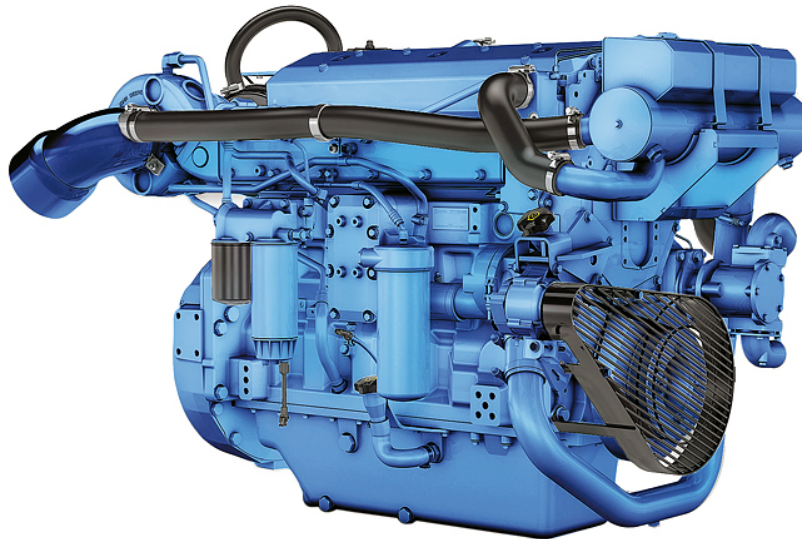


N13.430 CR1

Specifications



Power at crankshaft	317 kW [431 hp]	Engine base	John Deere
Displacement	13.6 l [828 in ³]	Fuel system	Electronically controlled unit injectors
Configuration	6 cylinders in line 4 valves per cylinder	Air intake	Turbocharged Air-to-Coolant aftercooler
Operation type	4 stroke Diesel	Cooling	Closed cooling with heat exchanger
Bore & Stroke	132 x 165 mm [5.2 x 6.5 in]	Mounting angle	12° Front up 0° Front down
Compression ratio	16.0:1	Alternator	24 Volt 100 Amp
Rated speed	1900 rpm	Rating	M2
Idle speed	600 rpm	Emission compliance	IMO Marpol Annex VI NRMM (97/68/EC) Tier 3 EPA marine Tier 3
Peak torque	2204 Nm		
Peak torque speed	1300 rpm		
Dry weight	1410 kg [3108 lb]		

N13.430 CR1

317 kW [431 hp] @ 1900 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
- 24 Volt starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-in connection

Air intake

- Water cooled turbocharger
- Air-to-Coolant aftercooler

Other features

- Flywheel SAE 1
- Damper pulley
- Flexible engine mounting

Optional equipment & 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

RATING

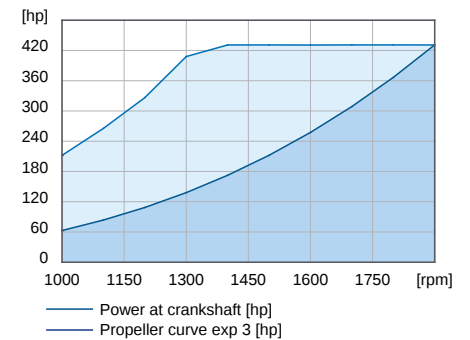
- Up to 5000 annual operating hours
- Load factor up to 65%
- Full power for no more than 16 hours out of each 24 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

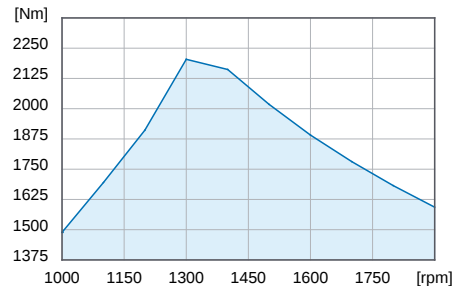
Contact your local dealer for more details and availability for transmission model and type.

PERFORMANCE CURVES

Power at crankshaft

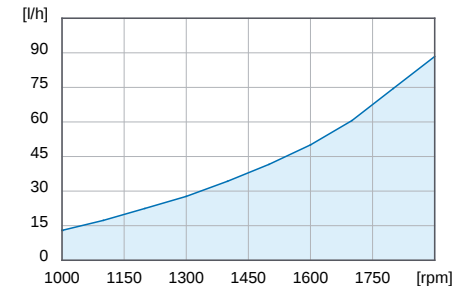


Torque at crankshaft



Fuel consumption

At calculated propeller load exp 3



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Technical data according to ISO 8665. Specifications are subject to change without notice. Images and illustrations may show non standard equipments. All combination of equipment & accessory are not available.

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