### N16.1000 CR3 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at crankshaft</td>
<td>736 kW [1000 hp]</td>
</tr>
<tr>
<td>Displacement</td>
<td>16.4 l [1000.8 in³]</td>
</tr>
<tr>
<td>Configuration</td>
<td>8 cylinders in V</td>
</tr>
<tr>
<td>Operation type</td>
<td>4 stroke Diesel</td>
</tr>
<tr>
<td>Bore &amp; Stroke</td>
<td>130 x 154 mm [5.1 x 6.1 in]</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>15.7 : 1</td>
</tr>
<tr>
<td>Rated speed</td>
<td>2300 rpm</td>
</tr>
<tr>
<td>Idling speed</td>
<td>600 rpm</td>
</tr>
<tr>
<td>Peak torque</td>
<td>3665 Nm</td>
</tr>
<tr>
<td>Peak torque speed</td>
<td>1600 rpm</td>
</tr>
<tr>
<td>Engine base</td>
<td>Scania</td>
</tr>
<tr>
<td>Fuel system</td>
<td>Extra High Pressure Injection (XPI)</td>
</tr>
<tr>
<td>Air intake</td>
<td>Twin turbocharged with air-to-seawater after cooler</td>
</tr>
<tr>
<td>Cooling</td>
<td>Closed cooling with heat exchanger and aftercooler</td>
</tr>
<tr>
<td>Max mounting angle</td>
<td>12° Front up 12° Front down</td>
</tr>
<tr>
<td>Alternator</td>
<td>24 Volt 100 Amp</td>
</tr>
<tr>
<td>Rating</td>
<td>M5.L M6.S</td>
</tr>
<tr>
<td>Emission compliance</td>
<td>IMO Tier II NRMM 97/68/EC</td>
</tr>
<tr>
<td>Dry weight</td>
<td>1660 kg [3659.7 lbs]</td>
</tr>
</tbody>
</table>
N16.1000 CR3
736 kW [1000 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 mounts
- Oil draining pump
- Oil level sensor
- Bilge pump

RATINGS
M5.L
- Up to 2000 hours per year
- Load factor up to 77%
- Full power for no more than 1 hour out of each 6 hours of operation.

M6.S
- Up to 500 hours per year
- Load factor up to 50%
- Full power for no more than 1 hour out of each 12 hours of operation.

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

PERFORMANCE CURVES

POWER AT CRANKSHAFT

FUEL CONSUMPTION

TORQUE AT CRANKSHAFT

DIMENSIONS

NANNI INDUSTRIES S.A.S.
11, Avenue Mariotte - Zone Industrielle
33260 La Teste - France
Tel: +33 (0)5 56 22 30 60
Fax: +33 (0)5 56 22 30 79

Technical data according to ISO 8665. This document is not contractual. Nanni reserves the right to modify any of the characteristics stated in this document without notice, in a constant effort to improve the quality of its products. Images and illustrations may shown non standard equipment. All combination of equipment & accessory are not available.

DBXXC01064