The Navistar® N13 is designed specifically for International® brand vehicles. The 2200 bar common rail fuel system delivers outstanding fuel economy. The compacted graphite iron crankcase enables significant weight savings. Multiple fuel injection events combined with the isolated oil pan deliver a quiet and smooth operator environment. The wide range of horsepower ratings from 365 to 475 HP ensures there is an N13 to suit your business needs.

<table>
<thead>
<tr>
<th>Horsepower (bhp @1700 rpm)</th>
<th>Torque Peak (lb.-ft. @1000 rpm)</th>
<th>Gov. Speed (rpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>365</td>
<td>1250</td>
<td>2100</td>
</tr>
<tr>
<td>370</td>
<td>1350</td>
<td>1900/2100</td>
</tr>
<tr>
<td>390</td>
<td>1450</td>
<td>1900/2100</td>
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<tr>
<td>410</td>
<td>1450</td>
<td>1900/2100</td>
</tr>
<tr>
<td>430</td>
<td>1550</td>
<td>1900/2100</td>
</tr>
<tr>
<td>430</td>
<td>1550/1700</td>
<td>1900</td>
</tr>
<tr>
<td>450</td>
<td>1700</td>
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<tr>
<td>450</td>
<td>1550/1700</td>
<td>1900</td>
</tr>
<tr>
<td>475</td>
<td>1700</td>
<td>1900/2100</td>
</tr>
</tbody>
</table>
**Engine Type**
- Diesel 4-Cycle

**Configuration**
- Inline 6-cylinder

**Displacement**
- 12.4 L (758 cu. in.)

**Bore & Stroke**
- 4.96 in. & 6.54 in. (126 mm & 166 mm)

**Compression Ratio**
- 17:1

**Aspiration**
- Dual Series Turbochargers, Wastegate, Intercooler, and Aftercooler

**Combustion System**
- High Pressure Common Rail

**Lubrication System Capacity**
- 42 Quarts (40 L)

**Total Engine Weight (dry)**
- 2,422 lbs. (1,099 kg)

**Valves**
- 4 Valves Per Cylinder, Single Overhead Camshaft

**B10 Design Life**
- 1,200,000 mi (1,931,000 km)

**Change Engine Oil, Replace Oil Filter**
- Up to 40,000 miles (64,000 km), extended drains possible with oil sampling and review.

**Replace Fuel Filter**
- Same as Oil Filter or Every 12 months, Whichever Comes First

**Clean Diesel Particulate Filter**
- 500,000 for mpg > or equal to 6.0, 350,000 for mpg < to 6.0

**Add Extended Life Coolant (ELC) Extender**
- 300,000 miles (483,800 km) / 3 years / 6,000 hours

**Replace Coolant**
- 600,000 miles (965,600 km) / 6 years / 12,000 hours

**Clean DPF Filter**
- 300,000 miles

**Adjust Valve Lash**
- at 120,000 miles (193,100 km), at 300,000 miles (482,800 km), then every 300,000 miles (482,800 km)

### Uptime
- Single stage EGR cooler, stainless steel laser welded for maximum robustness
- Assembled camshaft using tool grade steel lobes, for unsurpassed durability
- Foamed wiring harnesses for ease of service and robustness against chafe
- Polymer coated bearings for robustness in start stop applications
- Centrifuge style breather eliminates the need to replace a filter

### Duel Efficiency
- High Pressure Common Rail fuel system for maximum fuel efficiency
- Optional down speed calibration ratings, reducing friction and pumping losses
- Compacted Graphite Iron crankcase, aluminum flywheel housing, hollow camshaft, and nylon valve covers for lightweight

### DriverFirst
- Sculpted crankcase and oil pan reduce noise
- Ground gears instead of shaved gears reduce noise
- JakeBrake® compression release engine brake delivers engine braking power at three power settings

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JakeBrake is a registered trademark of Jacobs Vehicle Systems Inc. Up to 475 hp ratings available in select N13 models. Note: Specifications and descriptions in this literature are as accurate as known at time of publication, but are subject to change without notice.

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