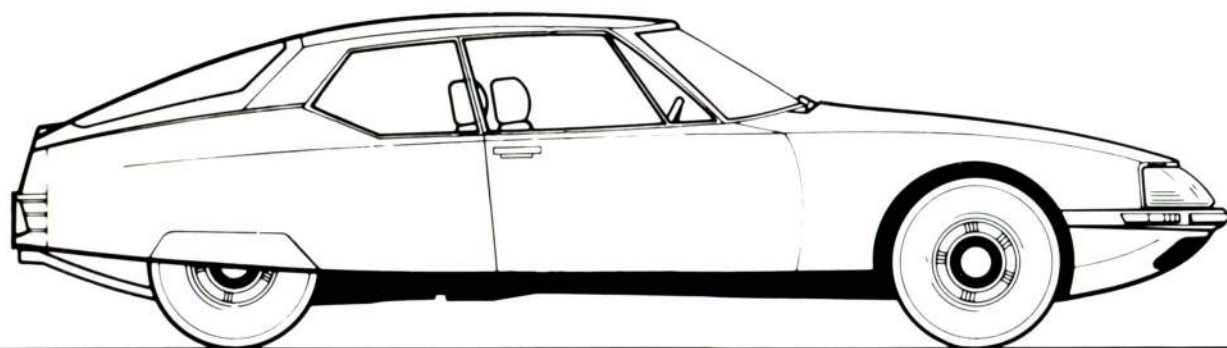


# Citroën SM



# A miracle of Citroën Engineering & Maserati Performance



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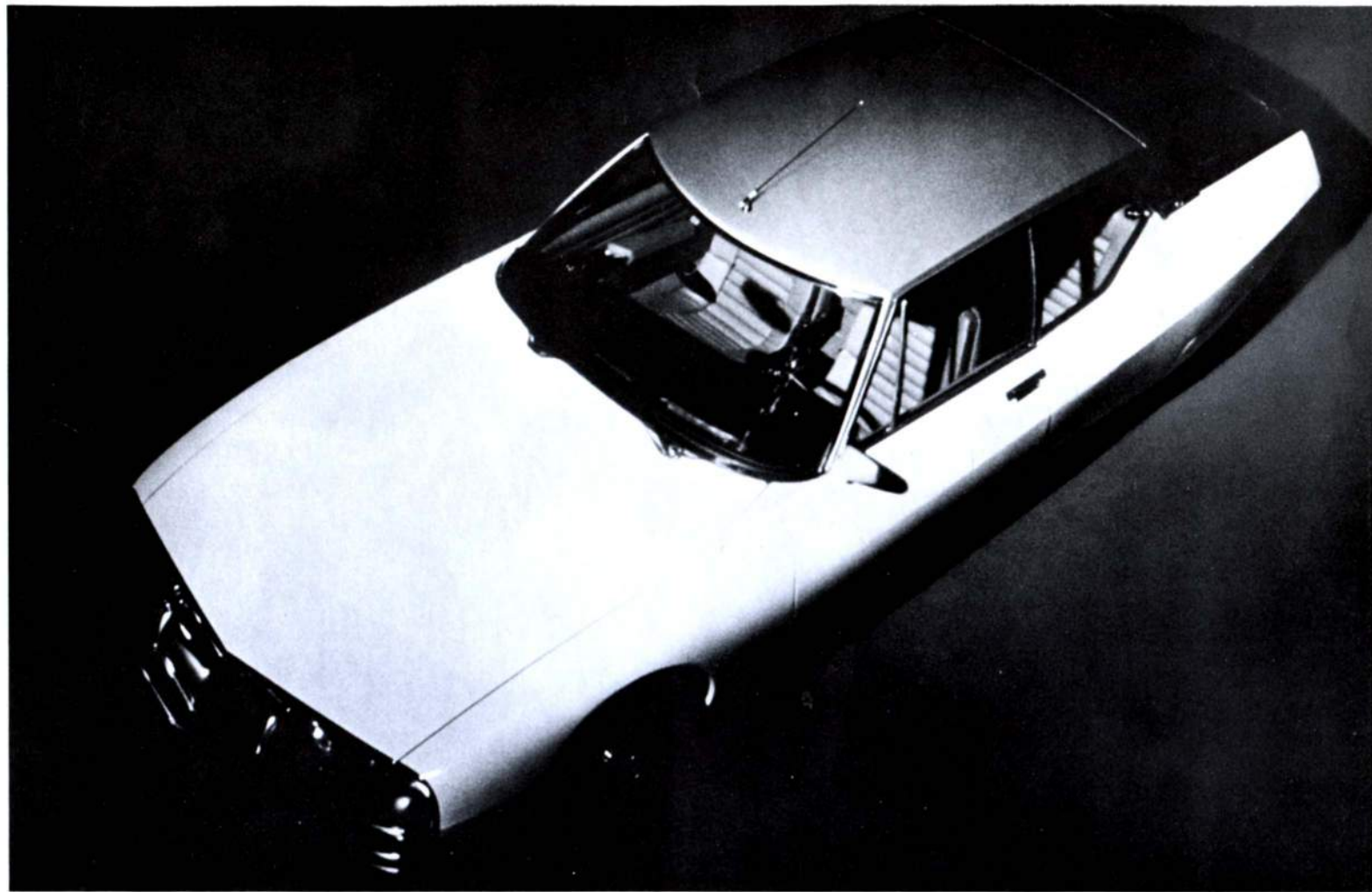


