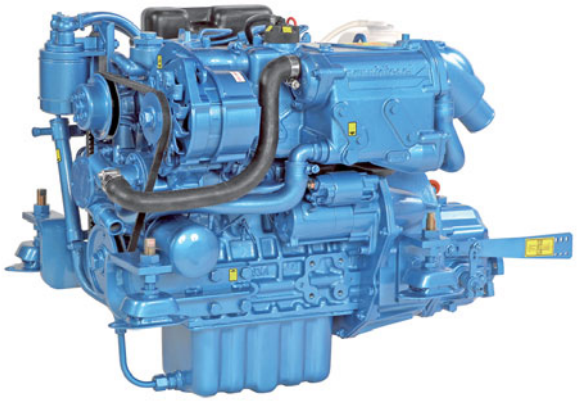
N3.30 engine

21.3 kW (29 hp) at 3600 rpm



Marine Propulsion Specialist

The combination of over 40 years experience with Nanni's engineering team in marinising and complete marine propulsion systems with Kubota's leading technology in diesel engine manufacturing has resulted in the N3.30 becoming the preferred choice for skippers and boat owners around the world.

Reliability and comfort

Kubota engines are renowned for their robust design, reliability and advanced technologies. Add to this the modern marinising equipment including the latest generation of heater changer and you have an engine built for the most arduous of applications providing longevity and low maintenance cost.

With a cast iron cylinder block and cylinder head, timing gears rather than timing belt and direct driven raw water pump maintenance is straightforward and minimal. Quiet smooth running is assured with a high inertia flywheel and a special coating of the pistons which lowers friction and reduces engine vibrations.

Its SOLAS (Safety Of Life At Sea) certification also proves that the engine meets the stringent safety standards currently in effect for lifeboat engines - giving further confidence to the owner.

A complete range of electrical generators developed by Nanni enables the N3.30 to supply all the electricity required for comfort equipment and electronic navigation devices on board.

Protecting the environment

The N3.30 complies with the most stringent emission regulations in the world : EU-RCD, US-EPA and BSO.

The E-TVCS combustion and injection system also considerably reduces particulate emission and smoke throughout the rpm range while dramatically improving fuel efficiency.

Ease of Installation

Its compact size and weight makes this an ideal choice for a new build project or repowering as specially adapted feet and installation kits can be provided to suit most applications making this task much easier.

Main characteristics

- Kubota base engine
- Electrical equipment
- E-TVCS combustion system
- Smooth running and low weight

Available transmissions

- TMC40 (mechanical)
- TTMC35A (mechanical) angle 7°
- TTMC35P (mechanical)
- ZF10M (mechanical)

Applications

- Sailing boat
- Displacement hulls

Technical specifications

Engine base	Kubota
Rated power (kW/hp)*	21,3 / 29
Rated rpm (rpm)*	3600
Displacement (cm^3/in^3)	1123 / 68,53
Number of cylinders	3 in line
Bore and stroke (mm/in)	78 x 78.4
Compression ratio	23:1
Combustion system	Indirect (E-TVCS)
Intake	Naturally aspirated
Cooling	Closed cooling with heat exchanger
El. equipment / Alternator	12V / 100A
Instrument panel	A4
Transmission	Mechanical or hydraulic gearbox Sail Drive SP60 ratio. 2.38:1
Engine Max Install. Angle	15° (dynamic)
Certifications	EPA, EU-RCD, BSO, SAV, SOLAS
Dry weight with TMC40 (kg/lb)	145 / 319,7
Dry weight with Sail Drive (kg/lb)	180 / 396

Connections diameter

Exhaust (mm/in)	50 / 2
Fuel (mm/in)	8 / 0.31
Sea Water (mm/in)	25 / 1

* At engine flywheel, according to ISO 8665-1

www.nannidiesel.com

Quality MARINE ACCESSORIES by Nanni Diesel

N3.30 engine

21.3 kW (29 hp)

Standard equipment

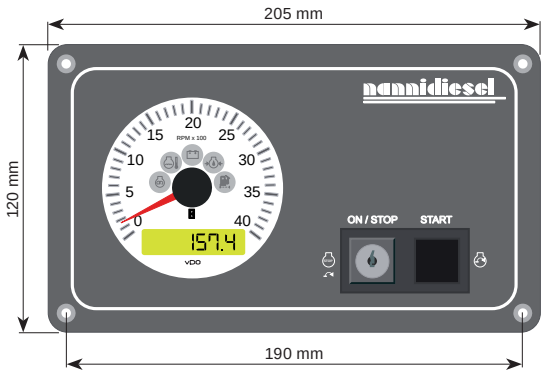
- Polyester frame (for Sail Drive version)
- Warranty certificate
- Fresh Water Cooled Exhaust Manifold
- Exhaust elbow
- Closed cooling with heat exchanger
- 4 meter electrical harness
- Fuel filter
- Oil filter
- Mechanical or hydraulic gearbox or Sail Drive
- Owner's manual
- Sea water pump
- Coolant circulating pump
- In line injection pump
- Fuel feed pump
- Oil extraction pump
- Control cables mounting points
- Flexible engine mounts
- Electrical system 12V
- Thermostat

