

**VOLVO** *164*





**H**ere's a car bristling with confidence. The Volvo 164 is full of character, it doesn't need gimmicks to impress.

*It's got everything in abundance – style, comfort, luxury and power. The Volvo 164 impresses you from the very first.*

*The Volvo 164 is a car for those who are looking for something different, something better. Volvo's largest, fastest, most lavishly equipped car. The 3-litre, 6-cylinder engine is power-packed, ultra-responsive, quiet running and available in two versions. A 145 h.p. SAE carburettor engine or our top-of-line 160 h.p. SAE electronically-controlled engine as featured in the Volvo 164 E.*

*The new Volvo 164 is instantly recognizable with its characteristic and imposing front and rear design. But most of the changes are on the inside. Round, clock-type instrumentation is featured in the all-new dashboard and surrounds. The heating and ventilation system has also been redesigned and a new steering wheel has been introduced as well as halogen powered headlights.*













## *New, lavish but primarily safe.*

The steering wheel and controls. The perfect driving posture. The design and styling of every single part of a Volvo 164 is based on safety.



New round instrumentation.

Volvo invests in safety and has always been a leader in this field.

The '73 models have an entirely new dashboard layout for the driver's comfort and overall convenience and safety. The steering wheel is new, has a slightly smaller diameter, a well-padded centre hub which, incidentally, has a built-in crumple-zone to absorb collision impact, and it gives a better grip. The

windscreen wipers and washers are now operated by a lever mounted on the steering column.

The clock-type instrumentation is ideally laid out and read at a glance. The centre console



An automatic transmission is optional to our four-speed manual.

now carries practically all the switches and controls so they lie within easy reach. The console also houses the radio and the controls for the new push-button operated heating and fresh air system.



## *Improving the Volvo 164 called for something special.*

The something special involves a totally new and highly efficient heating and ventilation system with increased capacity. The distribution of cosy heat or cooling air has been changed and is now fed through 10 different outlets. These are the wind-screen defroster nozzles, the four adjustable nozzles on the dashboard, the two outlets for the front floor area and two for the rear. The system also features a recirculation setting

which allows you to shut off the feed of outside air for quicker warming-up or when you're behind a fuming diesel. A special fresh air intake is also mounted on the left-hand side below the dashboard.

Stale air is exhausted through the extractor vents below the rear window which is electrically heated to keep it free from frost and mist. You control this very efficient heating system by means of



Your Volvo 164 can also be fitted with a sunroof.

push-buttons located on the centre console. A new air conditioning system, offering the ultimate in comfort, is available as an optional extra.



Completely new heating and ventilation system with 10 outlets.







## *The whispering world of the Volvo 164 is both spacious and comfortable.*

The Volvo 164 is a wonderful car to own. A car for mile after mile of quiet, relaxing journeys. For all its spaciousness inside the Volvo 164 is extremely manoeuvrable. It is a fact that it will give you confidence when approaching city congestion and a decisive edge when scouting for a parking space. The turning circle diameter is a diminutive 10.3 metres (34. ft.) while the power-assisted steering system makes it light and easy to drive. The very high torque of the engine combines with the excellent transmission to glide you through the tightest of city snarl-ups in a whispering world of your own. You can specify your new Volvo 164 with fully-automatic transmission

with part-throttle change-down, centre console-mounted gear selector and an illuminated P-R-N-D-2-1 quadrant pattern. Positions 2 and 1 enable you to lock the transmission for better acceleration or engine braking.

The selector lever has a push-button top to prevent incorrect use.

All-round visibility is exceptional through 26.6 square feet of tinted safety glass. The wide-opening doors, which gape to an angle of almost 80°, have a half-way hold for use in tight corners or when alighting on busy roads.

Choose your new Volvo from a wide range of colour and upholstery combinations.



Spacious luggage compartment with lighting. Capacity: 675 dm<sup>3</sup>/23.8 cu. ft. or 395 dm<sup>3</sup>/13.9 cu.ft. according to the SAE method.

