N9 series
9.0l Common Rail marine engines
From 290 to 560 hp

General data
Engine base.............. John Deere
Displacement [l-cu in]..... 9.0 - 549
Compression ratio .......... 16.0:1
Bore [mm-in].............. 118.4 - 4.66
Stroke [mm-in]............. 136 - 5.35
Injection ..................... HPCR
Governor Type............. Electronic
Electrical system............... 24V

Applications
- Recreational yachts, cruisers
- Sport fishing boats
- Crew boats, dive boats
- Light-duty commercial
- Fishing boats
- Rescue boats

Engine overview
- Engine type: 4 cycle Diesel, Direct Injection
- Number of valves: 4 valves cylinder head
- Cylinders: 6 cylinders in line
- Fuel system: High Pressure Common Rail
  - Electronically controlled
- Air Intake: Turbocharged with air-to-seawater or air-to-coolant
- Engine cooling: Heat exchanger or Keel Cooled

Features and benefits
Watercooled Turbocharger and Exhaust Manifold
- Marine wet turbocharger and wet exhaust manifold lowering surface and engine room temperatures.
- Integrated components reduce external connections, hose and fitting that can leak or break.
- Replaceable Wet-type Cylinder Liners
  - Hardened and precision machined for long life.
  - Excellent heat dissipation.
  - Rebuild to original specifications.
- High Power Density
  - High power density offers more power in a smaller package.

High Pressure Common Rail Fuel System
- High pressure common rail fuel system provides high performance, excellent fuel economy, and low emissions.
- Variable injection pressure and timing control.

Heat Exchanger
- High-capacity heat exchanger designed for reliable operation in adverse conditions.

Corrosion Resistant Components
- Provides engine protection from the effects of seawater

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## Performance & ratings

<table>
<thead>
<tr>
<th>Rating</th>
<th>Load factor</th>
<th>Duty cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1</td>
<td>Over 65%</td>
<td>Uninterrupted full power</td>
</tr>
<tr>
<td>M2</td>
<td>Up to 65%</td>
<td>Full power for no more than 16 hours out of each 24 hours of operation</td>
</tr>
<tr>
<td>M3</td>
<td>Up to 50%</td>
<td>Full power for no more than 4 hours out of each 12 hours of operation</td>
</tr>
<tr>
<td>M4</td>
<td>Up to 40%</td>
<td>Full power for no more than 1 hour out of each 12 hours of operation</td>
</tr>
<tr>
<td>M5</td>
<td>Up to 35%</td>
<td>Full power for no more than 30 minutes out of each 8 hours of operation</td>
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</tbody>
</table>

### Ratings definition

The rating definitions are provided as a guide to help in the selection of the engine that best fits the application requirements. Consult your Nanni representative to verify the optimal rating for your specific application.

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**Emission:**
- [1.Marpol Annex IV compliant],
- [1A.Marpol Annex IV exempt],
- [2.EPA Marine Tier 2],
- [3.EPA Marine Tier 3],
- [4.NRMM 97/68/EC as amended],

### Contact your local Nanni dealer for more information regarding Nanni engines and optional equipment & accessories.

Specifications are subject to change without notice. All combination of optional equipment are not available. Photographs and illustrations may show non-standard equipments.

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