In 1955, Citroën startled the automobile world by introducing the revolutionary DS-19, featuring unconventional design with the world's first hydropneumatic suspension system.

Today, Citroën introduces the SM and proves once again that Citroën engineering can even surpass itself.

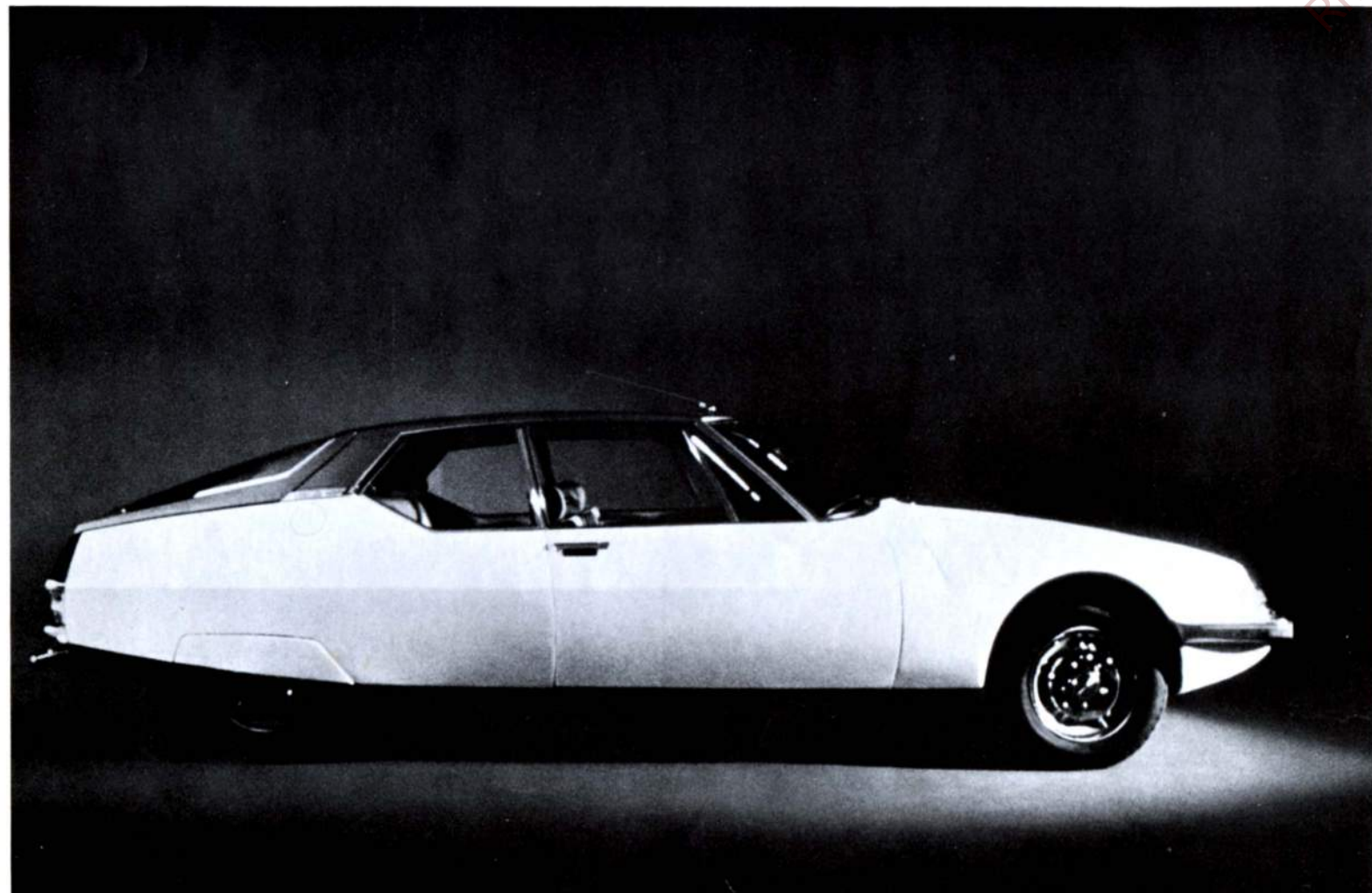
Beginning with the highly advanced engineering techniques already proven on the DS, Citroën sought and arrived at an even higher degree of perfection for the SM.

