N9.430 CR2

SPECIFICATIONS



Power at crankshaft	317 kW [431hp]
Displacement	9 I [549 in³]
Configuration	6 cylinders in line
Operation type	4 strokes Diesel
Bore & Stroke	118,4 x 136 mm [4,66 x 5,35 in]
Compression ratio	16,3 : 1
Rated speed	2300 rpm
Idling speed	650 rpm
Peak torque	1730 Nm
Peak torque speed	1700 rpm

Engine base	John Deere
Fuel system	Direct injection High pressure Common Rail 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 100 Amp
Rating	M3
Emission compliance	IMO Marpol Annex VI EPA marine Tier 3
	NRMM 97/68/EC RCD2 2013/53/EU
Dry weight	948 kg [2089 lbs]



N9.430 CR2 317 kW [431hp] at 2300 rpm

TECHNICAL DESCRIPTION

ENGINE BLOCK

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

FUEL SYSTEM

- Primary & secondary fuel filter
- Common Rail fuel injection system

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

- 24 V / 100 A alternator
- 24 V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-in connection

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
- Flywheel SAE 2

RATINGS

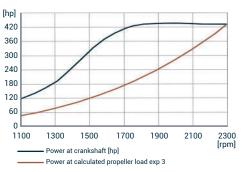
- Up to 4000 annual operating hours
- Load factor up to 50%
- Full power for no more than 4 hours out of each 12 hours of operation. The remaining operation time must be at or below cruising speed.

TRANSMISSIONS

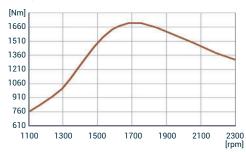
 Contact your Nanni representative for more details and availability about transmissions types and models range

PERFORMANCE CURVES

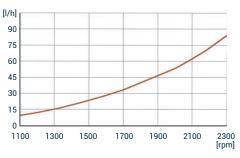
POWER AT CRANKSHAFT



TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS

