## N13.930 CR3

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power at crankshaft</strong></td>
<td>680 kW [925 hp]</td>
</tr>
<tr>
<td><strong>Displacement</strong></td>
<td>12.7 l [775 in³]</td>
</tr>
<tr>
<td><strong>Configuration</strong></td>
<td>6 cylinders in line</td>
</tr>
<tr>
<td><strong>Operation type</strong></td>
<td>4 stroke Diesel</td>
</tr>
<tr>
<td><strong>Bore &amp; Stroke</strong></td>
<td>130 x 160 mm [5.1 x 6.3 in]</td>
</tr>
<tr>
<td><strong>Compression ratio</strong></td>
<td>17.3 : 1</td>
</tr>
<tr>
<td><strong>Rated speed</strong></td>
<td>2300 rpm</td>
</tr>
<tr>
<td><strong>Idling speed</strong></td>
<td>600 rpm</td>
</tr>
<tr>
<td><strong>Peak torque</strong></td>
<td>3145 Nm</td>
</tr>
<tr>
<td><strong>Peak torque speed</strong></td>
<td>1700 rpm</td>
</tr>
</tbody>
</table>

**Engine base**
- **Scania**

**Fuel system**
- Extra High Pressure Injection (XPI)

**Air intake**
- Turbocharged with after cooler

**Cooling**
- Closed cooling with heat exchanger and charge air cooler

**Max mounting angle**
- 12° Front down
- 12° Front up

**Alternator**
- 24 Volt
- 100 Amp

**Rating**
- M6.S

**Emission compliance**
- IMO Tier II
- EU Stage IIIA

**Dry weight**
- 1285 kg [2833 lbs]
N13.930 CR3
680 kW [925 hp] at 2300 rpm

TECHNICAL DESCRIPTION

ENGINE BLOCK
- Extra high pressure fuel injection system, XPI
- Turbocharger
- Protection covers

FUEL SYSTEM
- Scania Engine Management System, EMS
- Fuel pre-filter with water separator
- Fuel filter

LUBRICATION SYSTEM
- Oil filter, full flow
- Centrifugal oil cleaner
- Oil cooler, integrated in block
- Oil filter
- Oil draining with plug
- Low oil sump
- Oil dipstick

COOLING SYSTEM
- Sea water pump

ELECTRICAL SYSTEM & INSTRUMENTATION
- Starter, 2-pole 7.0 kW
- Alternator, 2-pole 24V / 100A

OTHER FEATURES
- Flywheel SAE 14"
- Silumin flywheel housing, SAE 1 flange
- Front-mounted engine brackets
- Closed crankcase ventilation
- Air cleaner
- Flexible engine mounting
- Damper pulley

OPTIONAL SYSTEMS & ACCESSORIES
- Hydraulic pump
- Side-mounted PTO (SAE A)
- Axial front-mounted PTO
- Exhaust connections
- Engine heater
- Stiff rubber suspension
- Oil draining with pump
- Oil level sensor
- Bilge pump

RATINGS
M6.S
- Up to 500 annual operating hours
- Load factor up to 50%
- 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

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