Incorporating a high performance Maserati 2670 cc V6 engine that yields 180 horsepower and a top speed of 140 mph., Citroën then



The SM's hydraulic steering system is revolutionary, varying both the ratio and power assistance with car speed and wheel position. At high speeds it maintains the car on the desired trajectory with perfect accuracy.

The aerodynamic design of the SM was developed in the wind tunnel and "sculptured" by rushing air. Its steel and glass lines are free from sharp angles and flat surfaces, thus minimizing wind resistance.



added a revolutionary power steering system that maintains a constant ratio between assistance and speed. Use and need govern this system; when stopped, assistance is total, to the point that the wheels return automatically to the straight position when you release the steering wheel. At high speeds, firmness keeps the SM on its chosen path providing a roadholding and security that even surpasses the DS. The interior features an adjustable steering wheel, adjustable seats, re-settable trip meter, tachometer and a new master alert system to warn of any failures.

In the SM, Citroën has fulfilled an automobile dream that such a car could become a reality. Destined to be the GT car of the '70's, the SM will prove to be unparalleled in luxury, performance and safety.



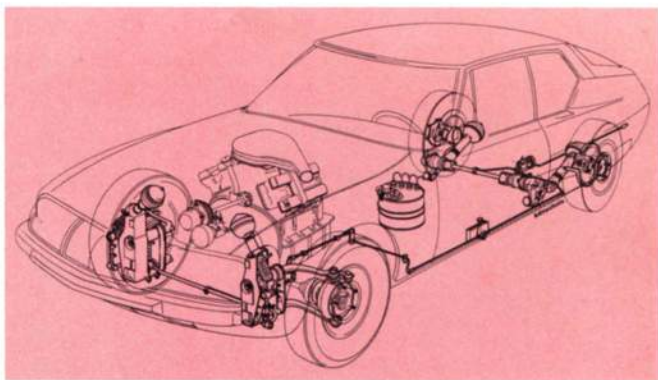
The curved glass door windows are electrically operated and the rear side windows pivot. Because the windows are convex they give complete visibility at the sides and the large rear window is fitted with electrical de-icing.

Citroën's front wheel drive combined with a painstaking study of ground adherence, hydropneumatic suspension with automatic height correction, low centre of gravity, in addition to the streamlined body's own merits, make the SM an outstanding roadholder at any speed.

