

N3.30 Engine

21.3 kW (29 hp) at 3600 rpm



Marine Propulsion Specialist

The combination of over 40 years experience with Nanni Diesel'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 Diesel 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 re-powering – 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 injection system
- Smooth running
- Compact 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 / 3.07 x 3.08
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	A3
Transmission	Mechanical or hydraulic gearbox Sail Drive SD10 ratio. 2.52:1
Engine Max. Install. Angle	15°(dynamic)
Certifications	EPA, EU-RCD, BSO, SAV, SOLAS
Dry weight with TMC 40 (kg/lb)	145 / 319,7
Dry weight with Sail Drive (kg/lb)	183 / 403,5
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



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Standard equipment

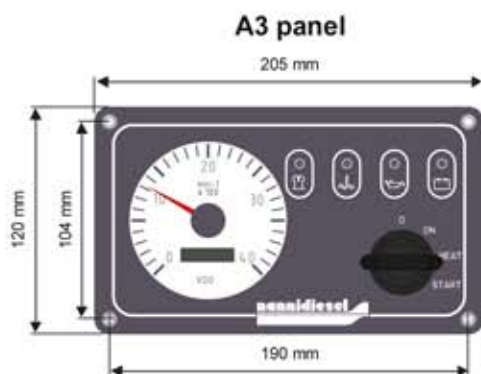
- A3 Instrument panel
 - Tachometer / Hour meter
 - Oil pressure warning light and acoustical alarm
 - Water temperature warning light and acoustical alarm
 - Alternator warning light
 - Glow plug pilot light
 - Ignition start key
- Warranty certificate
- Fresh Water Cooled Exhaust Manifold
- Exhaust elbow
- Closed cooling with heat exchanger
- 4 meter electrical harness
- Fuel filter
- Oil filter
- Mechanical 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 12 V
- Thermostat

Optional accessories

- Additional alternators
- Keel Cooling
- Two pole electrical system
- PTO Pulley
- B3 Instrument panel

Optional equipment

- Remote control
- Sea water hoses
- Fuel hoses
- Sea water filter
- Flexible coupling
- Exhaust system



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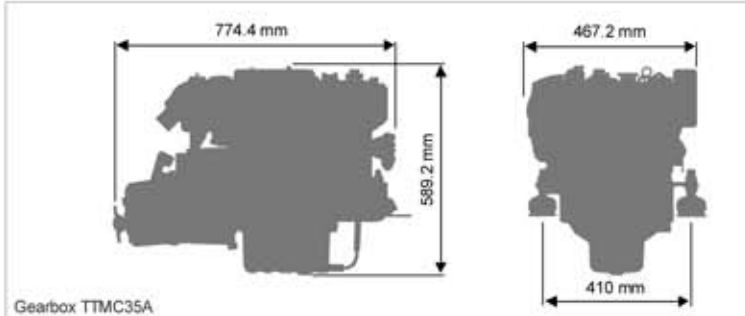
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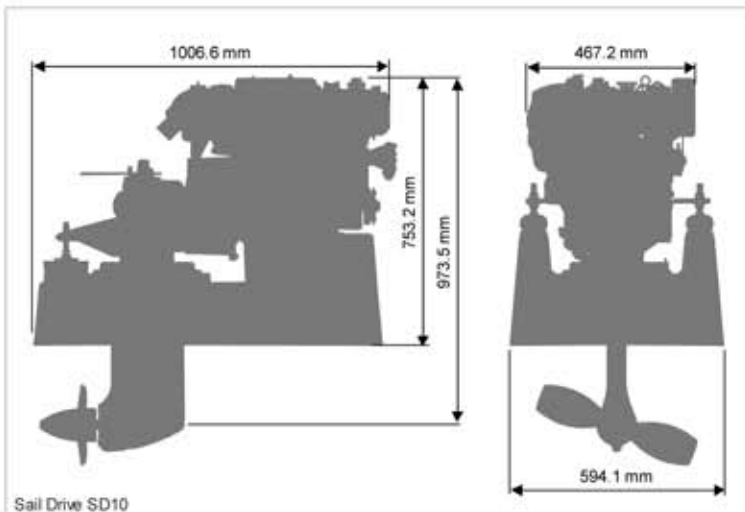
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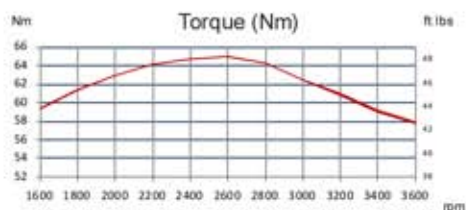
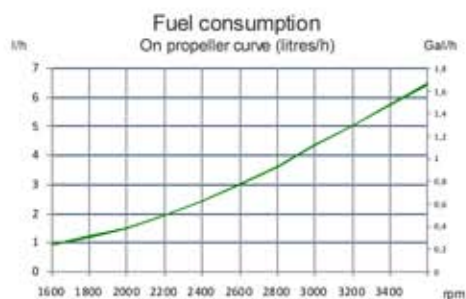
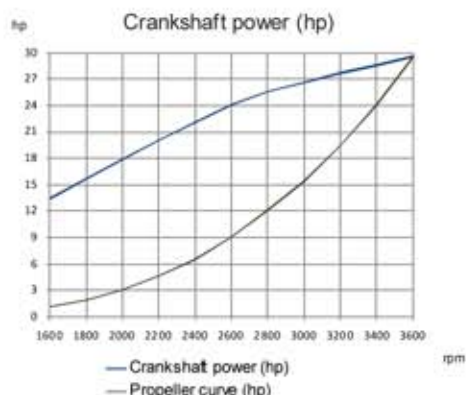


Gearbox TTMC35A



Sail Drive SD10

The shown models are not necessarily identical to current production



Your dealer

Certified ISO
9001 : 2000

