**Volvo 144/145 de Luxe**

The features that characterize these cars are representative of the entire Volvo car programme. They are safe and strongly-built cars which are very economical to own, give lasting value and are an excellent investment. Their styling relies more on clean lines and well balanced features, rather than flashy trimmings. And they’re a pleasure to drive. The interior of these de Luxe models is very pleasing and features full carpeting and new upholstery on the famous Volvo seats. Other new features are the short, sporty gear stick, the warning lamp for the choke, the new steering wheel and the recessed outer door handles. The front doors now have storage pockets. A new engine option this year on the Volvo 145 de Luxe is an electronically-controlled fuel injection unit which gives 125 b.h.p. SAE.

<table>
<thead>
<tr>
<th>Paintwork</th>
<th>Upholstery, vinyl</th>
<th>Textile floor mats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Royal Blue</td>
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<tr>
<td>Sapphire Blue</td>
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<tr>
<td>California White</td>
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<td>Red</td>
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<tr>
<td>Red</td>
<td>Black</td>
<td>Red</td>
</tr>
<tr>
<td>Sun Yellow</td>
<td>Black</td>
<td>Dark Brown</td>
</tr>
<tr>
<td>Cypress Green</td>
<td>Black</td>
<td>Dark Brown</td>
</tr>
<tr>
<td>Ocean Green</td>
<td>Green(1)</td>
<td>Green(1)</td>
</tr>
</tbody>
</table>

(1) Volvo 145 de Luxe has black upholstery and dark brown carpets.
Purpose-designed and built for the driver. New four-spoke steering wheel, new controls, and in the middle below the dashboard is a new instrument console which carries the controls which you don’t use very often, and a clock. Another new prominent feature on the 140-series is the short and sporty remote-control gear stick.

The Volvo 145 de Luxe combines the best of an estate car with the comfort features of a saloon. With enormous carrying space. With the rear seat folded it's slightly more than 188 cm/74” long. From roof to floor there is more than 83 cm/32” of space and maximum width is almost 142 cm! 52½”. And under the floor is an extra storage well.
Volvo 144 Grand Luxe

The Grand Luxe, most elegant car of the 140-series. With a sports-bred engine-135 h.p. SAE. Electronically-controlled fuel injection. Leather upholstered seats give the elegance worthy of such a car. Full carpeting is also featured. Other new features this year are the short remote-control gear stick, new head restraints, new steering wheel and the fully recessed outer door handles. And below the dashboard in the centre is the new instrument console. This is a car for the most discerning of modern motorists, a safe car with a brilliant performance.

<table>
<thead>
<tr>
<th>Paintwork</th>
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<tbody>
<tr>
<td>Gold Metallic Black</td>
<td>Brown</td>
<td></td>
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<tr>
<td>Light-blue Metallic Black</td>
<td>Blue</td>
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</tbody>
</table>
Comfort at its very best. Deep and wide bucket seats. Provide perfect support for your whole body.

Leather upholstery. A car with elegance and room -even for your rear seat passengers. Full carpeting. Adjustable head restraints.
Volvo 164/164 E

The superb comfort of this car and the very quietly running engine offer you safe and quiet transportation. The Volvo 164 is now available in two versions. The B 30 A which has an output of 145 b.h.p. or our new even faster B 30 E engine which features electronically-controlled fuel injection and has an output of 175 b.h.p. SAE. And looking on the bright side of things we also give you a sliding steel sunroof this year. Other new features are the choke warning lamp, the central instrument console which houses the electric clock and the switch for the hazard warning lights, electrically heated rear window and foglights. Also new this year are the recessed outer door handles—for safety’s sake, and the new four-spoke steering wheel which allows full visual access to the instruments. Radial tyres and two extra Halogen foglights complete the picture.