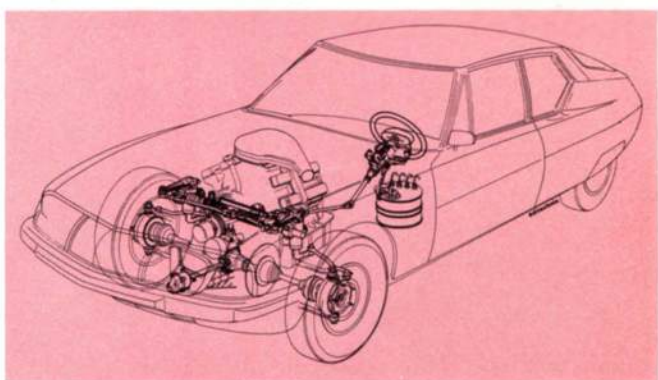




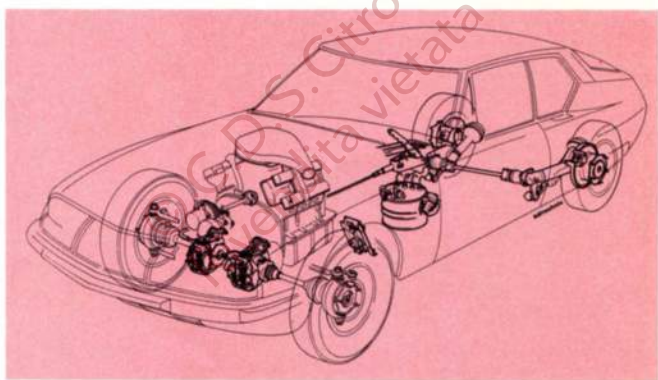
# Citroen Engineering



**Air-Oil Suspension System** — The SM's suspension system is one in which a set of gas-liquid spheres are the springing units. Levelling correctors at front and rear maintain a constant height of the car whatever the load may be.



**Steering** — The SM's unique power steering system provides the fullest assistance when required, and also gives ultimate control and roadholding rigidity at high speeds.



**Brakes** — The power-assisted disc brakes, (a Citroen first on mass produced cars) equip the four independent wheels. A proportional braking effort, combined with the independent dual-circuit, help to prevent any possible braking failure.

**Citroen Comfort** — The luxurious interior is trimmed with fabric or natural leather; the floors are fully carpeted. The seats are contour moulded and can be adjusted to height, depth and body conformation. The padded oval steering wheel is adjustable in height and lateral tilt. The dashboard and central console have all the instrumentation and controls a driver may desire in a Gran Turismo, yet designed with the refinements of a luxurious sedan.



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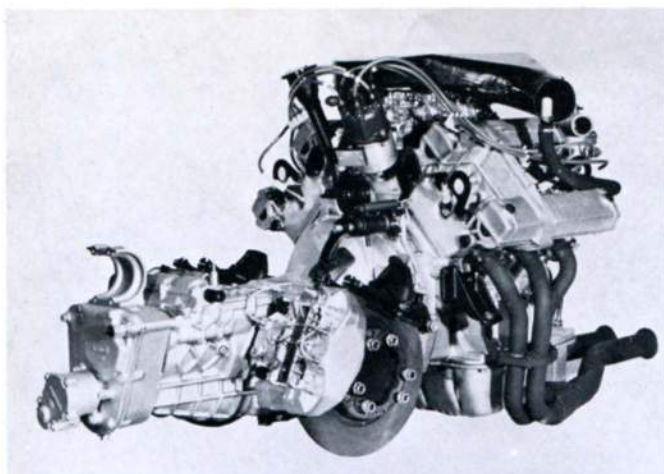
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# Maserati Performance

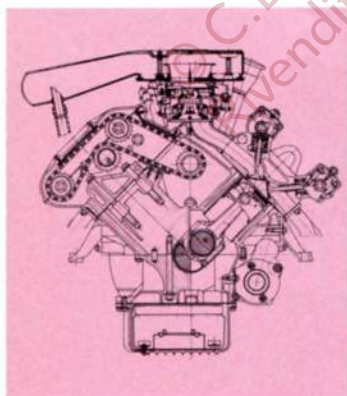


Maserati V6 Engine and Citroën 5 Speed Transmission.

