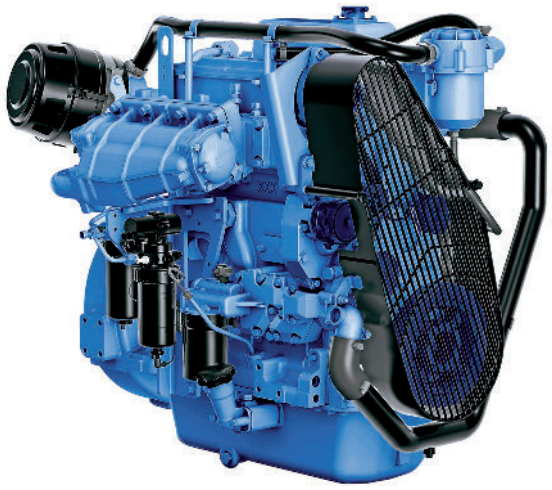
N5.230 CR2

SPECIFICATIONS



Power at crankshaft	168 kW [228 hp]
Displacement	4.5 l [275 in³]
Configuration	4 cylinders in line
Operation type	4 strokes Diesel
Bore & Stroke	106.4 x 127 mm [4.19 x 5 in]
Compression ratio	16.7 : 1
Rated speed	2600 rpm
Idling speed	600 rpm
Peak torque	640 Nm
Peak torque speed	2000 rpm

Engine base	John Deere
Fuel system	Direct injection Mechanical governor electronically controlled
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 50 Amp
Rating	M4
Emission compliance	IMO Annex VI compliant EPA marine Tier 3 NRMM 97/68/EC RCD 2013/53/EU
Dry weight	578 kg [1274 lbs]

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ENERGY IN BLUE

N5.230 CR2

168 kW [228 hp] at 2600 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

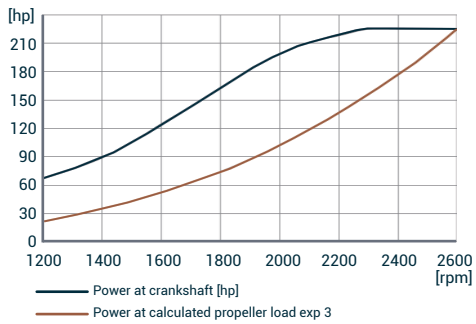
- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no ore than 1 hour out of 12 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

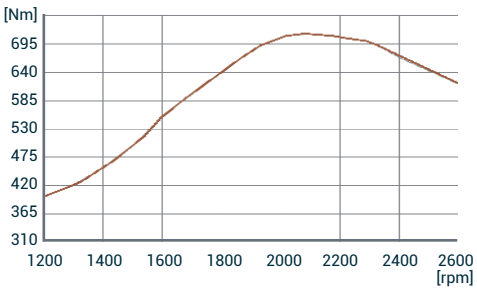
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

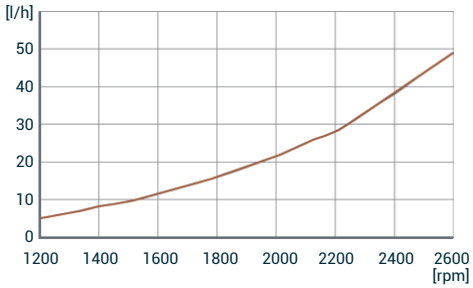
POWER AT CRANKSHAFT



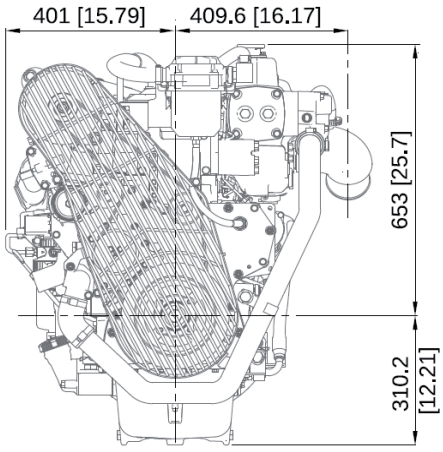
TORQUE AT CRANKSHAFT

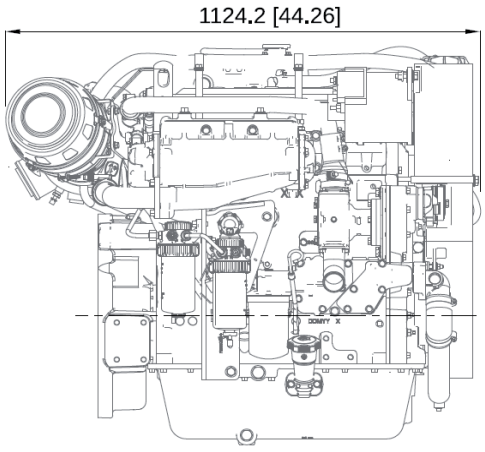


FUEL CONSUMPTION



DIMENSIONS





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