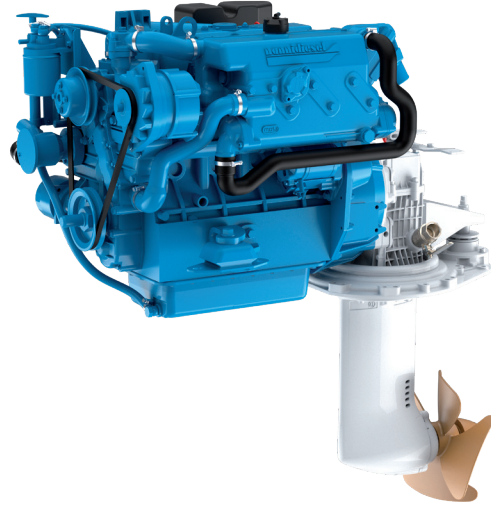
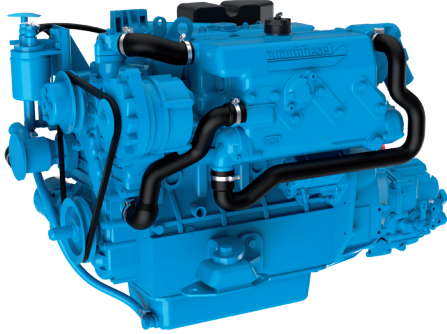


# N4.50

## SPECIFICATIONS



Power at crankshaft	35.42 kW [47.5 hp]
Displacement	2.197 l [134 in <sup>3</sup> ]
Configuration	4 cylinders in line
Operation type	4 strokes Diesel
Bore & Stroke	83 x 92.4 mm [3.27 x 3.64 in]
Compression ratio	22 : 1
Rated speed	2800 rpm
Idling speed	840 rpm
Peak torque	146 Nm
Peak torque speed	1800 rpm

Engine base	Kubota
Fuel system	Mechanical Indirect injection
Air intake	Natural
Cooling	Closed cooling with heat exchanger
Max mounting angle	15° Front down 15° Front up
Alternator	12 Volt 120 Amp
Rating	M4
Emission compliance	RCD 2013/53/EU EPA marine Tier 3 BSO2
Dry weight with TTMC35A	229 kg [504 lbs]

# N4.50

35.42 kW [47.5 hp] at 2800 rpm

## TECHNICAL DESCRIPTION

### ENGINE BLOCK

- 4 Cylinders in line
- Gear-driven valve train
- Water cooled exhaust manifold

### FUEL SYSTEM

- Mechanical governor
- Cam driven in-line injection pump
- Fuel feed pump with hand primer
- Fuel filter

### 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

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

### AIR INTAKE

- 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
- Polyester frame (Sail Drive version)
- Engine mounting adaptation
- Two pole electrical system
- Water boiler systems
- Stuffing box connections
- Complete fuel systems
- Complete exhaust systems
- SOLAS approved version

### 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

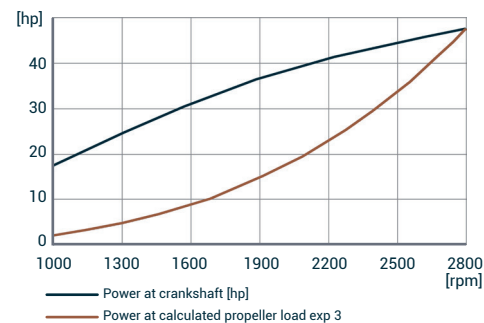
- TTM345A - TM345H
- TMC260
- TMC60
- TTMC35A - TTMC35P
- ZF25 - ZF25M

#### SAIL DRIVE

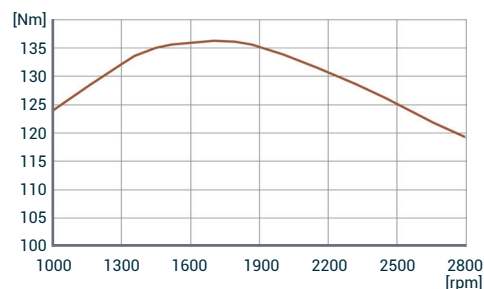
- Sail Drive
- Contact your Nanni representative for more details and availability about transmissions types and models range.

## PERFORMANCE CURVES

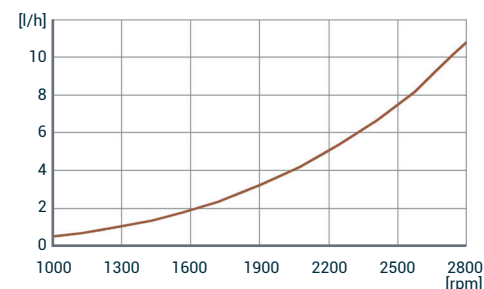
### POWER AT CRANKSHAFT



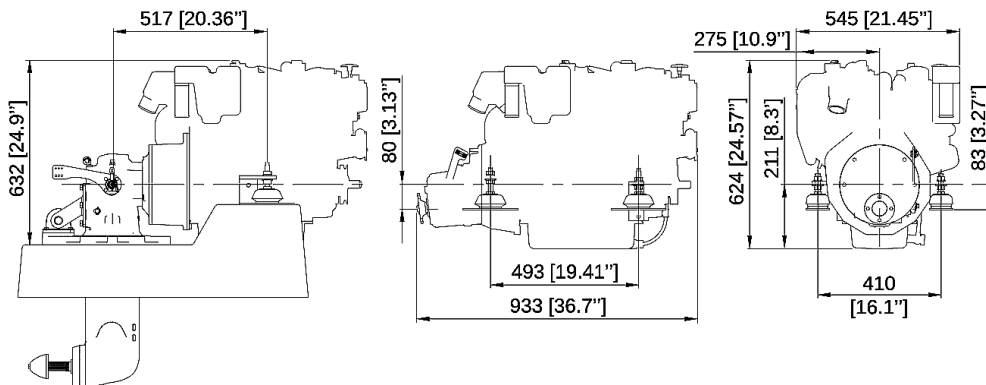
### TORQUE AT CRANKSHAFT



### FUEL CONSUMPTION



## DIMENSIONS WITH TTMC35A



### 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)

Technical data according to ISO 8665. This document is not contractual. Nanni reserves the right to modify any of the characteristics stated in this document without notice, in a constant effort to improve the quality of its products. Images and illustrations may show non standard equipments. All combination of equipment & accessory are not available.

DGBXXC01007B