**PROPULSION ENGINE**

## N5.150

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at crankshaft</td>
<td>112 kW [152 hp]</td>
</tr>
<tr>
<td>Displacement</td>
<td>4.5 l [275 in³]</td>
</tr>
<tr>
<td>Configuration</td>
<td>4 cylinders in line</td>
</tr>
<tr>
<td>Operation type</td>
<td>4 strokes Diesel</td>
</tr>
<tr>
<td>Bore &amp; Stroke</td>
<td>106.4 x 127 mm [4.19 x 5 in]</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>17.2 : 1</td>
</tr>
<tr>
<td>Rated speed</td>
<td>2600 rpm</td>
</tr>
<tr>
<td>Idling speed</td>
<td>700 rpm</td>
</tr>
<tr>
<td>Peak torque</td>
<td>507 Nm</td>
</tr>
<tr>
<td>Engine base</td>
<td>John Deere</td>
</tr>
<tr>
<td>Fuel system</td>
<td>Direct injection</td>
</tr>
<tr>
<td>Mechanical controlled</td>
<td></td>
</tr>
<tr>
<td>Air intake</td>
<td>Turbocharged</td>
</tr>
<tr>
<td>Cooling</td>
<td>Closed cooling with heat exchanger</td>
</tr>
<tr>
<td>Max mounting angle</td>
<td>0° Front down 12° Front up</td>
</tr>
<tr>
<td>Alternator</td>
<td>24 Volt 50 Amp</td>
</tr>
<tr>
<td>Rating</td>
<td>M4</td>
</tr>
<tr>
<td>Dry weight</td>
<td>462 kg [1018 lbs]</td>
</tr>
<tr>
<td>Peak torque speed</td>
<td>1800 rpm</td>
</tr>
</tbody>
</table>

![Image of propulsion engine]
N5.150
112 kW [152 hp] at 2600 rpm

TECHNICAL DESCRIPTION

ENGINE BLOCK
- Replaceable wet-type cylinder liners
- Watercooled exhaust manifold

FUEL SYSTEM
- Primary & secondary fuel filter
- Common Rail fuel injection system

LUBRICATION SYSTEM
- Replaceable full-flow oil filter
- Oil dipstick
- Oil cooler

COOLING SYSTEM
- Closed cooling with heat exchanger
- Gear driven self-priming raw water pump
- Coolant circulating pump
- Water cooled exhaust elbow

ELECTRICAL SYSTEM & INSTRUMENTATION
- 24V / 50A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-and-play

AIR INTAKE
- Turbocharged

OTHER FEATURES
- Flywheel SAE 3
- Flexible engine mounting
- Internal balancers

OPTIONAL SYSTEMS & ACCESSORIES
- Keel cooling adaptation
- Dry exhaust elbow
- Complete marine propulsion systems
- Marine transmission adaptation kits
- Throttle and shift controls
- Additional instrumentation, Flying bridge extension harness
- Rigid engine mounting
- Power take off
- Type of approval

RATINGS
- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no more than 1 hour out of each 12 hours of operation. The remaining operation time must be at or below cruising speed.

TRANSMISSIONS
- Contact your Nanni representative for more details and availability about transmissions types and models range

DIMENSIONS