## N16.900 CR3

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power at crankshaft</strong></td>
<td>662 kW [900 hp]</td>
</tr>
<tr>
<td><strong>Displacement</strong></td>
<td>16.4 l [1000.8 in³]</td>
</tr>
<tr>
<td><strong>Configuration</strong></td>
<td>8 cylinders in V</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 154 mm [5.1 x 6.1 in]</td>
</tr>
<tr>
<td><strong>Compression ratio</strong></td>
<td>15.7 : 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>3299 Nm</td>
</tr>
<tr>
<td><strong>Peak torque speed</strong></td>
<td>1600 rpm</td>
</tr>
<tr>
<td><strong>Engine base</strong></td>
<td>Scania</td>
</tr>
<tr>
<td><strong>Fuel system</strong></td>
<td>Extra High Pressure Injection (XPI)</td>
</tr>
<tr>
<td><strong>Air intake</strong></td>
<td>Twin turbocharged with air-to-seawater aftercooler</td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td>Closed cooling with heat exchanger and aftercooler</td>
</tr>
<tr>
<td><strong>Max mounting angle</strong></td>
<td>12° Front up 12° Front down</td>
</tr>
<tr>
<td><strong>Alternator</strong></td>
<td>24 Volt 100 Amp</td>
</tr>
<tr>
<td><strong>Rating</strong></td>
<td>M1.S</td>
</tr>
<tr>
<td><strong>Emission compliance</strong></td>
<td>IMO Tier II NRMM 97/68/EC</td>
</tr>
<tr>
<td><strong>Dry weight</strong></td>
<td>1660 kg [3659.7 lbs]</td>
</tr>
</tbody>
</table>
N16.900 CR3
662 kW [900 hp] at 2300 rpm

TECHNICAL DESCRIPTION

ENGINE BLOCK
- Extra high pressure fuel injection system, XPI
- Twin Turbochargers
- 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 draining with plug
- Shallow 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-and-rear mounted engine brackets
- Closed crankcase ventilation
- Air cleaners
- Flexible engine mounts
- Damper

OPTIONAL SYSTEMS & ACCESSORIES
- Predisposition for SAE B hydraulic pump
- Axial front PTO
- Exhaust connections
- Cabin heater
- Rigid mount
- Oil draining pump
- Oil level sensor
- Bilge pump

RATINGS
M1.S
- Unlimited
- Load factor up to 80%
- Full power for no more than 1 hour out of each 3 hours of operation.

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

1278 mm [50.3 in]
1578 mm [62.1 in]
1362 mm [53.6 in]