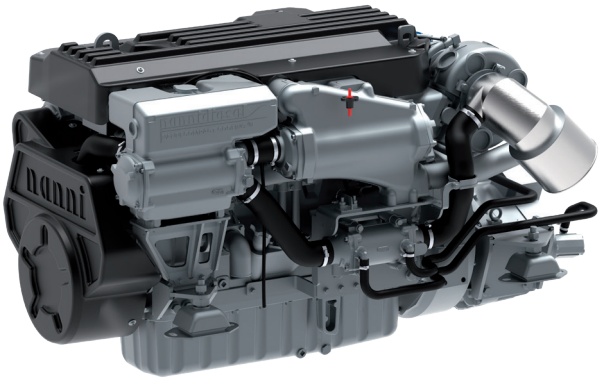
N13.580 CR2

SPECIFICATIONS



Power at crankshaft	429 kW [583 hp]
Displacement	13.6 l [830 in^3]
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	2000 rpm
Idling speed	600 rpm
Peak torque	2731 Nm
Peak torque speed	1500 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	M3
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]

N13.580 CR2

429 kW [583 hp] at 2000 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

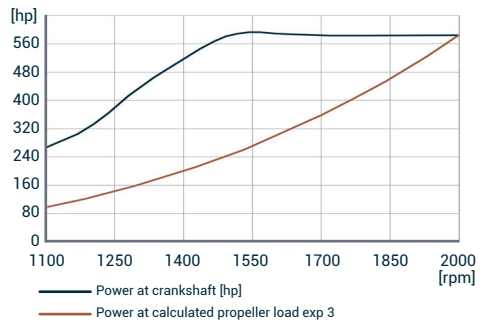
- Up to 4000 annual operating hours
- Load factor up to 50%
- Full power for no more than 4 hours out of each 12 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

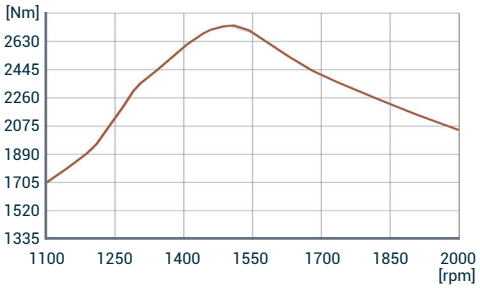
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

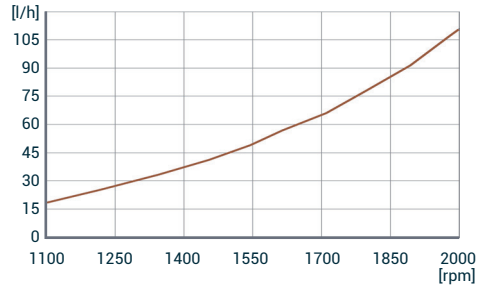
POWER AT CRANKSHAFT



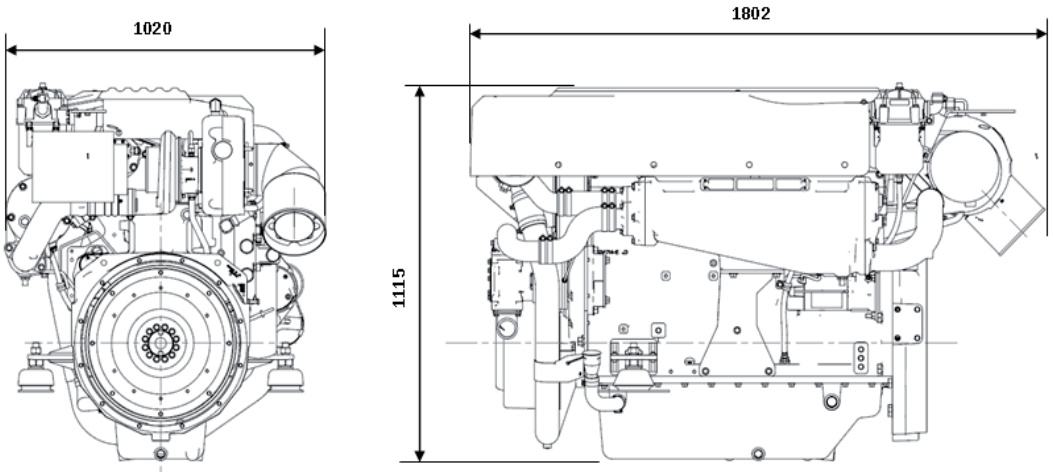
TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS



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