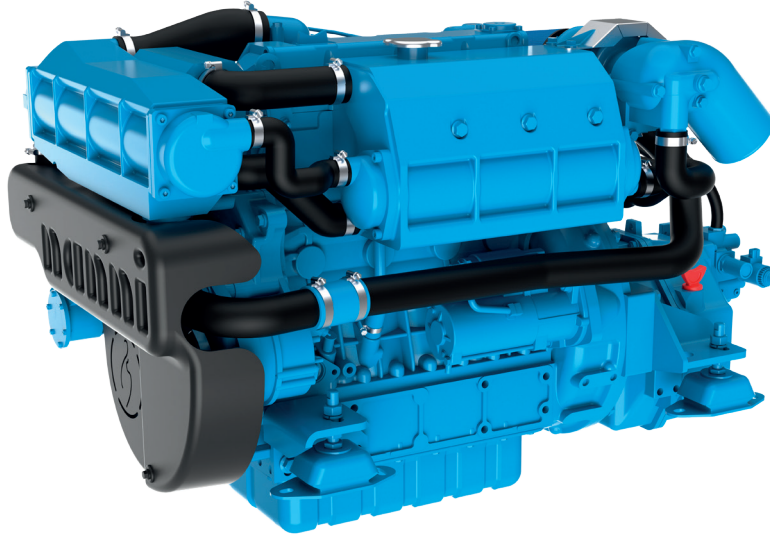


# N4.115

## SPECIFICATIONS



Power at crankshaft	84.6 kW [115 hp]	Engine base	Kubota
Displacement	3.769 l [230 in <sup>3</sup> ]	Fuel system	Mechanical Direct injection
Configuration	4 cylinders in line	Air intake	Turbocharged with intercooler
Operation type	4 strokes 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 TM345A	378 kg [833 lbs]
Peak torque speed	1600 rpm		

# N4.115

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

- Mechanical 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 mounting
- Bracket for control cables

### 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

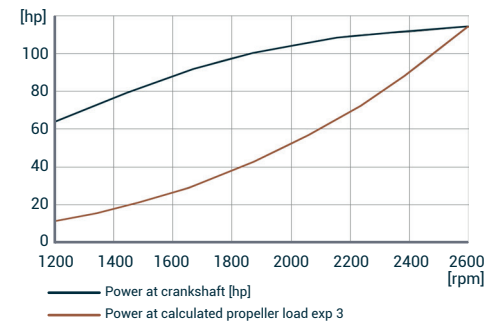
### TRANSMISSIONS

#### SHAFT LINE

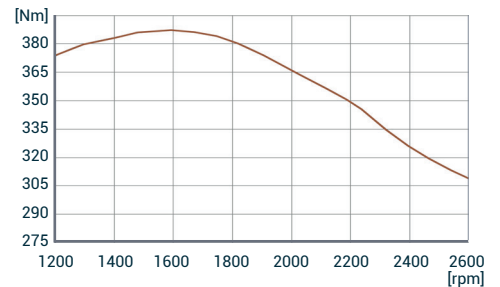
- TM345 - TM345A
- TTM40A
- TTMC5A
- ZF25 - ZF25A26
- ZF45A
- Contact your local Nanni dealer for more details and availability for transmission model and type.

## PERFORMANCE CURVES

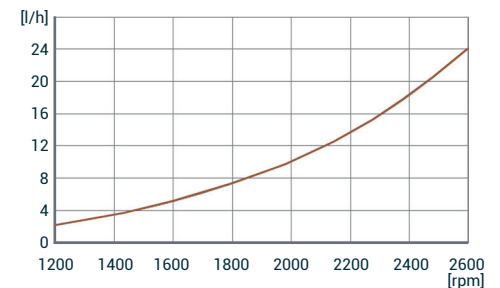
### POWER AT CRANKSHAFT



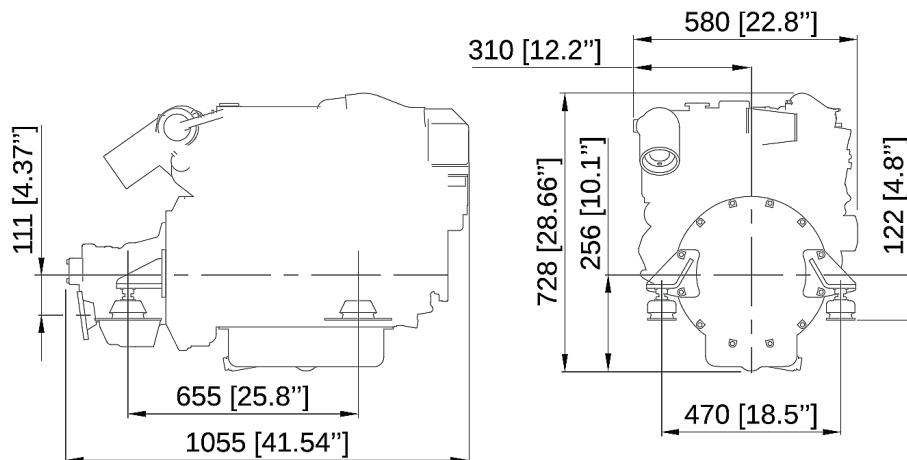
### TORQUE AT CRANKSHAFT



### FUEL CONSUMPTION



## DIMENSIONS WITH TM345A



### NANNI INDUSTRIES S.A.S.

11, Avenue Abbé Mariotte  
33260 La Teste - France  
Tel +33 (0)5 56 22 30 60  
[www.nannienergy.com](http://www.nannienergy.com)

### NANNI SRL

Via degli Olmetti, 44/A  
00060 Formello - Roma - Italia  
Tel +39 06 30 88 42 51  
[www.nannienergy.com](http://www.nannienergy.com)

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