### N13.700 CR3 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at crankshaft</td>
<td>515 kW [700 hp]</td>
</tr>
<tr>
<td>Displacement</td>
<td>12.7 l [775 in³]</td>
</tr>
<tr>
<td>Configuration</td>
<td>6 cylinders in line</td>
</tr>
<tr>
<td>Operation type</td>
<td>4 stroke Diesel</td>
</tr>
<tr>
<td>Bore &amp; Stroke</td>
<td>130 x 160 mm [5.1 x 6.3 in]</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>17.3 : 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>2972 Nm</td>
</tr>
<tr>
<td>Peak torque speed</td>
<td>1500 rpm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Engine base</th>
<th>Scania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel system</td>
<td>Extra High Pressure Injection (XPI)</td>
</tr>
<tr>
<td>Air intake</td>
<td>Turbocharged with after cooler</td>
</tr>
<tr>
<td>Cooling</td>
<td>Closed cooling with heat exchanger and charge air cooler</td>
</tr>
<tr>
<td>Max mounting angle</td>
<td>12° Front down 12° Front up</td>
</tr>
<tr>
<td>Alternator</td>
<td>24 Volt 100 Amp</td>
</tr>
<tr>
<td>Rating</td>
<td>M6.S / M5.L</td>
</tr>
<tr>
<td>Emission compliance</td>
<td>US tier 3 IMO Tier II EU Stage IIIA RCD2</td>
</tr>
<tr>
<td>Dry weight</td>
<td>1285 kg [2833 lbs]</td>
</tr>
</tbody>
</table>
N13.700 CR3
515 kW [700 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
- Housing SAE1
- 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

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

PERFORMANCE CURVES

POWER AT CRANKSHAFT

TORQUE AT CRANKSHAFT

FUEL CONSUMPTION

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 equipments. All combination of equipment & accessory are not available.