Volvo 164

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<tr>
<td>California White</td>
<td>Blue</td>
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<tr>
<td>Wine Red</td>
<td>Wine Red</td>
<td>Wine Red</td>
</tr>
<tr>
<td>Cypress Green</td>
<td>Golden Brown</td>
<td>Brown</td>
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</table>

Volvo 164 E

<table>
<thead>
<tr>
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<th>Textile floor mats</th>
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</thead>
<tbody>
<tr>
<td>Gold Metallic</td>
<td>Golden Brown</td>
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<td>Black</td>
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</tbody>
</table>
The very best of Volvo comfort. Leather upholstery. Elegant and spacious, both front and rear. The front seats have a very wide range of adjustment. Fully fitted floor carpeting. New this year are narrower head restraints for better rearward vision. They are height adjustable.
**Volvo 1800 ES**

The Volvo with a new slant to it. The Volvo 1800 ES—a well-bred car with a well-bred interior. And a luggage compartment of extraordinary size for this type of car.

Elegant and comfortable with full carpeting and new leather-upholstered seats.

A long-distance non-stop sports car with the quality, comfort and safety which has made Volvo products world-renowned.

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<td>Cypress Green</td>
<td>Golden Brown</td>
<td>Brown</td>
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<tr>
<td>Sun Yellow</td>
<td>Black</td>
<td>Brown</td>
</tr>
<tr>
<td>Light-blue Metallic</td>
<td>Black</td>
<td>Blue</td>
</tr>
<tr>
<td>Gold Metallic</td>
<td>Golden Brown</td>
<td>Brown</td>
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</tbody>
</table>
The Volvo 1800 ES has a luggage compartment which is something extraordinary for this type of car. The entire luggage area is fully carpeted and below the floor is found the spare wheel and tools.

The most comfortable and functionally elegant sports car ever. With leather-upholstered seats of new design where the head restraints are built-in. New door panels with storage pockets. Also new this year are the automatic inertia seat belts with illuminated lock and a warning sign "Fasten seat belt".
### Specifications

<table>
<thead>
<tr>
<th></th>
<th>B 20 A</th>
<th>B 20 B</th>
<th>B 20 F</th>
<th>B 20 E</th>
<th>B 30 A</th>
<th>B 30 E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. output b.h.p. at r.p.m. SAE</td>
<td>90/4800</td>
<td>118/5800</td>
<td>125/6000</td>
<td>135/6000</td>
<td>145/5500</td>
<td>175/5800</td>
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<tr>
<td>Max. output b.h.p. at r.p.m. DIN</td>
<td>82/4700</td>
<td>100/5500</td>
<td>115/6000</td>
<td>124/6000</td>
<td>130/5000</td>
<td>160/5500</td>
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<tr>
<td>Max. torque kpm at r.p.m. SAE</td>
<td>16.5/3000</td>
<td>17/3500</td>
<td>17/3500</td>
<td>18/3500</td>
<td>22.5/3000</td>
<td>24.5/2500</td>
</tr>
<tr>
<td>Max. torque kpm at r.p.m. DIN</td>
<td>16/2300</td>
<td>15.5/3500</td>
<td>16/3500</td>
<td>17/3500</td>
<td>21/2500</td>
<td>23.5/2500</td>
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<tr>
<td>Displacement, litres</td>
<td>1.99</td>
<td>1.99</td>
<td>1.99</td>
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<td>2.98</td>
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<tr>
<td>Bore, mm</td>
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<td>88.9</td>
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<tr>
<td>Stroke, mm</td>
<td>80.0</td>
<td>80.0</td>
<td>80.0</td>
<td>80.0</td>
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<tr>
<td>Compression ratio</td>
<td>8.7:1</td>
<td>9.3:1</td>
<td>8.7:1</td>
<td>10.5:1</td>
<td>9.3:1</td>
<td>10.0:1</td>
</tr>
</tbody>
</table>

**Volvo 144/145 de Luxe**  
B 20 A: 90 b.h.p. SAE/82 b.h.p. DIN, four-speed manual or fully automatic gearboxes.  
B 20 B: 118 b.h.p. SAE/100 b.h.p. DIN, four-speed manual gearbox.  
Four-cylinder overhead valve engine with five-bearing crankshaft.  
Thermostatically-controlled induction air pre-heating.  
Positive crankcase ventilation.  
Exhaust emission control.

