### Specifications:

<table>
<thead>
<tr>
<th>B20B</th>
<th>B20F</th>
<th>B30A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. output (hp at rpm SAE)</td>
<td>118/5500</td>
<td>125/6000</td>
</tr>
<tr>
<td>Max. torque (ft. lb. at rpm SAE)</td>
<td>123/3500</td>
<td>123/3500</td>
</tr>
<tr>
<td>Displacement</td>
<td>121 cubic in.</td>
<td>121 cubic in.</td>
</tr>
<tr>
<td>Battery</td>
<td>3.50 in.</td>
<td>3.50 in.</td>
</tr>
<tr>
<td>Stroke</td>
<td>3.15 in.</td>
<td>3.15 in.</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>9.3:1</td>
<td>8.7:1</td>
</tr>
</tbody>
</table>

#### Engines:
- **Type B20B**: Four-cylinder, in-line, overhead valve with dual induction emission control system, full-flow oil filter and thermostatically-controlled preheating system for air entering the dual carburetors.
- **Type B20F**: Four-cylinder, in-line electronically-controlled fuel injection engine with five-main-bearing crankshaft. Fuel pressure regulator and overflow sensor. Electric fuel pump.
- **Type B30A**: Six-cylinder in-line, water-cooled with overhead valves. Seven-main-bearing crankshaft. Full-flow oil filter and thermostatically-controlled preheating system for air entering the dual carburetors.

#### Cooling system:

#### Electrical system:
12 volt system. Battery capacity 60 Ah. Alternator 35 A, fuel injected models and Volvo 164 55 A. Starter motor output 1 hp.

#### Transmission:
All-speed all-synchronized manual with remote control shift linkage.

<table>
<thead>
<tr>
<th>Volvos</th>
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</thead>
<tbody>
<tr>
<td><strong>Volvo 140 Series and 1800E/ES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ratios:</strong></td>
<td>1st</td>
<td>3.13:1</td>
</tr>
<tr>
<td></td>
<td>2nd</td>
<td>1.99:1</td>
</tr>
<tr>
<td></td>
<td>3rd</td>
<td>1.36:1</td>
</tr>
<tr>
<td></td>
<td>4th</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td>Reverse</td>
<td>3.25:1</td>
</tr>
<tr>
<td><strong>Volvo 164</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ratios:</strong></td>
<td>1st</td>
<td>3.54:1</td>
</tr>
<tr>
<td></td>
<td>2nd</td>
<td>2.12:1</td>
</tr>
<tr>
<td></td>
<td>3rd</td>
<td>1.34:1</td>
</tr>
<tr>
<td></td>
<td>4th</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td>Reverse</td>
<td>3.54:1</td>
</tr>
</tbody>
</table>

#### Automatic transmission:
- Fully automatic with part-throttle change-down functions. The automatic transmissions are specially adapted to the engine chosen. Remote control shift linkage.

#### Clutch:
- Single dry clutch of diaphragm spring type. Mechanical control.

#### Rear axle:
- Rear axle of hypoid type.
  - Ratios: Manual Automatic
  - 142/144: 4.10:1 4.10:1
  - 145: 4.30:1 4.10:1
  - 145E: 4.10:1 4.10:1
  - 164: 3.7:1 3.31:1
  - 1800E/ES: 4.30:1 3.91:J

#### Steering gear:
- Cam and roller.
- Turning Between circle curbs fronts.
- 140 Series: 30 ft. 4 in. 32 ft. 10 in.
- 1800/1800E/ES: 31 ft. 6 in. 32 ft. 10 in.

#### Brake system:
- **Foot brake** — Triangle-split dual circuit system.
- Each circuit operates on both front wheels and one rear wheel. Anti-locking disc brakes on all wheels. Power assisted. A relief valve in each rear wheel line prevents premature rear wheel lock-up.

#### Wheel and tires:
- **Volvo 142/144 models have 5” pressed steel rims and hub-caps.**
- Whitewall radial tires 165SR15.
- Volvo 145: Reinforced radial ply whitewall tires 165SR15.
- Volvo 145E: 6.85x15 whitewall tires.
- Volvo 164 has 5 1/4” pressed steel rims with chrome hub-caps and trim rings. Whitewall radial ply tires 165SR15.
- The Volvo 1800E and ES have 5 1/4” pressed steel wheels with chrome wheel nuts and trim rings. Radial ply tires 185/70HR15.
- All cars have safety type rims.

#### Body:

#### Fuel tank:
- Located at rear. Capacity 1800E/ES approx. 11.9 gallons. Capacity others: approx. 15.3 gallons.

### Trunk:
- 142/144 and 164: Capacity approx. 24 cu. ft. Volvo 1800E/ES have a rear seat feature whereby the backrest can be folded forward to give extra room.

#### Heating and ventilation system:
Thermostatically-controlled heating and ventilation system. Quiet running two-speed fan. Outlets for both front and rear areas on 140 Series and 164. Three defrost vents on windshield. Fresh air intakes under each side of dashboard. Air extractor outlet at rear for flow-through ventilation. A check valve prevents exhaust gases and drafts from entering car. Electrically heated rear window.

#### Lighting equipment:

#### Other standard equipment on Volvos:

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