

N6.300 CR2

Specifications



Power at crankshaft	224 kW [305 hp]	Engine base	John Deere
Displacement	6.8 l [415 in ³]	Fuel system	Direct injection High pressure Common Rail Electronically controlled
Configuration	6 cylinders in line	Air intake	Turbocharged Air-to-Coolant aftercooler
Operation type	4 stroke Diesel	Cooling	Closed cooling with heat exchanger
Bore & Stroke	106.4 x 127 mm [4.19 x 5 in]	Max mounting angle	0° Front up 12° Front down
Compression ratio	16,7:1	Alternator	24 Volt 50 Amp
Rated speed	2500 rpm	Rating	M3
Idling speed	600 rpm	Emission compliance	IMO Annex VI compliant EPA marine Tier 3 NRMM 97/68/EC RCD2013/53/EU
Peak torque	1095 Nm		
Peak torque speed	1900 rpm		
Dry weight	735 kg [1620 lbs]		

N6.300 CR2

224 kW [305 hp] at 2500 rpm

TECHNICAL DESCRIPTION

Engine block

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

Fuel system

- Primary & secondary fuel filter
- Fuel heater
- 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

- 24V 50A 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 3
- 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

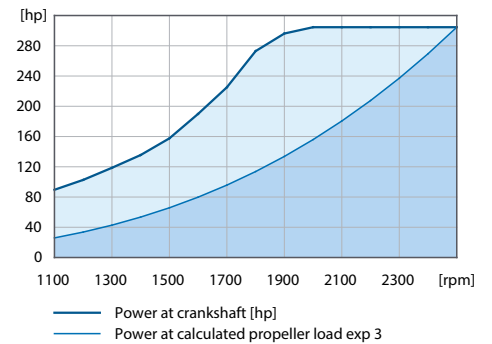
- Up to 4000 annual operating hours
- Load factor up to 50%
- Full power for no more than 4 hours out of each 12 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

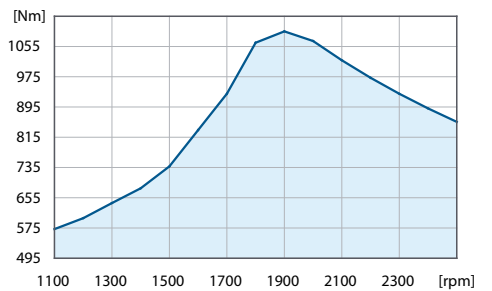
Contact your local dealer for more details and availability for transmission model and type.

PERFORMANCE CURVES

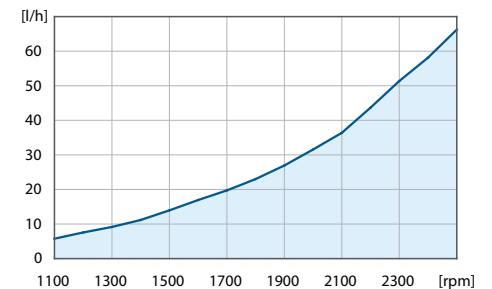
Power at crankshaft



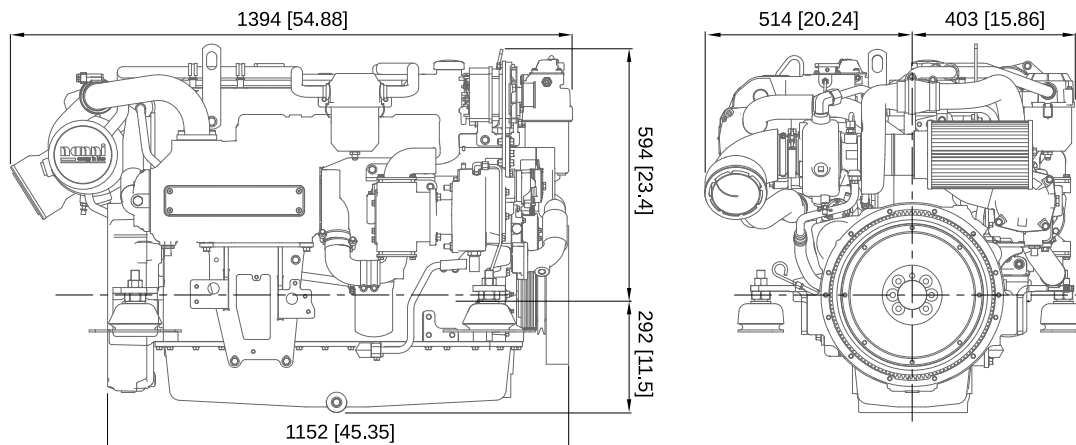
Torque at crankshaft



Fuel consumption



DIMENSIONS BOBTAIL



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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.

20151118-A ENG