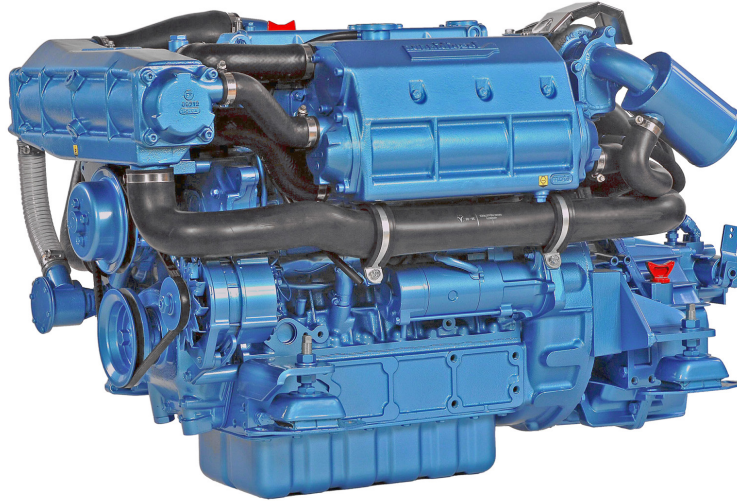


N4.115

Specifications



Power at crankshaft	84.6 kW [115 hp]
Displacement	3.769 l [230 in ³]
Configuration	4 cylinders in line
Operation type	4 stroke Diesel
Bore & Stroke	100 x 120 mm [3.94 x 4.72 in]
Compression ratio	19.1:1
Rated speed	2600 rpm
Idling speed	825 rpm
Peak torque	387 Nm
Peak torque speed	1600 rpm
Dry weight	
with TM345A	378 kg [833 lbs]

Engine base	Kubota
Fuel system	Mechanical Direct injection
Air intake	Turbocharged with intercooler
Cooling	Closed cooling with heat exchanger
Max mounting angle	7° Front up 7° Front down
Alternator	12 Volts 120 Amp
Rating	M4
Emission compliance	RCD 2013/53/EU EPA marine Tier 3 BSO 2

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
- Water cooled 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-in connection

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
- 24 V 55 A alternator
- 24 V Electrical system
- Engine mounting adaptation
- Two pole electrical system
- Water boiler systems
- Stuffing box connections
- Complete fuel systems
- Complete exhaust systems
- Trolling valve

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

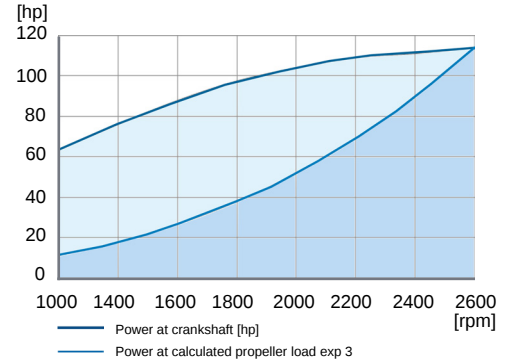
TRANSMISSIONS

Shaft line

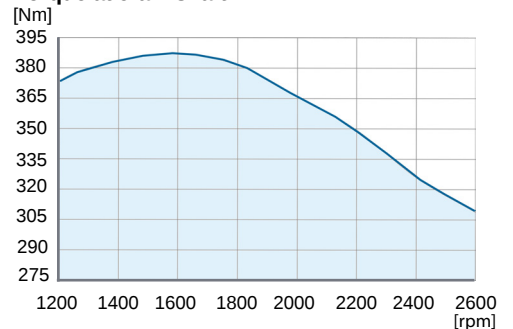
- TM345
- TM345A
- TTM40A
- TTMC5A
- ZF25
- ZF25A26
- ZF45A
- Contact your local Nanni dealer for more details and availability for transmission model and type.

PERFORMANCES CURVES

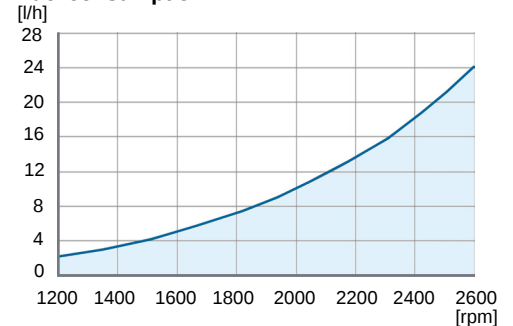
Power at crankshaft



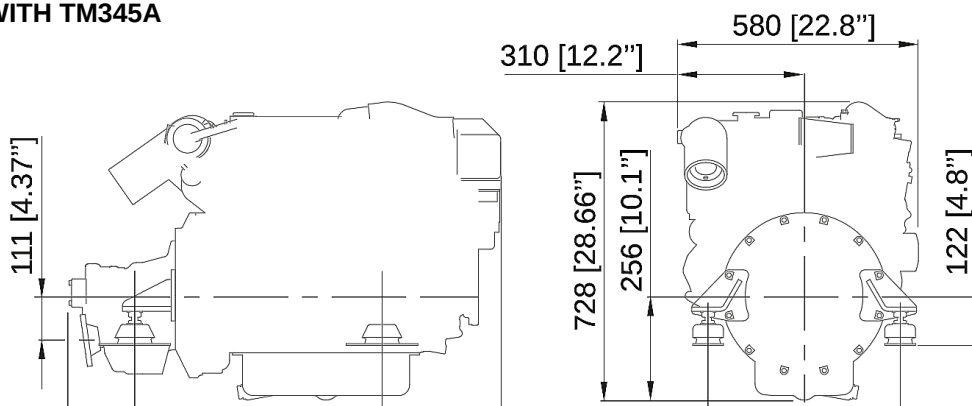
Torque at crankshaft



Fuel consumption



DIMENSIONS WITH TM345A



Nanni Industries S.A.S. France

11, Avenue Mariotte - Zone Industrielle
33260 La Teste - France
Tel: +33 (0)5 56 22 30 60
Fax: +33 (0)5 56 22 30 79

Nanni Trading S.R.L

Via Degli Olmetti, 5/B
00060 Formello (RM) - Italia
Tel: +39 06 30 88 42 51/52/53
Fax: +39 06 30 88 42 54

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

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