**Volvo 164 E**  
B 30 E: 175 b.h.p. SAE/160 b.h.p. DIN, four-speed gearbox with or without overdrive, or optionally fully automatic gearbox.  
Six-cylinder, electronically-controlled fuel injection engine with seven-bearing crankshaft.  

**Volvo 1800 ES**  
Four-cylinder, electronically-controlled fuel injection engine with five-bearing crankshaft.  
Exhaust emission control.

**Cooling system**  
Fully sealed and frost protected. Water cooling with pump and thermostat.  
Capacity: Volvo 164/164 E 13 litres/2.9 Imp. galls. 140-series 10 litres/2.2 Imp. galls. Volvo 1800 ES 8.5 litres/1.9 Imp. galls.  
Viscous type cooling fan on Volvo 144 Grand Luxe, Volvo 164/164 E and Volvo 1800 ES.

**Electrical system**  
12 volt system. Battery capacity 60 Ah.  
Alternator rating 35 A — 490 W  
Alternator rating Volvo 164 and all models with fuel injection: 55 A — 770 W.  
Starter motor output 1 b.h.p.

**Gearboxes**  
Four-speed fully-synchronized manual with remote-control.  
Ratios:  
140-series and Volvo 164/164 E 1800 ES  
1st 3.13:1 1st 3.54:1  
2nd 1.99:1 2nd 2.12:1  
3rd 1.36:1 3rd 1.34:1  
4th 1.00:1 4th 1.00:1  
Reverse 3.25:1 Reverse 3.54:1

**Overdrive**  
Electrically controlled.  
Available on Volvo 164/164 E and standard on Volvo 1800 ES.  
Ratio: 0.797:1.

**Automatic gearbox**  
Fully-automatic gearbox with part-throttle change-down and kick-down features. Each engine version has a special automatic transmission adapted to its characteristics. Remote-control selector.

**Clutch**  
Single, dry disc clutch of diaphragm spring type. Mechanically controlled.
Rear axle
Rear axle of hypoid type. 
Volvo 144 de Luxe and Volvo 144 Grand Luxe with four-speed manual and automatic: 4.10:1. 
Volvo 145 de Luxe with B 20 F engine, 4.10:1. 
Volvo 164/164 E four-speed manual: 3.31:1; with overdrive: 3.73:1; automatic: 3.31:1.

Steering gear
Volvo 164/164 E recirculating ball and nut type with power assistance. 
Other models: cam and roller. 
Turning circle diameter

Between kerbs
140-series 9.25 m/30’4”
164/164 E 10.0 m/32’10”
1800 ES 9.6 m/31’6”

Brake system
Foot brake. Triangle-split dual circuit brake system. Each circuit operates on both front wheels and one each of the rear wheels. Self-adjusting disc brakes all round. Power assisted. 
A relief valve in each rear brake line prevents the rear wheels from locking-up prematurely in the case of emergency brake application.

Handbrake. Mechanically operating on special rear wheel drums. Handbrake lever located between driving seat and front door. Warning lamp on dashboard for handbrake operation and faulty brake circuit.

Wheels and tyres
Volvo 144 de Luxe: pressed-steel wheels with 5” rims and hub caps. Radial ply tyres 165 SR 15. 
Volvo 145 de Luxe: Reinforced radial ply tyres 165 SR 15. 
Volvo 145 de Luxe with B 20 F engine: Reinforced radial ply tyres 165 SR 15. 
Volvo 144 Grand Luxe: chrome wheels nuts and rim ring on 5” rims. Radial ply 165 SR 15 tyres. 
Volvo 164/164 E: 5½” pressed-steel wheels with hub caps and chrome trim ring. Radial ply 165 SR 15 tyres on 164 and 165 HR 15 radials on 164 E. 
Volvo 1800 ES: 5½” pressed-steel wheels with chrome wheel nuts and trim ring. Radial ply 185/70 HR 15 tyres.

