

# Saab 99 EMS, 1973





# A different kind of Saab for a different kind of Saab owner.

The Saab 99 EMS is the sportiest, most luxurious Saab sedan ever built.

It comes equipped with an electronically fuel-injected, overhead cam, 2-liter engine, with a four speed all-synchromatic gearbox, for the kind of performance a sports sedan should have.

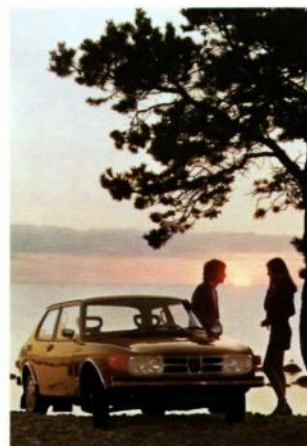
It also comes equipped with steel belted radial tires, mag-type wheels, a tachometer and clock, a special grille, black racing stripes, and color-coordinated racing mirrors. Pretty fancy stuff when you're talking about a car that has a reputation for being practical.

But along with all these things that make the EMS the sportiest Saab in the 99 series, are all the things that make

a Saab one of the most sensible cars in the world. Things like a compact exterior about the length of a Volkswagen Squareback, yet with almost as much head and legroom as a Lincoln Continental. Things like a trunk with 21,3 cubic feet of luggage space (more than just about any other car in our class). And things like roll-cage construction with six steel supports for the roof and heavy steel beams in the doors for strength and safety.

Our EMS also has things like front-wheel drive, rack and pinion steering, and power-assisted four wheel disc brakes.

So, as you can see, our EMS is just as practical as any Saab we've ever built. But we built the EMS for the man who wants a practical car with a little more extravagance.





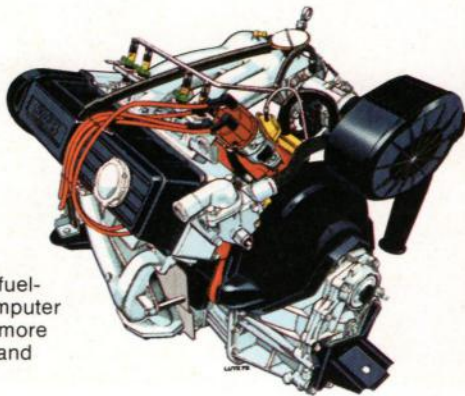


# Sometimes it's more sports car than sedan. Sometimes just the opposite.

Although the EMS is sporty, it still has all the comfortable advantages of a Saab.

It still has fully reclining seats which are completely adjustable, a twenty-one duct ventilation system that changes the air every 30 seconds (factory-installed air conditioning is optional), and a new improved front suspension that you'll find in all Saab 99's for 1973. It has an electrically heated driver's seat, heating controls for rear seat passengers, and when you're not carrying passengers in the back, the back seat folds down, so it's part station wagon, too.

So in spite of its mag-type wheels, racing stripes and sporty looks, the EMS has all of the practicality, durability, safety and comfort that we build into every Saab 99.



Our new 2-liter overhead cam fuel-injected engine, and a small computer mounted in the EMS, give you more economy, better performance and cleaner air.



The safety and control of steel belted radial tires, and the sporty good looks of mag-type wheels.



Full instrumentation in the EMS includes a tachometer and clock. All instruments have black borders to eliminate annoying reflections.



The controls of the EMS were designed so that everything is within easy reach. The steering also has been made easier, the instruments are all large and easy to read, and the windows are designed not just to give you a better look at the scenery, but to give you a better look at the other cars around you.

# What the Saab 99 EMS sports sedan looks like. In black and white.

## ENGINE

4-cylinder, overhead camshaft engine with five main bearings. Water-cooling. The cylinders are inclined 45° to the right. Transverse flow, light alloy cylinder head. Cast-iron cylinder block. Pressure lubrication. Full-flow oil filter. Closed crankcase ventilation. Transverse flow radiator with separate expansion tank. Electrically driven cooling fan, intermittently in operation. Electrical fuel pump. The engine is assembled with the clutch, gearbox and differential to form a complete and compact power unit. The clutch is mounted at the front end of the engine and connected to the gearbox through a primary gear. The gearbox is located below the engine.

## TRANSMISSION

Single dry plate clutch. Clutch operation via hydraulic system. Primary gear ratio, 1:1 (gears). Overall gear ratios  
1st, 13.37:1  
2nd, 8.06:1  
3rd, 5.41:1  
4th, 3.89:1  
reverse, 14.70:1  
Final drive ratio, 3.89:1  
Top gear speed at 1,000 engine r.p.m., 18.7 m.p.h.  
Front-wheel drive.

Piston displacement, 121.1 cu.in. (1985 cm<sup>3</sup>)  
Bore, 3.54 in. (90 mm)  
Stroke, 3.07 in. (78 mm)  
Compression ratio, 8.7:1  
Net horsepower, SAE, 110 at 5,500 r.p.m.  
Torque, 123 lb. ft. at 3,700 r.p.m.  
Bosch Jetronic fuel injection system.  
Fuel octane requirement, 94  
Fuel tank capacity, 11.9 gals.  
Battery, 12 V. 60 Ah.  
Alternator, 55 A.  
Starting motor, 1 hp.  
Lubrication oil quantity, 7.4 pints.  
Cooling system capacity, 10 quarts.

## BRAKES

Diagonally divided two-circuit foot-brake system. Vacuum power assist. Self-adjusting disc brakes front and rear. Approx. 80% of the total braking power on the front wheels. Total friction area is 358 sq. in. The handbrake acts mechanically on the front wheels through separate drums.

## SUSPENSION, STEERING, WHEELS

Coil springs and double-acting, telescopic shock absorbers front and rear. The front springs are pivot-mounted to the upper transverse wishbones. Light and rigid, tubular rear axle guided by two forward- and two rearward-directed arms and a transverse rod. Rack-and-pinion steering gear. 3.7 turns of steering wheel between locks. The turning circle diameter is 34.1 ft. Wide rim aluminum wheels, 5J FHA x 15 in. 165 SR-15 in. radial ply steel-belted tires.

## DIMENSIONS AND WEIGHTS

Overall length, 173.2 in. Overall width, 66.5 in. Height, unladen, 56.7 in. Wheelbase, 97.4 in. Track, front 55.1 in. Track, rear, 55.5 in. Ground clearance at curb weight, 6.9 in. Effective headroom, front, 38.4 in. Effective headroom, rear, 37.7 in. Hip room, front, 51.9 in. Hip room, rear, 51.4 in. Shoulder room, front, 53.5 in. Shoulder room, rear, 55.2 in. Elbow room, rear, 60.6 in. Luggage trunk capacity, SAE, 12.3 cu. ft. Total trunk volume, 21.3 cu. ft. Max. loading deck length with folded rear seat, 67.5 in.

Curb weight, 2490 lb. (Factory installed air conditioning not included.)

Vehicle capacity weight –  
a) car without air conditioning, 900 lb.,  
b) car equipped with factory installed air conditioning, 850 lb.

Gross vehicle weight rating, 3440 lb.

■ The manufacturer reserves the right to make changes at any time and without notice.

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