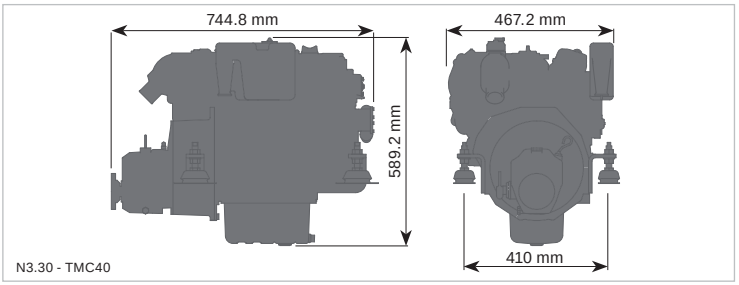
Optional equipment

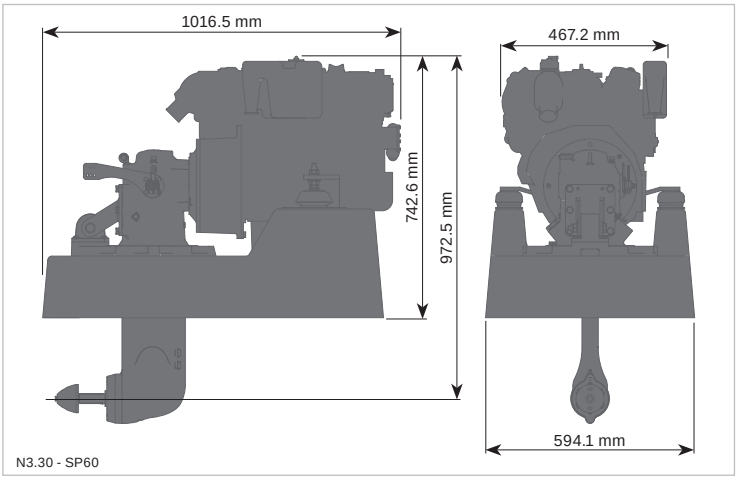
- Additional alternators
- Keel Cooling
- Two pole electrical system
- PTO Pulley
- Remote control
- Sea water hoses
- Fuel hoses
- Sea water filter
- Flexible coupling
- Exhaust system

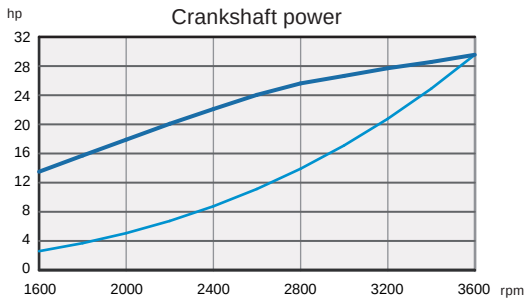
A4 panel

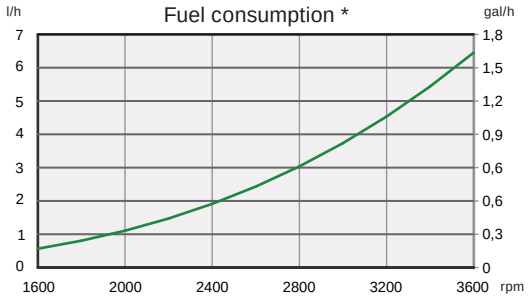
- Tachometer and hour meter / Voltmeter
- Ignition key / Start button
- Battery charge warning light
- Engine oil pressure warning light
- Water in fuel filter warning light
- Coolant temperature warning light
- Preheating warning light

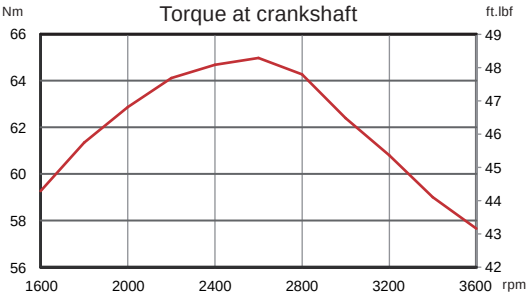












Crankshaft power (hp)
Power calculated at propeller exp 3

*Fuel consumption calculated at propeller load exp 3

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