm
W4	Rear waistline width	1380 mm
W10	Front elbow-room	1428 mm
W11	Rear elbow-room	1440 mm
H61	Front head-room	990 mm
H63	Rear head-room	947 mm
L13	Centre brake-lower edge of steering wheel	612 mm
L17	Seat travel	200 mm
L3	Rear accommodation	650 mm
L22	Steering wheel-front squab	523 mm

Boot measurements:

H 201	Roof height	801 mm
H252	Boot height to luggage cover	500 mm
W200	Max boot width	1420 mm
L203	Length	831 mm
-	Volume	380 dm ³
-	Volume to roof with rear seat folded	1225 dm ³
-	Volume to waist height with rear seat folded	800 dm ³



WEIGHTS

Kerb weight (DIN) (*)	1160 kg
Distribution:	
- front	725 kg
- rear	435 kg

Weight fully laden	1680 kg
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Distribution:	
- front	840 kg
- rear	840 kg

Max. payload	520 kg
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Max. towable weight	1100 kg
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No. of seats	5
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(*) Car ready for the road (full fuel tank, liquids, spare wheel and accessories)

PERFORMANCE

Top speed	187 km/h
Speed with engine at 1,000 rpm in 5th	29.2 km/h
Weight/power ratio:	
- kg/bhp	11.2
- kg/kW	15.2

Standing acceleration	
(1 adult + 30 kg) (secs)	
- 0 to 100 km/h	11.5
- 0 to 1000 m	33

Conventional fuel consumption	
- at 90 km/h	5.8 l/100 km
- at 120 km/h	7.7 l/100 km
- urban cycle	9.3 l/100 km

SUPPLIES

Fuel tank	51 litres
including a reserve of	5 litres
Engine sump and filter oil	4.4 litres (3.92 kg)
Radiator, engine, expansion tank	
and heating system fluid	8.4 litres
Gearbox and differential oil	2 litres (1.8 kg)
Front and rear hydraulic braking circuits	
and clutch fluid	0.5 litres (0.42 kg)
Screen and rear window washer bottle	6 litres
Power steering circuit oil	1.2 litres (1.02 kg)