

# N13.510 CR2

## SPECIFICATIONS



|                     |                               |                     |   |
|---------------------|-------------------------------|---------------------|---|
| Power at crankshaft | 373 kW [507 hp]               | Engine base         | John Deere  |
| Displacement        | 13.6 l [830 in <sup>3</sup> ] | Fuel system         | Electronically controlled unit injectors  |
| Configuration       | 6 cylinders in line           | Air intake          | Turbocharged<br>Air-to-seawater aftercooler   |
| Operation type      | 4 strokes Diesel              | Cooling             | Closed cooling with heat exchanger  |
| Bore & Stroke       | 132 x 165 mm [5.2 x 6.5 in]   | Max mounting angle  | 0° Front down<br>12° Front up   |
| Compression ratio   | 16 : 1                        | Alternator          | 24 Volt<br>100 Amp  |
| Rated speed         | 1900 rpm                      | Rating              | M2  |
| Idling speed        | 600 rpm                       | Emission compliance | IMO Marpol Annex VI<br>NRMM (97/68/EC) Tier 3<br>EPA marine Tier 3<br>RCD2 2013/53/EU |
| Peak torque         | 2544 Nm                       | Dry weight          | 1380 kg [3042 lbs]  |
| Peak torque speed   | 1400 rpm                      |                     |   |

# N13.510 CR2

373 kW [507 hp] at 1900 rpm

## TECHNICAL DESCRIPTION

### ENGINE BLOCK

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

### FUEL SYSTEM

- Electronically controlled unit injectors
- 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 / 100A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-and-play

### AIR INTAKE

- Water cooled turbocharger
- Air-to-seawater aftercooler

### OTHER FEATURES

- Flywheel SAE 1
- Flexible engine mounting
- Damper pulley

### 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
- Type approval

### RATINGS

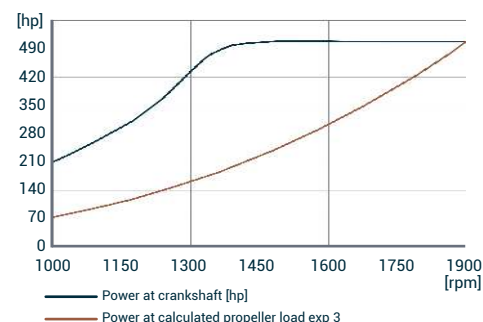
- Up to 5000 annual operating hours
- Load factor up to 65%
- Full power for no more than 16 hours out of each 24 hours of operation. The remaining operation time must be at or below cruising speed

### TRANSMISSIONS

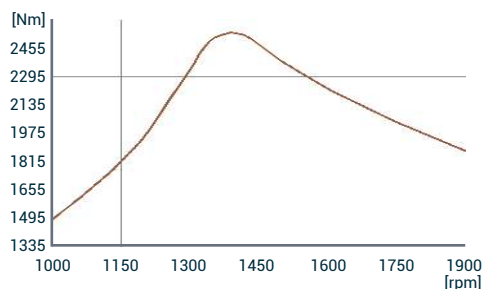
- Contact your Nanni representative for more details and availability about transmissions types and models range.

## PERFORMANCE CURVES

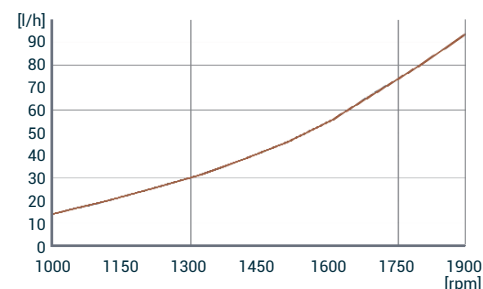
### POWER AT CRANKSHAFT



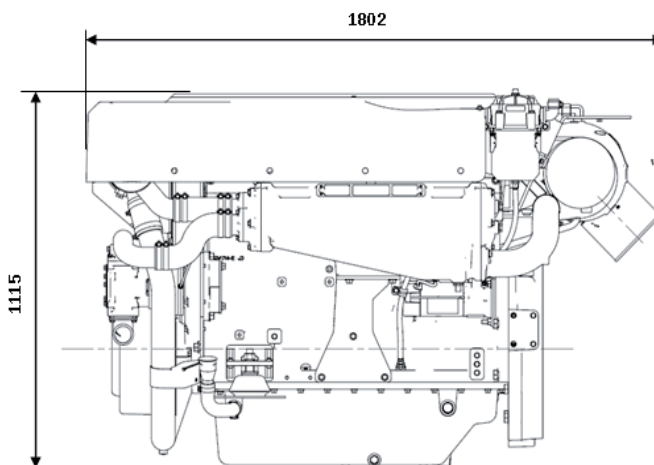
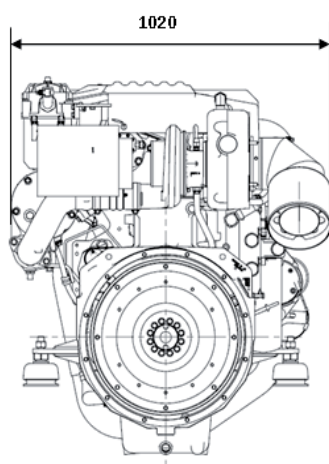
### TORQUE AT CRANKSHAFT



### FUEL CONSUMPTION



## DIMENSIONS



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