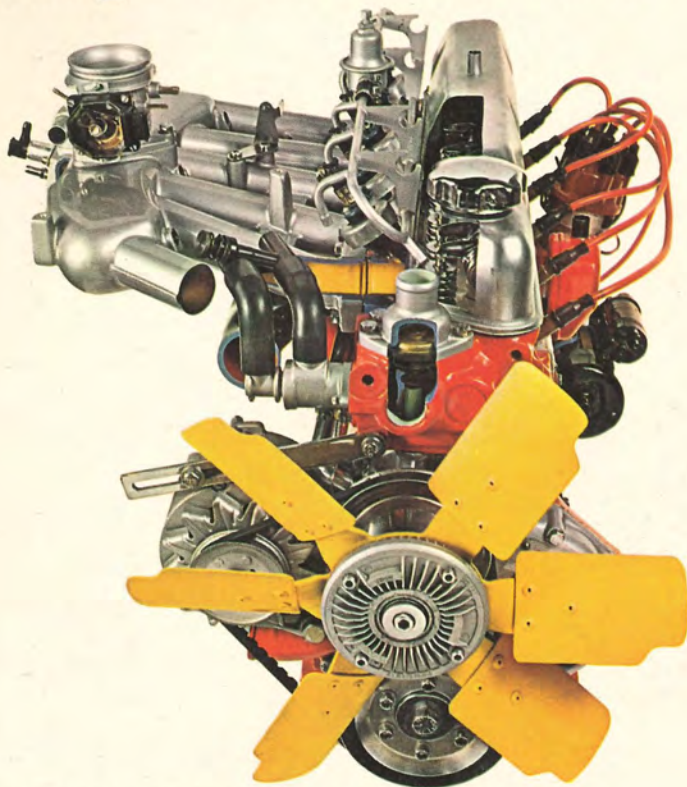








## *The power behind the Volvo 164.*

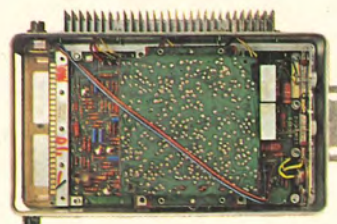


This is the power package of the Volvo 164 E

Volvo engines are known to be amongst the most reliable ever built. The Volvo 164 is offered with a choice of two six-cylinder, 3-litre engines. The B 30 A which breathes through twin carburettors and gives 145 SAE horsepower. Smooth, fast and unobtrusive. Its more powerful counterpart is the B 30 F. This engine gives no less than 160 SAE horsepower. What these two

engines have in common is the reliability which only Volvo can give them. What they differ in is that the B 30 F features electronically-controlled fuel injection for exciting motoring at its Volvo best in the 164 E.

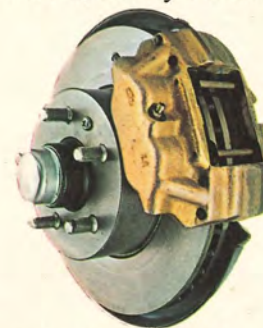
The secret lies in a solid-state computer which takes five readings: Air temperature, throttle positions and rpm's. It figures out how



The solid-state computer of the E-engine.

much fuel the engine needs for peak efficiency. And feeds it accordingly. The result? Quicker pick-up, faster acceleration and better combustion with cleaner exhaust gases.

A power-assisted disc brake system is featured all round with specially ventilated front



Ventilated front wheel discs.

wheel discs. Each circuit of the triangle-split system includes a relief valve which prevents premature locking of the rear wheels in emergency situations.











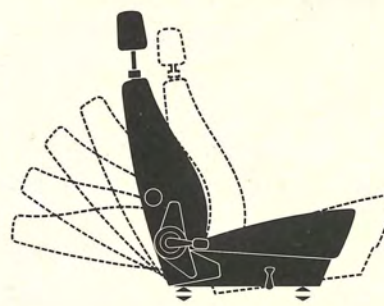


## *Volvo believes that comfort adds to your safety.*

And safety is the main theme of Volvo comfort. Take seating for instance, Volvo offers you the perfect driving position, which contributes not only to your comfort but also to safer driving. The ideally designed seats offer a very wide range of adjustments. The height of the driver's seat is easily adjustable by means of a lever. Both front seats feature an adjustable lumbar control and they can also be moved fore and aft through two ranges (one for particularly long-legged drivers) as well as being fully reclining and complete with adjustable

head restraints. Back seat passengers are also well catered for with fully contoured seating and a folding centre armrest. Both front and rear, there's room enough to relax, unwind and reach your destination fresh and alert. Many other features add to your comfort – soft, wall-to-wall carpeting, net holdalls on the rear of the front seats, and large pockets on the front doors which are ideal for magazines, documents and road maps.