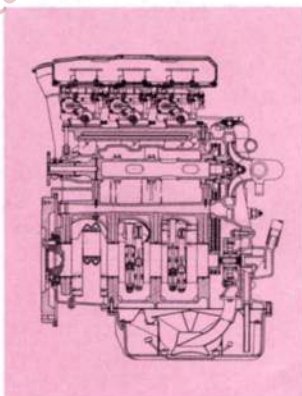
**Engine:** Maserati type C 114-1, 90° V-6. Swept volume: 2,670 cc (bore 87 mm = 3.425", stroke 75 mm = 2.953"). Compression ratio: 9:1. Effective power developed: 180 HP SAE at 6,250 r.p.m. 170 HP DIN at 5,500 r.p.m. Engine torque: 172 lb.ft. SAE at 4,000 r.p.m., 170 lb.ft. DIN at 4,000 r.p.m. OHV. 4 overhead chain-driven camshafts. Light alloy cylinder heads and cylinder blocks. Removable wet liners. 4-bearing crankshaft. Light alloy oil radiator. Oil filter. 3 double-barrel Weber carburetors. Bendix electric fuel pump. Spark plugs: Bosch W 200 T 30. Battery: 12 V. 70 Amp. hr. Alternator: 780 W. Water cooling system capacity: 2.86 gals.

**Transmission:** Citroën 5 speed. Front wheel drive. Diaphragm clutch with pedal-operated master cylinder. 5-speed, entirely synchromesh gear-box. Mechanical lever control at floorboard level. Mitre-gear ratio: 4.375: 1 (8 x 35). Homokinetic transmission with tripod couplings at the output side of the gear-box and Spicer couplings on the wheel side.

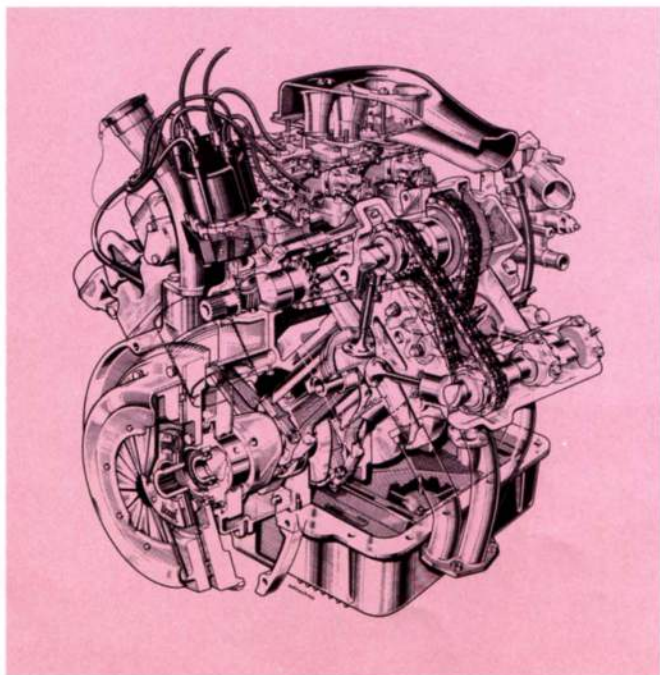
**Performance:** Maximum speed: 140 m.p.h. approximately. Acceleration with driver only: Dead start, standing 1/4 mile in 16.2 seconds. 0-60.14 m.p.h. in 8.9 seconds. Fuel consumption: over 20 m.p.g.



Front View.

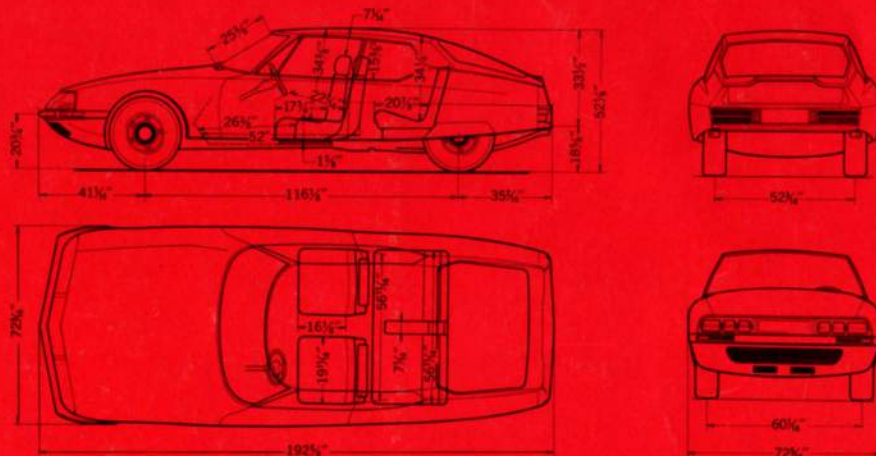


Side View.



