

# N5.160 CR2

## SPECIFICATIONS



|                     |                              |                     |  |
|---------------------|------------------------------|---------------------|--|
| Power at crankshaft | 119 kW [162 hp]              | Engine base         | John Deere   |
| Displacement        | 4.5 l [275 in³]              | Fuel system         | Direct injection<br>Mechanical governor<br>electronically controlled           |
| Configuration       | 4 cylinders in line          | Air intake          | Turbocharged<br>Air-to-seawater aftercooler                                    |
| Operation type      | 4 strokes Diesel             | Cooling             | Closed cooling with heat exchanger   |
| Bore & Stroke       | 106.4 x 127 mm [4.19 x 5 in] | Max mounting angle  | 0° Front down<br>12° Front up  |
| Compression ratio   | 16.7 : 1                     | Alternator          | 24 Volt<br>50 Amp  |
| Rated speed         | 2300 rpm                     | Rating              | M1   |
| Idling speed        | 600 rpm                      | Emission compliance | IMO Annex VI compliant<br>EPA marine Tier 3<br>NRMM 97/68/EC<br>RCD 2013/53/EU |
| Peak torque         | 604 Nm                       | Dry weight          | 578 kg [1274 lbs]  |
| Peak torque speed   | 1800 rpm                     |                     |  |

# N5.160 CR2

119 kW [162 hp] at 2300 rpm

## TECHNICAL DESCRIPTION

### ENGINE BLOCK

- Replaceable wet-type cylinder liners
- 4 valves per cylinder
- Watercooled exhaust manifold

### FUEL SYSTEM

- Common Rail fuel injection system
- Fuel heater
- Primary & secondary fuel filter

### LUBRICATION SYSTEM

- Replaceable full-flow oil filter
- Oil dipstick
- Oil cooler

### COOLING SYSTEM

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

### ELECTRICAL SYSTEM & INSTRUMENTATION

- 24V / 50A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-and-play

### AIR INTAKE

- Turbocharged
- Air-to-seawater aftercooler

### OTHER FEATURES

- Flywheel SAE 3
- Flexible engine mounting
- Internal balancers

### OPTIONAL SYSTEMS & 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

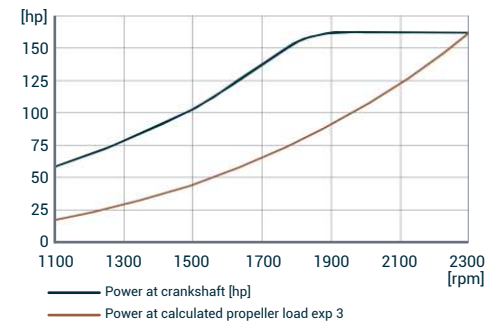
- 24 daily operating hours
- Load factor over 65%
- Uninterrupted full power

### TRANSMISSIONS

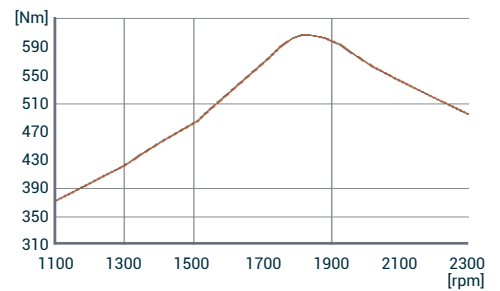
- Contact your Nanni representative for more details and availability about transmissions types and models range

## PERFORMANCE CURVES

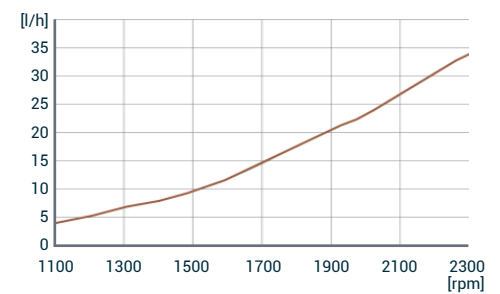
### POWER AT CRANKSHAFT



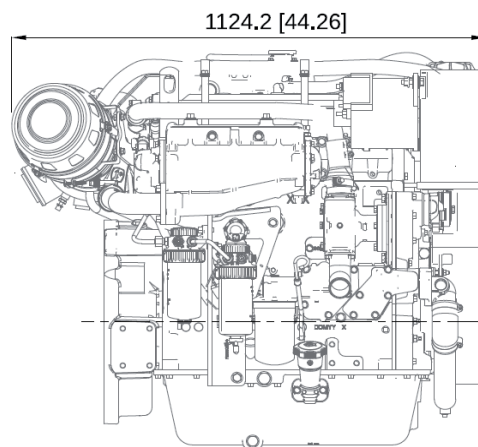
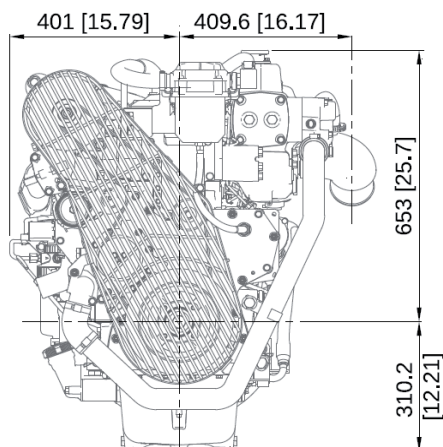
### TORQUE AT CRANKSHAFT



### FUEL CONSUMPTION



## DIMENSIONS BOBTAIL



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