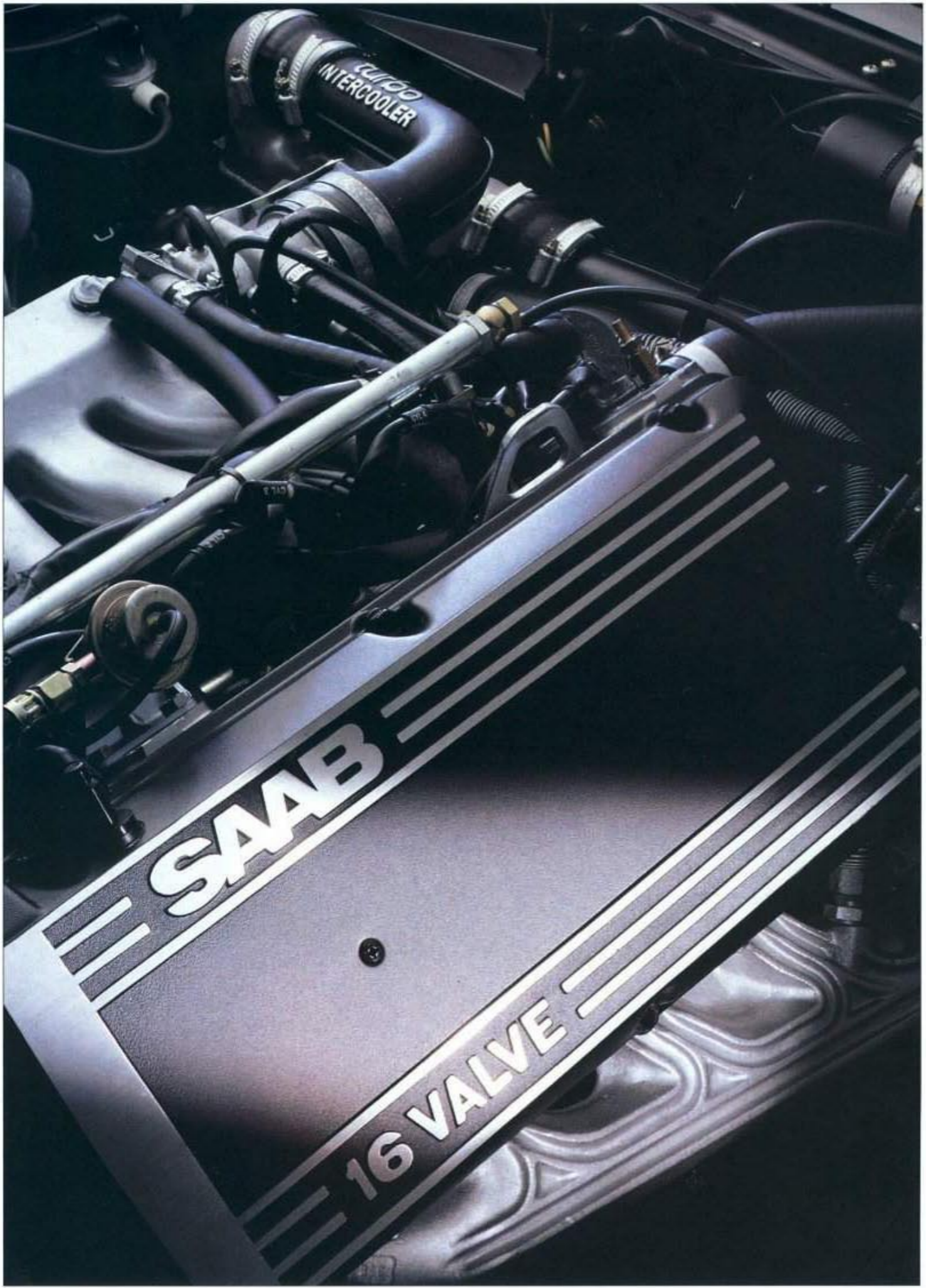


**SAAB**

**900**

**Saab 900 Turbo 16 S**





The power package that makes the heart beat faster.

