

# N4.115E SD

## SPECIFICATIONS



Power at crankshaft	84.6 kW [115 hp]	Engine base	Kubota
Displacement	3.769 l [230 in³]	Fuel system	With Electronic Speed Governor
Configuration	4 cylinders in line	Air intake	Turbocharged with intercooler
Operation type	4 stroke Diesel	Cooling	Closed cooling with heat exchanger
Bore & Stroke	100 x 120 mm [3.94 x 4.72 in]	Max mounting angle	7° Front down 7° Front up
Compression ratio	19.1 : 1	Alternator	12 Volt 120 Amp
Rated speed	2600 rpm	Rating	M4
Idling speed	825 rpm	Emission compliance	RCD 2013/53/EU EPA marine Tier 3 BSO 2
Peak torque	387 Nm	Dry weight with SD15	450 kg [992,06 lbs]
Peak torque speed	1600 rpm		

# N4.115E SD

84.6 kW [115 hp] at 2600 rpm

## TECHNICAL DESCRIPTION

### ENGINE BLOCK

- 4 Cylinders in line
- 4 Valves per cylinder
- Gear driven valve train
- Watercooled exhaust manifold.

### FUEL SYSTEM

- Electronic speed governor
- Cam driven in-line injection pump
- Fuel feed pump
- Fuel filter with hand primer.

### LUBRICATION SYSTEM

- Replaceable full-flow oil filter
- Oil dipstick
- Oil drain pump.

### COOLING SYSTEM

- Closed cooling with heat exchanger
- Gear driven self-priming raw water pump
- Coolant circulating pump
- Water cooled exhaust elbow.

### ELECTRICAL SYSTEM & INSTRUMENTATION

- 12 V Electrical system
- 12 V / 120 A alternator
- Electric starter motor
- Electric stop function
- Instrumentation panel, including Start/ Stop, tachometer, coolant temperature & oil pressure indicators, alarms
- Extension cable harness with plug-and-play.

### AIR INTAKE

- Turbocharged with intercooler
- Mounted air cleaner.

### OTHER FEATURES

- Flexible engine mountings.

### OPTIONAL EQUIPMENTS & ACCESSORIES

- Keel cooling adaptation
- Complete marine propulsion systems
- Throttle and shift controls
- Additional instrumentation, Flying bridge extension harness
- Alternator 24 V - 55 A
- 24 V Electrical system
- Engine mounting adaptation
- Two pole electrical system
- Complete exhaust systems
- Trolling valve.

### RATINGS

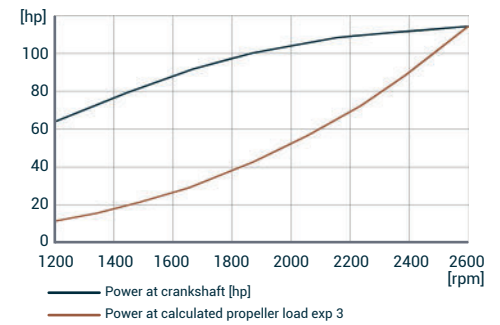
- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no more than 1 hour out of each 12 hours of operation. The remaining time must be at, or below cruising speed
- Recreational boats, Tactical military vessels and Rescue boats.

### TRANSMISSION

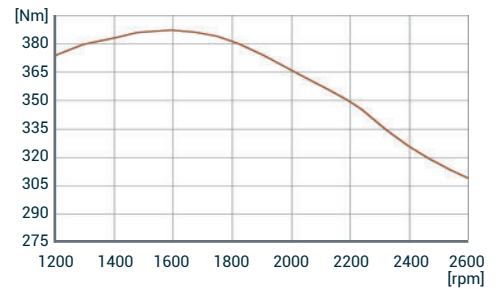
- SD 15 - Standard or Extended leg.

## PERFORMANCE CURVES

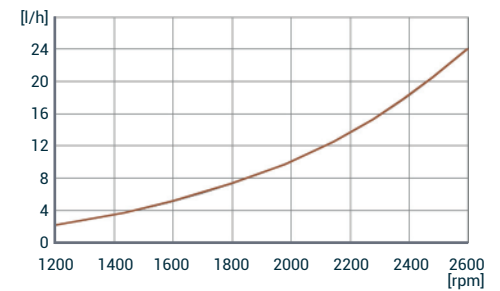
### POWER AT CRANKSHAFT



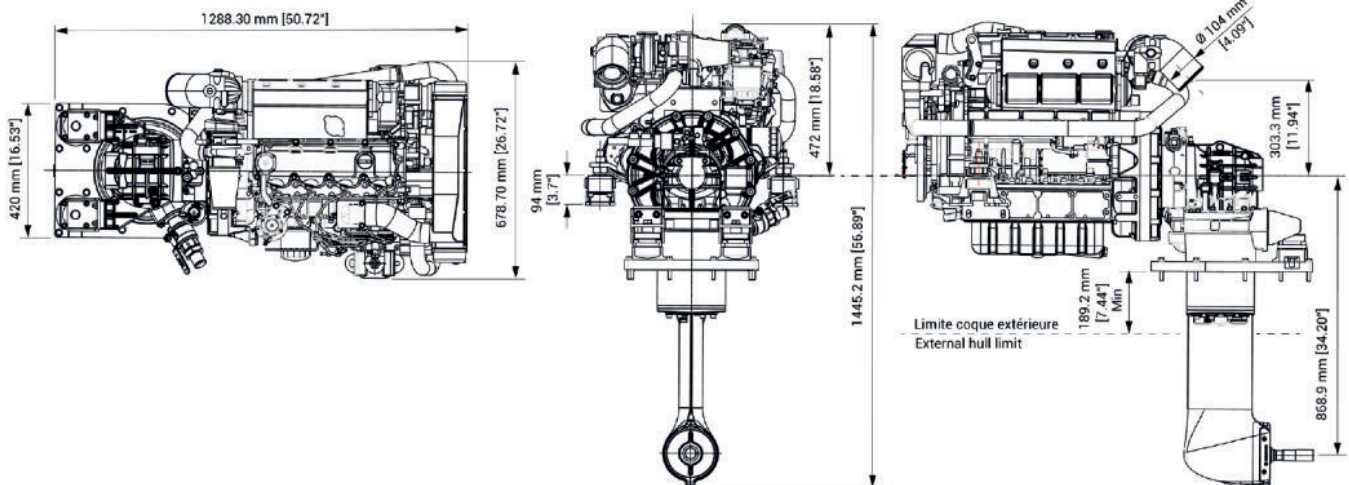
### TORQUE AT CRANKSHAFT



### FUEL CONSUMPTION



## DIMENSIONS



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