Body
All-welded, integral steel body. 
Energy absorbing front and rear ends and reinforcing closed member profiles around all body openings. Complete rust-proofing and underbody treatment.

Fuel tank
Located at rear.
Capacity: 1800 ES: approx. 45 litres/10 Imp. galls. 
Capacity others: approx. 58 litres/12.8 Imp. galls.

Luggage compartment
140-series saloons and Volvo 164/164 E: capacity 675 litres / 23.8 cu. ft. 
Volvo 1800 ES has in addition to its large luggage compartment room for extra luggage by folding the rear seat back/rest forward.

Heating and ventilation system
Thermostatically-controlled heating and ventilation system with two-speed fan of large capacity. Air is fed to both the front and rear seat areas. Three defroster nozzles on windshield. 
Fresh air intakes on each side below dashboard. Air extractor vents at rear for through-flow ventilation. A built-in check valve prevents exhaust gases and draughts from entering from the rear. Electrically heated rear window.

Lighting equipment
Asymmetrical dipped beams. 
Automatic reversing lights. 
The Volvo 144 Grand Luxe and 164/164 E have two extra lights of Halogen type.

Other standard equipment of Volvo car programme
Twin padded sun visors. 
Special anti-dazzle rearview mirror of safety type. Laminated windscreen of high-impact type. Two-speed electric windshield wipers. 
Electric windscreen washer. Combined steering and ignition lock. Warning lamp for choke. 
Factory fitted three-point safety belts on front seats. Anchorage for rear seat belts. 
Adjustable head restraints. 
Count on Volvo reliability, quality, safety and lasting value and a well organized network of service workshops throughout the country. Volvo is value.

Dimensions and weights

<table>
<thead>
<tr>
<th></th>
<th>Volvo 144 de Luxe</th>
<th>Volvo 164/164 E</th>
<th>Volvo 1800 ES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall length cm/in.</td>
<td>464/183</td>
<td>471.5/185.2</td>
<td>438.5/172.6</td>
</tr>
<tr>
<td>Overall width cm/in.</td>
<td>173/68.1</td>
<td>173/68.1</td>
<td>170/66.9</td>
</tr>
<tr>
<td>Overall height cm/in.</td>
<td>144/56.7</td>
<td>144/56.7</td>
<td>128/50.4</td>
</tr>
<tr>
<td>Distance brake pedal front edge of seat backrest cm/in.</td>
<td>183/72</td>
<td>183/72</td>
<td>165/65</td>
</tr>
<tr>
<td>Width, front seats hip height cm/in.</td>
<td>143/56.3</td>
<td>143/56.3</td>
<td>125/49.2</td>
</tr>
<tr>
<td>With, rear seats hip height</td>
<td>143/56.3</td>
<td>143/56.3</td>
<td>102/40.2</td>
</tr>
<tr>
<td>Length front seat</td>
<td>49/19.3</td>
<td>49/19.3</td>
<td>49/19.3</td>
</tr>
<tr>
<td>Width front seat</td>
<td>57/22.5</td>
<td>57/22.5</td>
<td>50/19.7</td>
</tr>
</tbody>
</table>

Kerb weight (depending on model)

Volvo 144 de Luxe approx. 1210—1230 kg/2668—2712 lb
Volvo 145 de Luxe approx. 1270—1315 kg/2800—2897 lb
Volvo 144 Grand Luxe approx. 1245—1275 kg/2745—2811 lb
Volvo 164/164 E approx. 1380—1400 kg/3040—3084 lb
Volvo 1800 ES approx. 1175 kg/2599 lb

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.