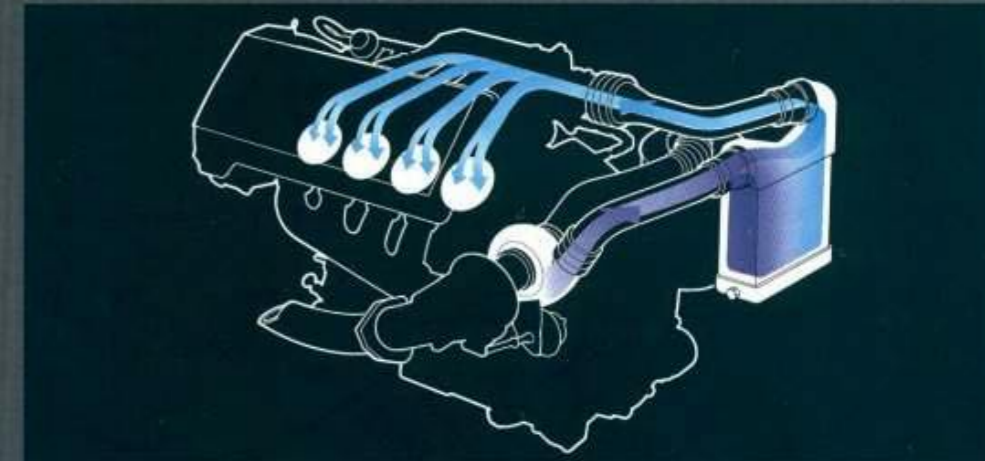
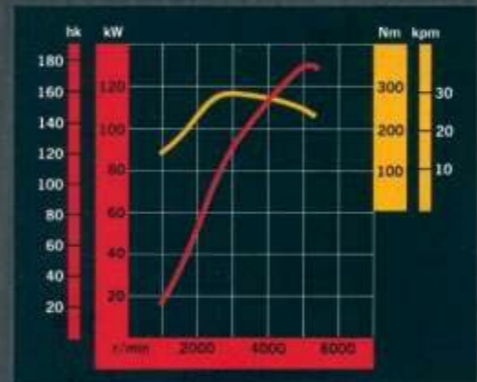
The 175 hp (129 kW) DIN developed by this engine gives a top speed of 210 km/h, but even more important is the exceptional acceleration and pulling power it can achieve in high gears.

The third generation Saab turbo engine is basically designed with double overhead camshafts and four valves per cylinder. This allows the combustion chamber to have the most efficient design known today. The four valve arrangement allows the spark plug to be located in the centre of the combustion chamber, thereby achieving a short, uniform flame path during combustion.

If the engine has four valves per cylinder and the spark plug is centrally located, the compression ratio can be increased without any risk of pre-ignition and harmful knocking. A high compression ratio increases engine efficiency, improves fuel utilisation and increases engine output whilst at the same time reducing fuel consumption. This is where Saab's APC system also comes into play. The engine load is continuously monitored by a knocking sensor and an electronic control unit, so not only can you drive on different octane ratings but at the same time you're actually improving your fuel economy.

Periodic adjustment of the valve clearance is not longer necessary now that the Saab 16-valve engine is fitted with self-adjusting hydraulic cam followers. Since the valve clearance is always accurate, there is less strain on the engine. Consequently it runs more smoothly and quietly.

Because the engine develops such a high torque even at low speeds, the result is exceptional overtaking performance and pulling power.



The intercooler cools the air before it's fed into the engine. As the air is cooled, its density increases. This in turn makes it possible to supply the engine with more air which allows more fuel to be injected and thereby increasing the engine output.

The combustion chamber is dome-shaped with a flat piston crown and a centrally located spark plug. The two pairs of valves have a large total flow area that allows the engine to "breathe" more efficiently. Four valves per cylinder instead of two also means less stress on each valve.



The Bosch LH-Jetronic fuel injection system ensures that the fuel/air mixture is always correct regardless of variations in climate or altitude.





The driving compartment comes with a number of well thought-out details that make driving easier and more enjoyable. These include the tachometer and turbo gauge. In cars with Colorado red leather or Bokhara red velour upholstery, the fascia panel also comes in matching red. (Radio shown is not standard equipment.)



Cruise control makes for relaxed and economical driving along those long country roads. On the centre console you will find the switches for some of the electrically operated equipment, such as door windows and electric sun roof. The centre console also provides space for a mobile telephone or other equipment, as well as being a useful storage compartment. Air conditioning is optional extra.



## A DRIVING ENVIRONMENT THAT ENCOURAGES ACTIVE DRIVING.

*In the Saab 900 Turbo 16S you'll find all the essentials that are necessary for efficient and relaxed motoring. And everything is in the right place. That's because we believe functional consideration should govern the design and location of all the controls.*

*Why not test drive a Turbo 16S? Take a close look at all the meticulous work that has gone into its design, and the wealth of carefully thought-out equipment which you might will have to order as optional extras in other cars.*

On entering and leaving the car you only need to lock the driver's door—central locking comes as standard equipment.

The courtesy lights are delayed to give you plenty of time for starting the car. The interior light will go off after about 15 seconds, or as soon as you switch on the ignition.

The wide-angle rear-view mirror on the driver's side and the mirror on the passenger's side are both operated electrically from the driver's seat by switches on the fascia.

Electrically operated door windows are an obvious standard feature on a car as exclusive as the Turbo 16S.

