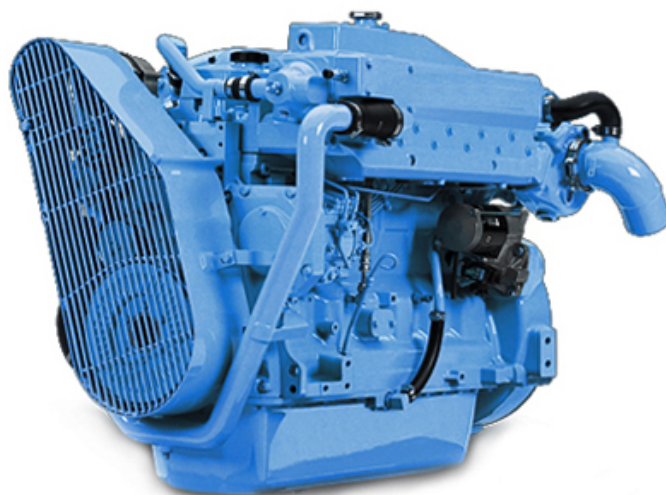


# N6.270 E

## Specifications



<b>Power at crankshaft</b>	199 kW [271 hp]	<b>Engine base</b>	John Deere
<b>Displacement</b>	6.8 l [414 in <sup>3</sup> ]	<b>Fuel system</b>	Rotary fuel injection pump Electronically controlled
<b>Configuration</b>	6 cylinders in line	<b>Air intake</b>	Turbocharged Air-to-seawater aftercooler
<b>Operation type</b>	4 stroke Diesel	<b>Cooling</b>	Closed cooling with heat exchanger
<b>Bore &amp; Stroke</b>	106.4 x 127 mm [4.19 x 5 in]	<b>Mounting angle</b>	9° Front up 0° Front down
<b>Compression ratio</b>	17.0:1	<b>Alternator</b>	24 Volt 50 Amp
<b>Rated speed</b>	2500 rpm	<b>Rating</b>	M4
<b>Idle speed</b>	650 rpm	<b>Emission compliance</b>	IMO Marpol Annex VI NRMM (97/68/EC) Tier 2
<b>Peak torque</b>	975 Nm		
<b>Peak torque speed</b>	1800 rpm		
<b>Dry weight</b>	735 kg [1620 lb]		

# N6.270 E

199 kW [271 hp] @ 2500 rpm

## TECHNICAL DESCRIPTION

### Engine block

- Replaceable wet-type cylinder liners
- Watercooled exhaust manifold

### Fuel system

- Fuel filter
- Mechanical fuel injection pump electronically controlled

### 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
- 24 Volt starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-in connection

### Air intake

- Turbocharged
- Air-to-seawater aftercooler

### Other features

- Flywheel SAE 3
- Flexible engine mounting
- Damper pulley

## Optional equipment & 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
- Type approval

## RATING

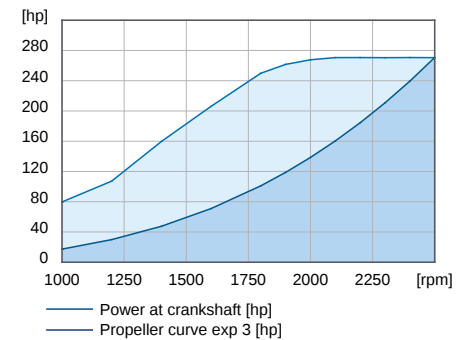
- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no more than 1 hour out of each 12 hours of operation. The remaining operation time must be at or below cruising speed

## TRANSMISSIONS

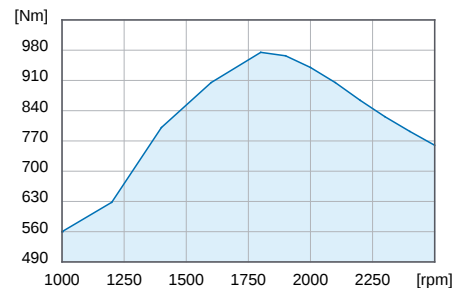
Contact your local dealer for more details and availability for transmission model and type.

## PERFORMANCE CURVES

### Power at crankshaft

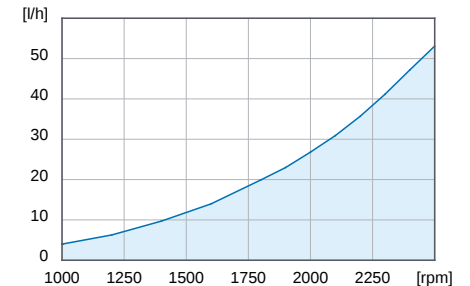


### Torque at crankshaft

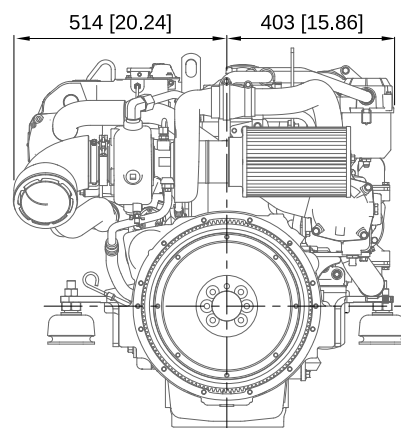
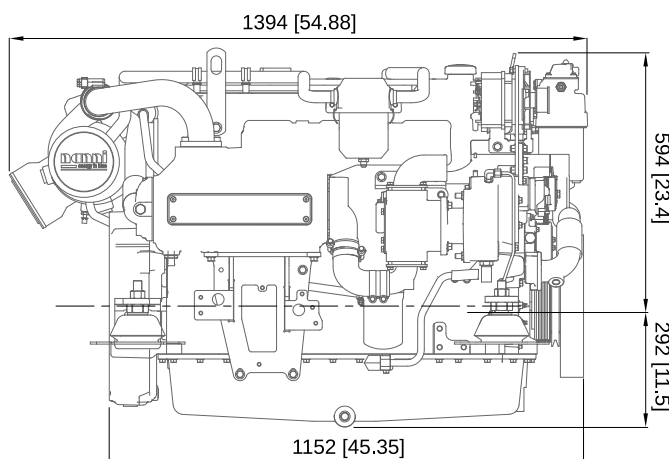


### Fuel consumption

At calculated propeller load exp 3



## DIMENSIONS BOBTAIL



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Technical data according to ISO 8665. Specifications are subject to change without notice. Images and illustrations may show non standard equipments. All combination of equipment & accessory are not available.

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