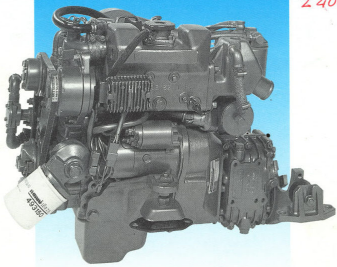
MARINE DIESEL ENGINES

2.40 HE

7,8 KW (10,6 HP)

Z 400 - B



NANNI DIESEL 2.40 HE, is a 2 cylinder in line 400cc based on KUBOTA. The smallest engine of our range is a 2 cylinder with heat exchanger. Read the following characteristics : you will notice the differences!

NANNI DIESEL "MAKES EASY INSTALLATION"

The engine is supplied complete, ready to be installed in any type of boat.
All service points are accessible from the front of the engine making checks and maintenance simple.

NANNI DIESEL "THE HEAT EXCHANGER"

All our engines are equipped with a heat exchanger which guarantees optimal working temperature, good combustion and long life.
The heat exchanger can also supply heat to a calorifer and heating system.

NANNI DIESEL "INDIRECT INJECTION"

The pre-combustion chamber, and the glow plugs, guarantee quick starts. Compared with other small engines, ours deliver the power quickly which greatly helps in manoeuvring.

NANNI DIESEL "THE DIPLOMAT"

Keeping all benefits from top research and development by KUBOTA, our engines are leaders of the antipollution field. Low noise level, low vibrations, low exhaust emission, quiet and smooth we know how to make them quiet and unobtrusive.

NANNI DIESEL "THE SERVICE"

As official marinizer of KUBOTA, we give service all over the world.
Our dealer network extends to more than 30 countries and through our 450 service points we offer maintenance, spare parts and documentation.

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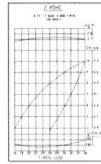
MARINE PROPULSION

11 Nov 1993

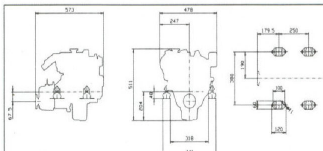
2.45 HE Eco - 7,3 KW (10 CH/*HP*)

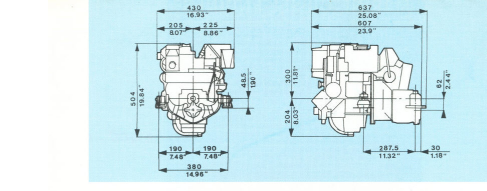


Spécifications techniques/*Technical specifications*

Type moteur	2.45 HE - eco	*Engine type*	*2.45 HE - eco*
Base	Kubota	*Basis*	*Kubota*
Carburant	Diesel	*Fuel*	*Diesel*
	Atmospheric	*Aspiration*	*Atmospheric*
Injection	Indirecte (E-TVCS)	*Injection*	*Indirect (E-TVCS)*
Configuration	Verticale 4 temps	*Principle*	*Vertical 4 stroke*
Refroidissement	Echangeur	*Cooling*	*Heat Exhangeur*
Cylindrée	479 cm³	*Displacement*	*479 CC (29,2 ci)*
Alésage-Course	67 x 68	*Borelstroke*	*67 x 68 (2.64"x 2.68")*
Taux de compression	23/1	*Compression ratio*	*23/1*
Nombre de cylindres	2 en ligne	*Number of cylinders*	*2 in line*
Poids (avec inverseur)	91 kg	*Weight (incl.gearbox)*	*91 Kg*
Puissance maxi (volant)	7,3 KW (10 CH)	*Max power*	*7.3 KW (10 HP)*
Régime maxi	3 600 tr/min	RPM at max output	*3 600*
Rendement inverseur	Environ 95%	*Gearbox efficiency*	*Approx 95%*
Alternateur	60 A 14 V	*Alternator*	*60 A 14 V*
Démarreur	0,8 KW 12 V	*Starter motor*	*0.8 KW 12 V*
Inverseur réducteur	TMC 40-2:1 ou 2,6/1	*Reduction gearbox*	*TMC 40 2/1 or 2,6/1*
Diamètre nominal		*Diameter nominal*	
Echappement	40 mm	*Exhaust*	*40 mm (1.57")*
Carburant	8 mm	*Fuel pipe*	*8 mm (0.31")*
Eau de mer	20 mm	*Seawater intake*	*20 mm (0.79")*
Angle montage maxi	15°	*Installation angle*	*15°*
Inclinaison latérale		*Lateral angle*	
Continu	20°	*Continuous*	*20°*
Intermittent	30°	*Intermittent*	*30°*

