## Specifications

<table>
<thead>
<tr>
<th>Basic Engine</th>
<th>12V-149 Workboat</th>
<th>12V-149 Crewboat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>9122-7000</td>
<td>9122-7000</td>
</tr>
<tr>
<td>Engine Type</td>
<td>Two Cycle</td>
<td>Two Cycle</td>
</tr>
<tr>
<td>Number of Cylinders</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Bore and Stroke</td>
<td>5.75 in x 5.75 in (146mm x 146mm)</td>
<td>5.75 in x 5.75 in (146mm x 146mm)</td>
</tr>
<tr>
<td>Displacement</td>
<td>1792 cu in (29.39 litres)</td>
<td>1792 cu in (29.39 litres)</td>
</tr>
<tr>
<td>Rated Gross Power:</td>
<td>SAE: 85°F (29.4°C) and 29.00 in Hg (99.19 kPa) Bar. (Dry)</td>
<td>800 BHP (597 kW) @ 1900 RPM</td>
</tr>
<tr>
<td>Rated Net Power:</td>
<td>SAE: 85°F (29.4°C) and 29.00 in Hg (99.19 kPa) Bar. (Dry)</td>
<td>770 SHP (574 kW) @ 1900 RPM</td>
</tr>
<tr>
<td>Continuous Gross Power:</td>
<td>SAE: 85°F (29.4°C) and 29.00 in Hg (99.19 kPa) Bar. (Dry)</td>
<td>700 BHP (522 kW) @ 1800 RPM</td>
</tr>
<tr>
<td>Continuous Net Power:</td>
<td>SAE: 85°F (29.4°C) and 29.00 in Hg (99.19 kPa) Bar. (Dry)</td>
<td>675 SHP (504 kW) @ 1800 RPM</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>17 to 1</td>
<td>17 to 1</td>
</tr>
<tr>
<td>Net Weight (dry)</td>
<td>12,500 lbs (5670 kg)</td>
<td>12,500 lbs (5670 kg)</td>
</tr>
</tbody>
</table>

## Performance

**Rating Explanation**
- **RATED BHP**—Basic engine gross power.
- **RATED SHP**—Net power available at the marine gear output shaft; this rating is recommended for crewboat applications.
- **CONTINUOUS SHP**—Net power available at the marine gear output shaft for continuous duty or workboat applications.
- **PROPPELLER LOAD**—Indicates horsepower absorbed by a typical propeller and the corresponding fuel consumption throughout the speed range.

![Engine Performance Chart](chart1.png)

**12V-149 with 120 Injectors**

- 580 HP
- 460 HP
- 400 HP
- 350 HP
- 300 HP
- 250 HP
- 200 HP
- 150 HP
- 100 HP
- 50 HP
- 0 HP

![Engine Performance Chart](chart2.png)

**12V-149 with 150 Injectors**

- 600 HP
- 530 HP
- 460 HP
- 390 HP
- 320 HP
- 250 HP
- 180 HP
- 110 HP
- 40 HP
- 0 HP
principal dimensions

129" (3277 mm) LENGTH

74" (1880 mm) HEIGHT

58" (1473 mm) WIDTH

Approximate dimensions shown.
For complete dimensional information, refer to installation drawing 2SA361.
standard equipment

Air Cleaner—Light duty oil bath
Air Inlet Housing
Alternator—24 volt, 65 amp
Crankshaft Pulley
Engine Mounts—Front trunion for engine and marine gear
Exhaust Manifold—Water cooled, horizontal end outlet
Flywheel—SAE #0
Flywheel Housing—SAE #0
Fuel Filters
Governor—Variable speed

Injectors—Cam operated, unit type, clean tip
Instruments—Includes tachometer, water temperature gauge, oil pressure gauges for engine and marine gear
Keel Cooling
Lube Oil Cooler
Lube Oil Filter—Full-flow
Marine Gear—Twin Disc, reverse and reduction, MG-527, 5.17 to 1 ratio
Oil Pan—15° Inclination angle, dual sump
Starting Motor—Dual, 24 volt
Vibration Damper—Double, heavy, viscous

For complete specifications and a listing of standard and optional equipment, consult your authorized Detroit Diesel Allison Distributor or Dealer.

Specifications subject to change without notice.

Detroit Diesel Allison
Division of General Motors Corporation

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