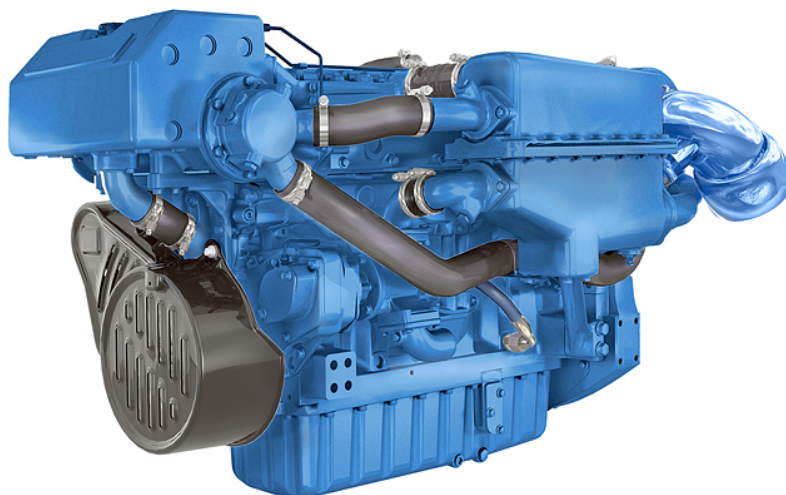


N9.510 CR1

Specifications



Power at crankshaft	373 kW [507 hp]	Engine base	John Deere
Displacement	9 l [547 in ³]	Fuel system	Direct injection High pressure Common Rail Electronically controlled
Configuration	6 cylinders in line 4 valves per cylinder	Air intake	Turbocharged Air-to-seawater aftercooler
Operation type	4 stroke Diesel	Cooling	Closed cooling with heat exchanger
Bore & Stroke	118.4 x 136 mm [4.66 x 5.35 in]	Mounting angle	12° Front up 0° Front down
Compression ratio	16.0:1	Alternator	24 Volt 100 Amp
Rated speed	2400 rpm	Rating	M4
Idle speed	650 rpm	Emission compliance	IMO Marpol Annex VI NRMM (97/68/EC) Tier 2
Peak torque	1755 Nm		
Peak torque speed	1800 rpm		
Dry weight	1066 kg [2350 lb]		

N9.510 CR1

373 kW [507 hp] @ 2400 rpm

TECHNICAL DESCRIPTION

Engine block

- Replaceable wet-type cylinder liners
- 4 valves per cylinder
- Directed top-liner cooling
- 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

- 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-seawater aftercooler

Other features

- Flywheel SAE 2
- 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

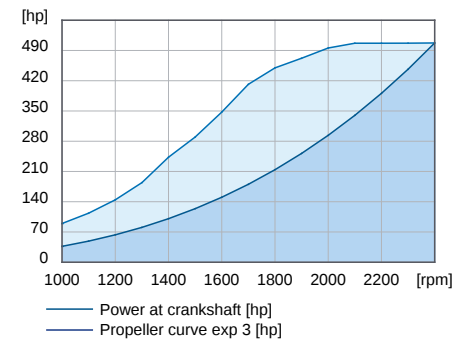
- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no more than 1 hour out of each 12 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

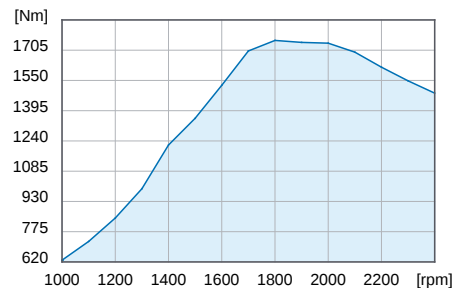
Contact your local dealer for more details and availability for transmission model and type.

PERFORMANCE CURVES

Power at crankshaft

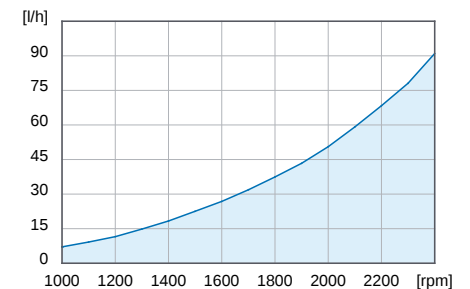


Torque at crankshaft

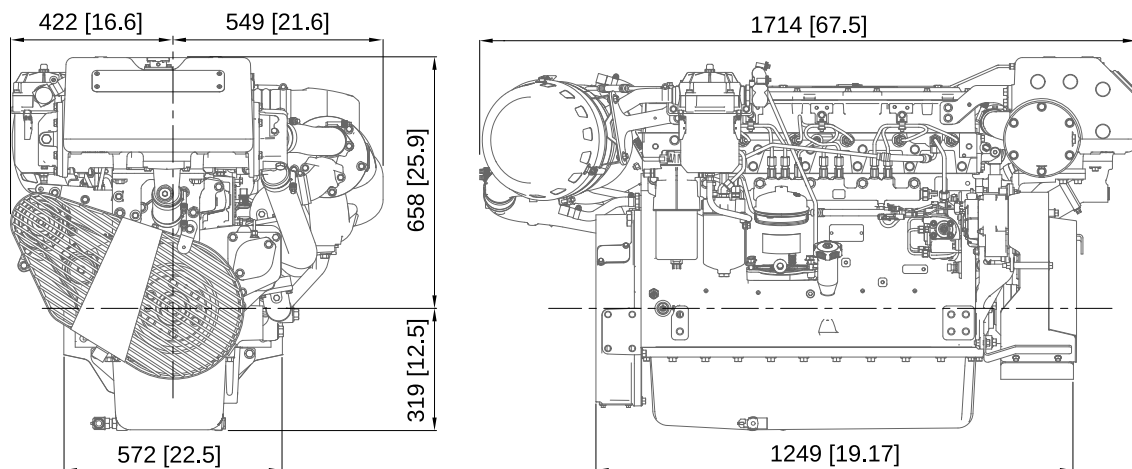


Fuel consumption

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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