Cut-away View.





**CITROEN "SM" TECHNICAL SPECIFICATIONS:** **Gran Turismo Coupe:** 4-passenger, V6 Maserati Engine 2670 cc displacement, 4 overhead camshafts, Hydropneumatic Suspension, Independent 4-wheel suspension. **Weight:** 3198 lbs. Maximum authorized load: 3970 lbs. **Engine (Basic Specifications)** 6 cylinder "V"6 Maserati Aluminum Engine at 90°. Bore: 3.325. Stroke: 2.953. Displacement: 2670cc [162.87 cu. in.] Compression Ratio: 9 to 1. Fuel: Premium. Horsepower: DIN 170 @ 5500 rpm, SAE 180 @ 6250 rpm. Torque: DIN 170 ft. lbs. @ 4000 rpm. **Engine (Construction)** Designation: Maserati Type C114-1. Valves in head. 2 x 2 camshafts in head, chain driven, cylinder heads and cylinder blocks of aluminum. 3 carburetors—double barrel-Weber 42 DC NF with air intake resonators. Battery: 12 V 70 AH Alternator: 780 Watts. Water cooled radiator. **Hydraulic Equipment:** Hydraulic suspension, braking and steering (High pressure pump (7 pistons) driven by shaft with flexible vanes coupled to the intermediate shaft of the motor). **Drive Train:** Front Wheel Drive. Diaphragm clutch. 5 speed floor shift. All speeds synchronized. Final drive: 4375/1 (8 x 35). Gear reduction ratios: 1st...0.342, 2nd...0.515, 3rd...0.756, 4th...1.031, 5th...1.321, Reverse...0.317. **Chassis-Suspension-Brakes:** Self-supporting body. 4 independent wheels held by articulating arms to the chassis. The arms are connected to a stabilizing bar at the front and at the rear by levers and tie-rods. The levers bear against the piston of a hydro-pneumatic suspension cylinder. Levelling correctors at the front and rear maintain a constant height of the car whatever the load may be. This height can be adjusted by a lever at the left hand of the driver, permitting voluntary increase of the road clearance and the changing of a wheel without lifting the car by hand jacking. Braking—A dual braking circuit automatically adapts to the total load and the distribution of the load. Braking power assured by the high pressure hydraulic system and energy reserve. 4 wheel disc brakes. Tires: 195/70 VR 15X. **Steering:** Rack and pinion steering with hydraulic assistance and variable demultiplication. Steering circle overall: 39'9". Steering ratio: 1/9.4. **Dimensions:** Wheelbase: 116", Length: 192". Width: 6'3". Height: 4'4" normal drive position. Track: Front 60.1", Rear 52.3". **Equipment:** Dashboard. 2 directional ventilators with adjustable output. Speedometer graduated to 170 mph with odometer and braking distances. Electronic tachometer graduated to 8000 rpm Electric clock. Warning panel comprising: Master Alert System—"Stop" signal. Oil pressure indicator. Brake pressure signal. Signal for wear of the front brake pads. Signal for indicating the hand brake is applied. Charging signal. Signal for "town" lights. Headlight signal. Signal for directional lights. Signal for low fuel level. Hazard warning signal. Button for checking the security signals. Signal for the thermal rear windshield. Combination anti-theft lock. 2 speed electrical windshield wipers and washers. Power windows. Adjustable steering wheel—for height and tilt. **Body And Equipment:** Electric rear-window defroster. 2 front bucket seats adjustable for length, front height and rear height. Back rest adjustable for inclination. 2 head-rests, adjustable for inclination and height. Rear bench seat for two in the shape of buckets, center arm rests, side arm rests and ash trays. **Performance:** Maximum speed: 140 mph approximately. Acceleration with driver only: Dead start; standing ¼ mile in 16.2 seconds. Fuel consumption over 20 mpg. **Colors:** Available in luxurious finishes; Swan white (with optional silver roof), Brazilia Red (with optional Black roof), and in metallic Grey, Sand, Blue, Green, Gold. **Optionals:** Leather interior. Air conditioner. Radio. Fog lights. Tinted glass. Automatic Transmission.

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Citroen reserves the right to change and/or modify equipment and/or specifications without notice and without responsibility to previous models, on any model at any time.

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