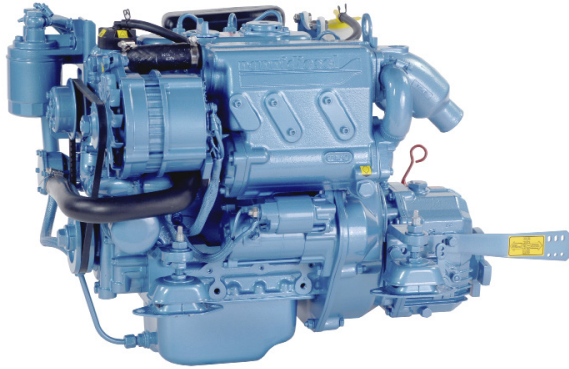


N3.21 Specifications



Power at crankshaft	14.61kW [19.6 hp]
Displacement	0.719 l [44 in ³]
Configuration	3 cylinders in line
Operation type	4 stroke Diesel
Bore & Stroke	67 x 68 mm [2.64 x 2.68 in]
Compression ratio	23.5:1
Rated speed	3600 rpm
Idling speed	1050 rpm
Peak torque	47 Nm
Peak torque speed	2600 rpm
Dry weight	
with TMC40	106 kg [233 lbs]
with Sail Drive SP60	142 kg [313 lbs]

Engine base	Kubota
Fuel system	Mechanical Direct injection
Air intake	Natural
Cooling	Closed cooling with heat exchanger
Max mounting angle	15° Front up 15° Front down
Alternator	12 Volts 70 Amp
Rating	M5
Emission compliance	RCD 2013/53/EU EPA marine Tier 3 BSO 2

N3.21

14.61 kW [19.4 hp] at 3600 rpm

TECHNICAL DESCRIPTION

Engine block

- 3 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 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 70 A alternator
- Electric starter motor
- Electric stop function
- Instrumentation panel, including Start/Stop, tachometer & alarms
- Extension cable harness with plug-in connection

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

RATING

- Up to 1000 annual operating hours
- Load factor up to 35%
- Full power for no more than 30 minutes out of each 8 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

Shaft line

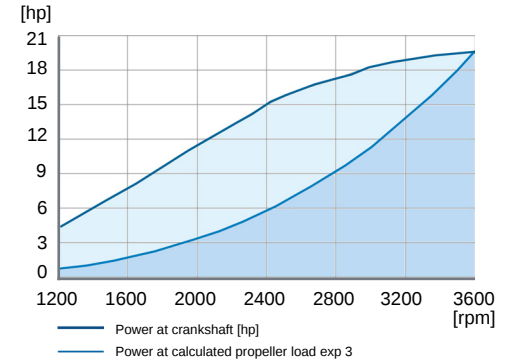
- TMC40
- TTMC35A

Sail Drive

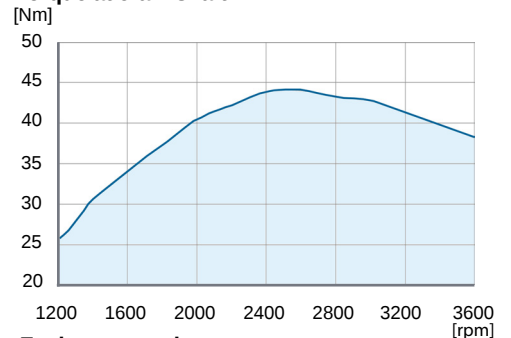
- Sail Drive SP60
- Contact your local Nanni dealer for more details and availability for transmission model and type.

PERFORMANCES CURVES

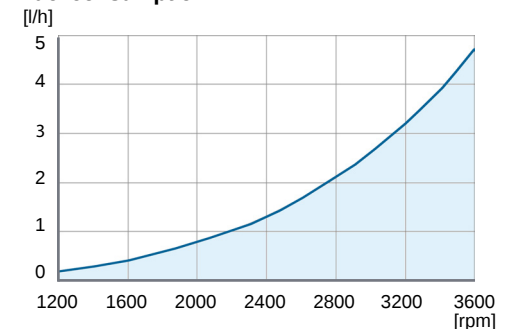
Power at crankshaft



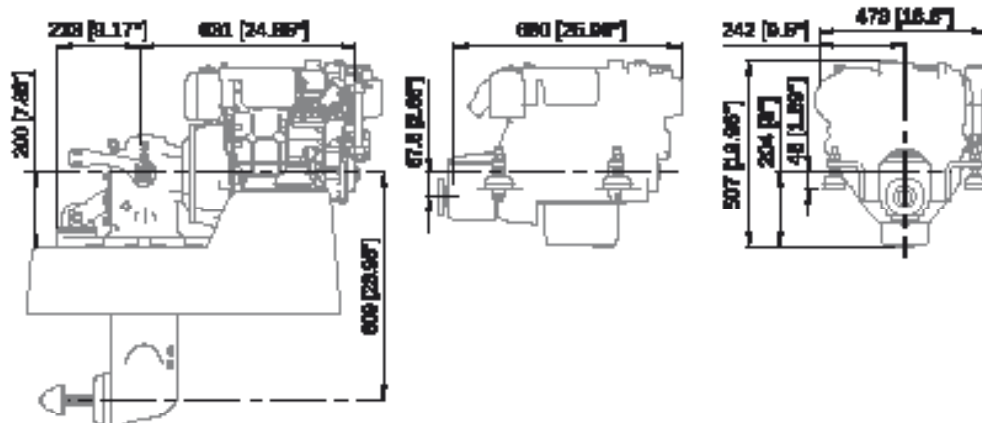
Torque at crankshaft



Fuel consumption



DIMENSIONS WITH SP60 / TMC40



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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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