### Detroit Diesel Engines

**Model**

<table>
<thead>
<tr>
<th>12V-71</th>
<th>12V-71-7000</th>
<th>12V-71-7002</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>7124-7000</td>
<td>7124-7002</td>
</tr>
<tr>
<td><strong>Engine Type</strong></td>
<td>Two Cycle</td>
<td>Two Cycle</td>
</tr>
<tr>
<td><strong>Number of Cylinders</strong></td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td><strong>Bore and Stroke</strong></td>
<td>4.25 in. x 5 in. (108 mm x 127 mm)</td>
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</tr>
<tr>
<td><strong>Two Cycle Displacement</strong></td>
<td>852 cu. in. (13.97 litres)</td>
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</tr>
<tr>
<td><strong>Continuous Power</strong></td>
<td><em>475 BHP @ 2100 RPM</em></td>
<td><em>475 BHP @ 2100 RPM</em></td>
</tr>
<tr>
<td><strong>Torque</strong></td>
<td>1200 lb. ft. @ 1600 RPM</td>
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</tr>
<tr>
<td><strong>Compression Ratio</strong></td>
<td>18.7 to 1</td>
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</tbody>
</table>

**Approximate Dimensions:**

| **Length** | 93 in. (2382 mm) | 87 in. (2210 mm) |
| **Width** | 48 in. (1219 mm) | 47 in. (1194 mm) |
| **Height** | 64 in. (1626 mm) | 68 in. (1724 mm) |
| **Net Weight (Mass) (dry)** | 4700 lbs. (2132 kg) | 4200 lbs. (1905 kg) |

**Specifications**

- Horsepower and torque of basic engine, less fan and driven accessories.
- For complete dimensions information, refer to installation drawing 25A204 for Model 7124-7000 and 25A274 for Model 7124-7002.
performance

Rating Explanation
RATED BHP is the power rating for variable speed and load applications where full power is required intermittently. Performance may be degraded to improve fuel economy and extend engine life.

CONTINUOUS BHP is the power rating for applications operating under a constant load and speed for long periods of time.

FUEL CONSUMPTION CURVE shows fuel used in pounds per brake horsepower hour.

THESE RATINGS do not include power requirements for accessory and standard equipment.

For complete engine specifications for your particular application, see your authorized Detroit Diesel Allison representative.

standard equipment

Air Cleaners—Heavy-duty oil bath
Air Inlet Housing—Manual shutdown with 50” control cable
Crankshaft Pulley—5 groove
Engine Base—For standard model power take-off, Model 7124-7000 only
Exhaust Manifold—Vertical end outlet, Model 7124-7000; Water-cooled, end outlet Model 7124-7002
Fan—40”, 8-blade, suction, Model 7124-7000 only
Flywheel SAE #1/2
Flywheel Housing—SAE #1/2
Generator—24 volt, 20 amp
Governor—Limiting speed with throttle controls

Heat Exchanger—Model 7124-7002 only
Injectors—Cam operated, unit type, Clean Tip
Instrument Panel—Includes tachometer, ammeter, water temperature and oil pressure gauges, starter button
Lube Oil Filter—Full-flow filter, dual can
Oil Pan and Distribution System—Cast Iron for 0 degree inclination, Model 7124-7000
Power Take-Off—Short shaft, double plate, 18 in.
Radiator—Mounted, with water connections, and fan guards, Model 7124-7000 only
Starting Equipment—24 volt starting motor, with sprag over-running clutch
Vibration Damper—Single, heavy, viscous

For a complete listing of standard and optional equipment, consult your authorized Detroit Diesel Allison representative.

Specifications subject to change without notice.

Detroit Diesel Allison
Division of General Motors Corporation

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