N4.65
SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at crankshaft</td>
<td>43.4 kW [59 hp]</td>
</tr>
<tr>
<td>Displacement</td>
<td>2.434 l [148.5 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>87 x 102.4 mm [3.43 x 4.03 in]</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>23 : 1</td>
</tr>
<tr>
<td>Rated speed</td>
<td>2700 rpm</td>
</tr>
<tr>
<td>Idling speed</td>
<td>850 rpm</td>
</tr>
<tr>
<td>Peak torque</td>
<td>168 Nm</td>
</tr>
<tr>
<td>Peak torque speed</td>
<td>1800 rpm</td>
</tr>
<tr>
<td>Engine base</td>
<td>Kubota</td>
</tr>
<tr>
<td>Fuel system</td>
<td>Mechanical Indirect injection</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>15° Front down</td>
</tr>
<tr>
<td>Alternator</td>
<td>12 Volt</td>
</tr>
<tr>
<td>Rating</td>
<td>M4</td>
</tr>
<tr>
<td>Emission compliance</td>
<td>IMO Annex VI Compliant RCD2013/53/EU BS02</td>
</tr>
<tr>
<td>Dry weight with TM345A</td>
<td>248 kg [546.75 lbs]</td>
</tr>
</tbody>
</table>
**TECHNICAL DESCRIPTION**

**ENGINE BLOCK**
- 4 Cylinders in line
- 2 Valves per cylinder
- Gear driven valve train
- Watercooled exhaust manifold

**FUEL SYSTEM**
- Indirect E-TVCS injection system
- Fuel filter

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

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

**ELECTRICAL SYSTEM & INSTRUMENTATION**
- 12V / 120A alternator
- 12V electrical system
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-and-play

**AIR INTAKE**
- Turbocharged

**OTHER FEATURES**
- Flexible engine mounts
- Internal balancers
- Single side serviceability

**OPTIONAL equipments & 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

**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 time must be at, or below cruising speed

**TRANSMISSIONS**
- Shaft line
- Sail Drive
- Contact your Nanni representative for more details and availability about transmissions types and models range.

**DIMENSIONS WITH TM345A**

**PERFORMANCE CURVES**

**POWER AT CRANKSHAFT**

**TORQUE AT CRANKSHAFT**

**FUEL CONSUMPTION**

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