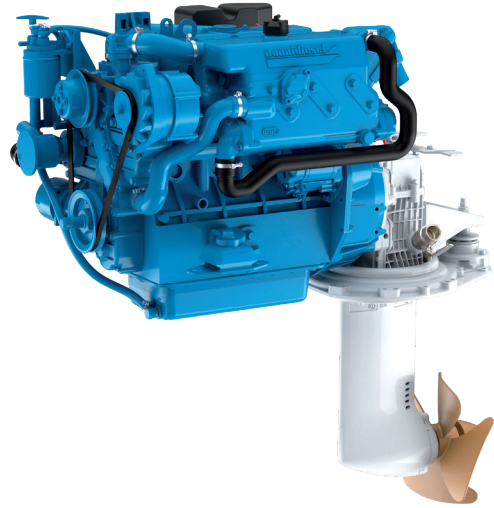
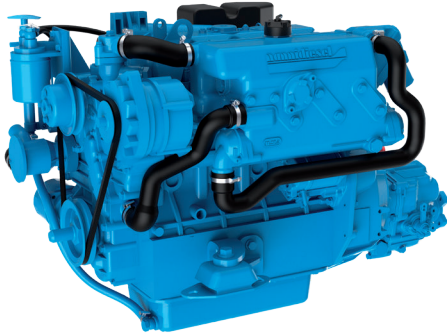


N4.50

SPECIFICATIONS



Power at crankshaft	35.42 kW [47.5 hp]
Displacement	2.197 l [134 in ³]
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

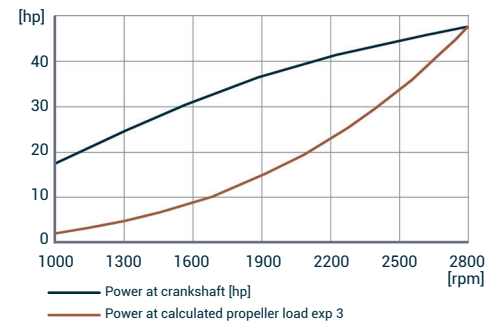
- TTM345A - TM345H
- TMC260
- TMC60
- TTMC35A - TTMC35P
- ZF25 - ZF25M

SAIL DRIVE

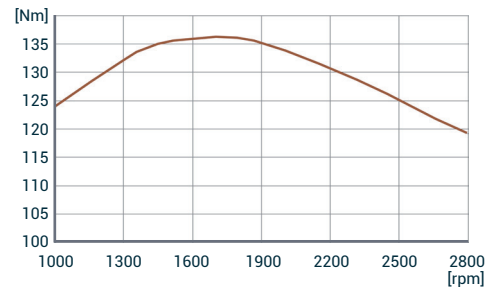
- Sail Drive
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

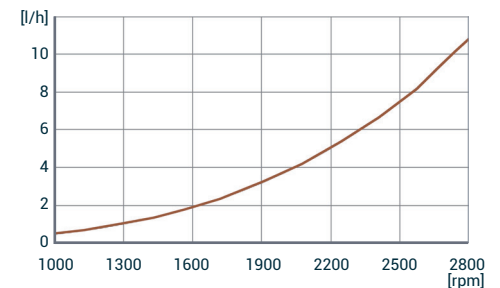
POWER AT CRANKSHAFT



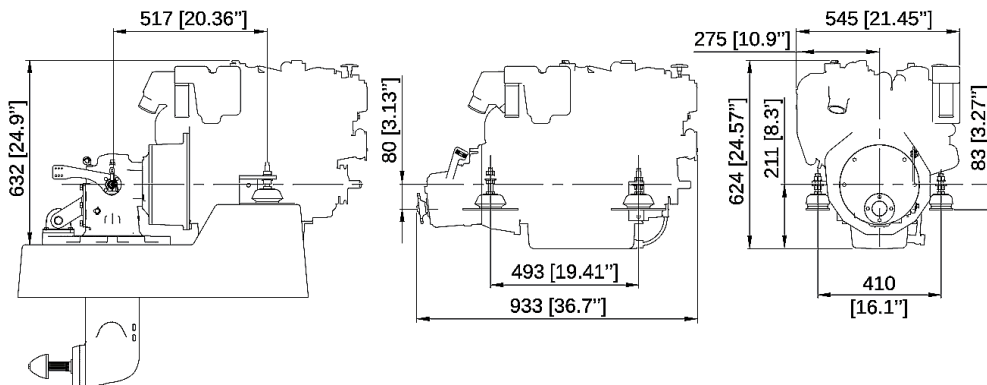
TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS WITH TTMC35A



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