The safety belts are of three-point type. They are also very comfortable and convenient. Being automatic, they adjust themselves to length and reel out of the way when you step out of the car. The rear seats are provided with anchorages for safety belts. The centre console carries a warning lamp that reminds the driver and front seat passenger to "fasten seat belts". Children in the car? Relax, the rear doors have child-proof locks.



The front seat backrests are infinitely variable down to a fully reclining position.



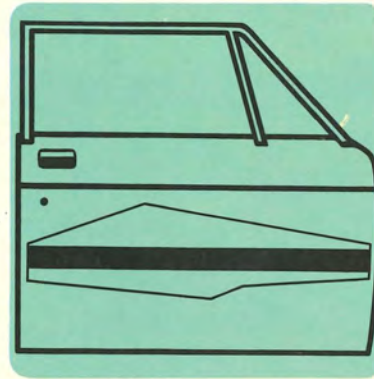
## ***Built-in safety.***



The Volvo safety body.

Despite the very large windows and door openings the Volvo safety body is exceptionally strong because of its rigid framework of steel profiles. The front and rear sections are crumple zones... which collapse in a collision and absorb impact energy.

This year the doors have been strengthened to counteract side intrusion.



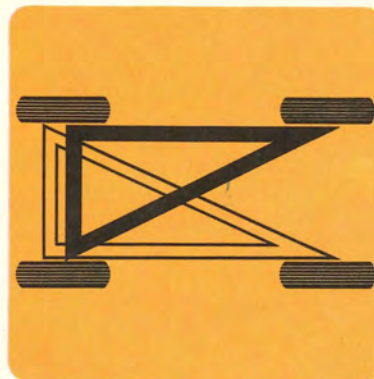
Extra-strengthened doors.



New steering wheel with built-in crumple zone and aligning feature.

Another new design feature is the hub of the steering wheel which is designed to crumple and align with the driver's body in the event of a frontal collision.

A famous Volvo feature is the triangle-split, dual circuit and power assisted brake system. Each circuit feeds both of the front wheels and one each of the rear wheels. This means that if one circuit should fail completely you only lose the brakes on one wheel, retaining about 80% of full braking efficiency. Reassuring isn't it? And we even give you warning lamps which also indicate when the handbrake is applied.



Power-assisted, triangle-split dual circuit brake system.



## Specifications.

Engine	B30A	B30F
Max. output h.p. at r.p.m.		
DIN	130/5000	145/5500
Max. output h.p. at r.p.m. SAE	145/5500	160/5800
Max. torque kpm at r.p.m. DIN	21.0/2500	22.0/2500
Max. torque kpm at r.p.m. SAE	22.5/3000	23.0/2500
Compression ratio	9.3:1	8.7:1

The engine is a six-cylinder unit with water cooling and a seven-bearing crankshaft. Thermostatically-controlled pre-heating of induction air. The B 30 A is a twin carburettor engine while the B 30 F features electronically-controlled fuel injection.

### Cooling system

Fully sealed and frost-protected. Capacity approx. 12.4 litres/10.9 Imp. quarts. The B 30 E engine has also an oil cooler.

### Electrical system

Alternator rating 55 Amp. Battery capacity: 12 volt/60 Ah.

### Transmission

Single, dry disc clutch of diaphragm spring type. Four-speed, all-synchronesh gearbox. An automatic transmission is also available.

### Steering gear

Recirculating ball and nut with safety column of telescopic type. Power assisted.

### Suspension

Front: Independent with rubber-mounted control arms and stabilizer. Rear: Live, carried by longitudinal rubber-mounted control arms, transverse location by rubber-mounted track rod. Coil springs with telescopic shock absorbers all round.

### Wheels and tyres

Balanced pressed steel J-15" wheels with 5½" rims. The 164 has 175 SR 15 tyres and the 164 E has 175 HR 15 tyres.