When driving the car, the tachometer with its economy marking, is a useful instrument enabling you to use the engine capacity correctly. It also helps achieve good driving economy by enabling you to change gear at the right engine speed.

When driving for long stretches along open roads you merely set the speed of your choice on the cruise control—located to the left of the steering wheel—which ensures that the car automatically maintains an even speed. This allows you to drive both comfortably and economically.



*The Saab 900 Turbo 16S is very well equipped. Have a word with your Saab dealer, he can tell you more about the equipment available on your market.*

The centre console provides space for a mobile telephone or other equipment, as well as being a useful storage compartment. Switches for electrically operated equipment, such as door windows and sun roof, are also located on the centre console.

The heating and ventilation system has logical, pre-programmed settings for maximum efficiency. The controls for all similar functions such as the electrically heated rear window, have been grouped together in front of the driver.

The three-spoke steering wheel enhances the sportiness of the car, and the thick rim gives an even stronger sense of direct control through the rack- and pinion steering.

In cars with either Bokhara red velour or Colorado red leather upholstery, the fascia panel also comes in matching dark red.

When you take your seat in a Saab 900 Turbo 16S, your immediate impression is one of luxury and comfort throughout. The fabrics used are of the highest quality, and you get the feeling that a great deal of meticulous work has gone into both the styling and detail of the interior trim.





All Saabs originate from the same principle of well thought-out design and construction. The main difference between the various Saab 900 models lies in their differing levels of performance which enables us to provide a wider range of basic equipment. But no matter which model you decide on, it will quickly become clear that the whole car has been carefully designed and crafted to ensure that your driving is both safe and enjoyable in every possible kind of driving situation. Why don't you test drive a Saab and see what we really mean by the joy of driving?

## SAAB 900 TURBO 16S HAS NO WINGS—IT JUST FEELS AS IF IT HAS!

Take a Saab 900 Turbo 16S for a test drive and feel its lightning reactions to your commands. Press the accelerator right down to the floorboard and let the turbo power force you back in your seat. Then turn off on to a narrow winding lane where you can see just what we mean by roadholding, and where you will discover an entirely new concept in driving.

In a car that's capable of speed of over 200 km/h, everything must work perfectly. The Turbo 16S has been meticulously designed throughout to form one harmonious unit. It's a car that's uncompromising, yet flexible. A car that gives you an immediate feeling of control—both over the car and the traffic conditions.

**Third generation turbo engine.** The Turbo 16S is equipped with the third generation Saab turbo engine with 16 valves, APC system, LH-Jetronic fuel injection and intercooler. The power and smoothness of the engine enables you to dominate traffic situations at practically any speed, and allows you to continue driving at very high speeds for long stretches at a time. The engine has been thoroughly tested and it is developed from the

proven Saab H-engine. Yet despite its advanced design, it doesn't require frequent servicing. If anything, it requires less servicing than most conventional engines.

**The thinking engine.** The APC system senses the fuel octane rating and adjusts the engine accordingly, thus ensuring that the engine makes the best use of the fuel. This is one of the reasons why the engine draws so little fuel relative to its high power. Another advantage of the APC system is that the engine gives excellent low speed and overtaking performance.











**IT WILL NEVER BE AN EVERYDAY CAR.**

The Saab 900 Turbo 16S comes with practically all the equipment you could possibly need. What's more, few cars with such high performance can at the same time claim such a low fuel consumption. Yet despite all this, the Turbo 16S will never be a common sight on the roads, simply because they're only produced in limited numbers. It's essentially a car for drivers who want something out of the ordinary.

■ All Saab cars are supplied with varying equipment in order to meet the requirements of different markets. Some photographs in this brochure may show cars in a colour or with equipment which is not provided as standard in all markets. Even the model range may vary. Your Saab dealer will be pleased to advise you of what is applicable on your market.  
■ Saab cars are available tax-free to those who qualify for this concession. Further information is available from the local Saab importer and dealers. ■ All information given in this brochure is based on specifications applicable at the time of printing. At Saab we are constantly making improvements and refinements. Therefore we reserve the right to alter specifications without prior notice.







## DO YOU WISH TO KNOW MORE ?

This is a **model folder** for the 1985 Saab 900 Turbo 16S.

To find the model that suits you best in our broad 900 range, you should also read the other model folders. In addition, the **Technical specifications folder** provides detailed technical particulars of every model.

A **general brochure** has also been produced for the Saab 900. This includes technical explanations and detailed studies of the entire 900 range. It also includes the principles followed by our engineers in their work on designing the 900.

Saab-Scania AB  
Saab Car Division  
Nyköping, Sweden

---

219667 Artmen / ST tryck / Printed in Sweden 1984. © Copyright, Saab-Scania AB, 1984. **Int-eng.**

