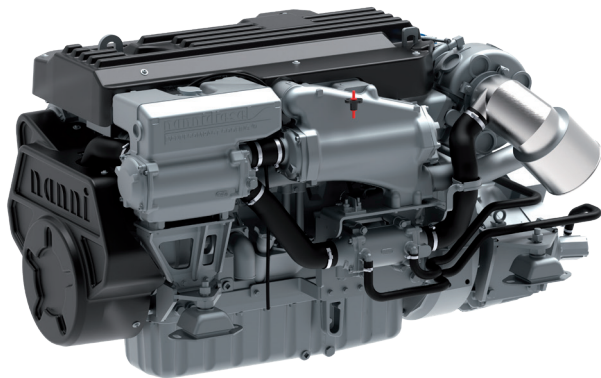


# N13.660 CR2

## SPECIFICATIONS



Power at crankshaft	485 kW [659 hp]
Displacement	13.6 l [830 in³]
Configuration	6 cylinders in line
Operation type	4 strokes Diesel
Bore & Stroke	132 x 165 mm [5.2 x 6.5 in]
Compression ratio	16 : 1
Rated speed	2100 rpm
Idling speed	600 rpm
Peak torque	2877 Nm
Peak torque speed	1600 rpm

Engine base	John Deere
Fuel system	Electronically controlled unit injectors
Air intake	Turbocharged Air-to-seawater aftercooler
Cooling	Closed cooling with heat exchanger
Max mounting angle	0° Front down 12° Front up
Alternator	24 Volt 100 Amp
Rating	M4
Emission compliance	IMO Marpol Annex VI NRMM (97/68/EC) Tier 3 EPA marine Tier 3 RCD2 2013/53/EU
Dry weight	1380 kg [3042 lbs]



# N13.660 CR2

485 kW [659 hp] at 2100 rpm

## TECHNICAL DESCRIPTION

### ENGINE BLOCK

- Replaceable wet-type cylinder liners
- 4 Valves per cylinder
- Directed top-liner cooling
- 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

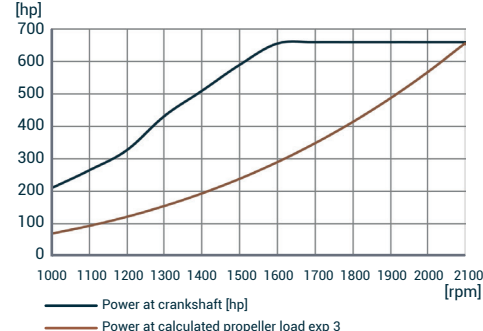
- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no more than 1 hour out of each 12 hours of operation. The remaining operation time must be at or below cruising speed

## TRANSMISSIONS

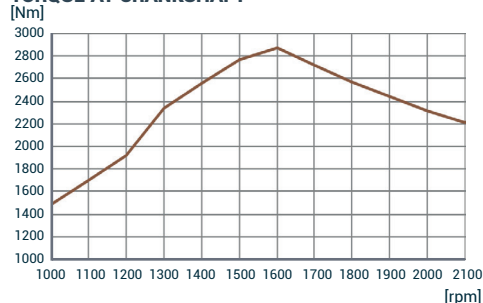
- Contact your Nanni representative for more details and availability about transmissions types and models range.

## PERFORMANCE CURVES

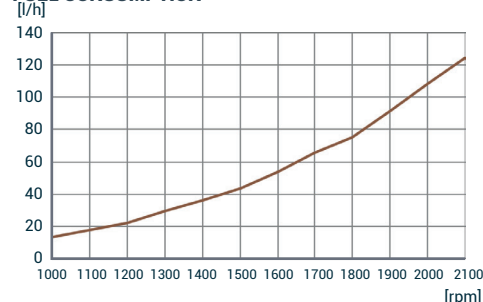
### POWER AT CRANKSHAFT



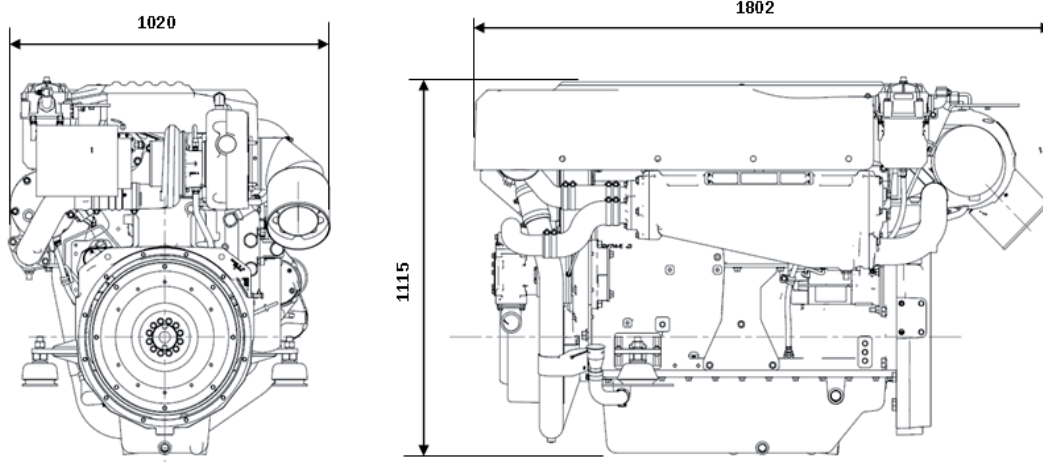
### TORQUE AT CRANKSHAFT



### FUEL CONSUMPTION



## DIMENSIONS



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