N6.180
SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at crankshaft</td>
<td>131 kW [175 hp]</td>
</tr>
<tr>
<td>Displacement</td>
<td>6.8 l [415 in³]</td>
</tr>
<tr>
<td>Configuration</td>
<td>6 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 : 1</td>
</tr>
<tr>
<td>Rated speed</td>
<td>2400 rpm</td>
</tr>
<tr>
<td>Idling speed</td>
<td>650 rpm</td>
</tr>
<tr>
<td>Peak torque</td>
<td>688 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>Air intake</td>
<td>Mechanical governor</td>
</tr>
<tr>
<td>Cooling</td>
<td>Turbocharged</td>
</tr>
<tr>
<td>Max mounting angle</td>
<td>0° Front down</td>
</tr>
<tr>
<td>Alternator</td>
<td>24 Volt</td>
</tr>
<tr>
<td>Dry weight</td>
<td>730 kg [1609 lbs]</td>
</tr>
<tr>
<td>Peak torque speed</td>
<td>1800 rpm</td>
</tr>
</tbody>
</table>
N6.180
131 kW [175 hp] at 2400 rpm

TECHNICAL DESCRIPTION

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

FUEL SYSTEM
- Fuel filter
- Direct injection, mechanical governor

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
- Damper pulley

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 approval

RATINGS
- Up to 5000 annual operating hours
- Load factor up to 65%
- Full power for no ore than 16 hours out of 24 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.

PERFORMANCE CURVES

POWER AT CRANKSHAFT

TORQUE AT CRANKSHAFT

FUEL CONSUMPTION

DIMENSIONS