## Volvo Genuine Accessories.

*For those who wish to adapt their Volvo to their own individual requirements, there is a whole range of genuine accessories. These Volvo accessories, apart from being exclusive and practical, add that extra touch of comfort, luxury and individuality.*

### Volvo 8 Stereo



A combined radio and 8-track cassette tape player. Gives you immediate choice of pre-recorded or radio music. The radio unit is available in various forms and features pre-selected push-button control.

### The Volvo car radio



Specially designed for Volvo, a car radio with five push buttons which can be pre-set for easy selection of the desired station. Available with VHF, medium and long-wave bands. Output 6 watts.

### Volvo's new child safety seat



Protects children up to 6 years of age. Tested in Volvo's crash simulator with a dummy weighing 22 kg (48 lbs) at 50 km/hour (30 miles/hour). The seat is fitted to the dashboard facing the front passenger seat. Installation takes only a couple of minutes and no tools are necessary.

### Brake system

Power-assisted, dual circuit. Each circuit operates on both front wheels and one each of the rear wheels. Specially ventilated front wheel discs. Warning light for faulty circuit and handbrake operation. Relief valves prevent premature rear wheel lock-up. Handbrake operates on rear wheels through special drums.

### Fuel tank

Capacity 58 litres/12.8 Imp. galls. Located at rear.

### Instrumentation

Padded dashboard. Rheostat-controlled instrument lighting. Six-figure mileometer with trip-meter. Fuel gauge. Coolant temperature gauge. The Volvo 164 E also has a rev counter. Warning lamps for: charging, oil, pressure, choke (not 164 E), main beam and parking brake/faulty brake circuit. Audible and visible warning for direction indicators. Glovebox light. Combined steering and ignition lock.

The centre console carries the

### Keep cool, alert and fresh with Volvo air conditioning

The Volvo air conditioning unit allows you to determine the interior climate of your car.



With Volvo air conditioning you can keep the windows wound up tight shutting out dust, pollen (which is important if you are allergic) and the exhaust gases of the not so fortunate motorists in front of you.

heating and ventilation controls and switches for the electrically heated rear window and the hazard warning lights. "Fasten seat belts" reminder. Cigarette lighter. Ashtray. Room for radio.

### Other standard equipment

Combined lever for direction indicators, main and dipped beam with headlight flasher. Combined lever for two speed electric windscreen wipers and washers. Two fog lights of halogen type. H4 halogen headlights. Boot and engine

compartment lights. Automatic reversing lights. Three-point inertia belts on front seats and anchorages for rear seat belts. Tinted glazing. Laminated windscreen of high-impact type. Padded sun visors with make-up mirror on passenger side. Day/night interior rearview mirror of safety type. Ashtrays beside each rear seat. Net holdalls on rear of front seat backrests. Adjustable head restraints on front seats. Leather upholstered seat and backrest facing. Tow hooks front and rear.

### Exterior dimensions

Overall length	472 cm/185.7 in.
Overall width	171 cm/ 67.1 in.
Overall height	144 cm/ 56.5 in.
Wheelbase	272 cm/107.0 in.
Track, front and rear	135 cm/ 53.1 in.
Turning circle diameter:	
Between kerbs	10.3 m/34 ft.
Between walls	11.0 m/36 ft.

### Interior dimensions

Headroom, front	95 cm/37.4 in.
Headroom, rear	89 cm/35.0 in.
Seat width, front and rear:	
shoulder height	139 cm/54.7 in.
hip height	143 cm/56.3 in.
Front seat depth	49 cm/19.3 in.
Front seat width	57 cm/22.4 in.
Boot	675 dm <sup>3</sup> /23.8 cu. ft.
Measured with SAE suitcases	395 dm <sup>3</sup> /13.9 cu. ft.

### Kerb weights

Volvo 164 with carburettor engine	1405 - 1410 kg/ 3095 - 3105 lbs.
Volvo 164 E	1415 - 1420 kg/ 3115 - 3130 lbs.

Gross weight	1850 kg/4075 lbs.
Max. permissible trailer weight	1200 kg/2645 lbs.

*The factory reserves the right to make changes at any time, without notice, in prices, colours, materials, equipment, specifications and models and also to discontinue models.*



# VOLVO

AB VOLVO GÖTEBORG SWEDEN

VOLVO **164**