Les spécifications sont sujettes à modification sans préavis. Elles sont définies pour utilisation plaisance uniquement. Pour toute autre utilisation, nous consulter. *Specifications subject to change without notice. These specifications are for pleasure application only, for other uses please consult us.*

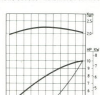




TECHNICAL SPECIFICATIONS

ENGINE TYPE	2.40 HE
BASIS	KUBOTA
FUEL	DIESEL
INJECTION	INDIRECT
PRINCIPLE	VERTICAL - 4 STROKE
COOLING	HEAT EXCHANGER
DISPLACEMENT	400 CC (24,4 CU.INCH)
BORE / STROKE	64 X 62,2
COMPRESSION RATIO	23/1
NUMBER OF CYLINDERS	2 IN LINE
WEIGHT (INCL. GEARBOX)	84 KG
MAX POWER	7,8 KW (10,6 HP)
RPM AT MAX OUTPUT	3.600
GEARBOX EFFICIENCY	APPROX 95 %
ALTERNATOR	12 A 14 V
STARTER MOTOR	0,7 KW 12 V
REDUCTION GEARBOX	HBW 50
DIAMETER NOMINAL	
EXHAUST	40 MM (1,57")
FUEL PIPE	6 MM (0,24")
SEAWATER INTAKE	12 MM (0,47")
INSTALLATION ANGLE	15°
HEELING ANGLE	
CONTINUOUS	20°
INTERMITTENT	30°

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



DISTRIBUTED BY :

STANDARD EQUIPMENT

- Heat exchanger
- Fresh water pump
- Thermostat
- Sea water pump
- Fresh water cooled exhaust manifold
- Exhaust elbow with water injection
- In line injection pump
- Fuel feed pump
- Fuel filter
- Oil filter
- Oil drain pump
- Electric system 12 V
- Electric stop
- REMOTE INSTRUMENT PANEL A :
  - oil pressure pilot light and acoustical alarm
  - water temperature pilot light and acoustical alarm
  - alternator pilot light
  - glow plug pilot light
  - start key
  - stop push button
  - voltmeter
  - water temperature gauge
- 4 mt intermediate wiring
- Gearbox
- Control cables mounting points
- Flex mount
- Set of tools
- Operator's manual
- Warranty certificate

ACCESSORIES

- Bilge pump
- Alternator 35 A 14 V and panel A1 with tachometer
- Two-pole electric system
- PTO pulley
- Coupling
- Stemgear
- Propeller
- Remote control
- Remote cables
- Sea water hoses
- Fuel hoses
- Sea water filter

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33290 LA TESTE - FRANCE
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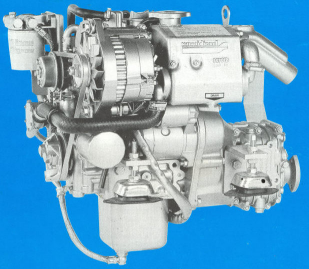
Diesel marine engines

2.50 HE - 10.3 kW (14 hp)



You own a sailing boat or a cabin cruiser

The economical, compact, and powerful KUBOTA-based NANNI DIESEL 2.50 HE is a 479 cm^3, 2 single-cylinder engine. Its technical specifications and performance are particularly well-suited to the requirements of both leisure craft and small coastal fishing vessels, combining power and reliability with compactness.

You want your engine to be easily accessible

The smaller your boat, the more vital it is to design engines that provide easy access to the various parts and control points. The marine adaptation of the 2.50 HE engine highlights easy installation and maintenance, especially in confined spaces. All NANNI engines, including the 2.50 HE, are supplied fully equipped and ready to install in any type of boat.

You want a reliable engine

All NANNI engines are equipped with a double cooling-circuit heat-exchanger system (sea water and fresh water). The «sea water» circuit is used only for the heat exchanger. As the salt water does not circulate inside the engine, there is no corrosion and the engine's life-expectancy is considerably prolonged. This heat exchanger can also be used to supply a water-heater or on-board heating system.

You demand excellent performance

You usually have to be patient to start a diesel engine – but not a NANNI DIESEL! It is equipped with a brand new model of precombustion chamber and heater plugs to ensure a quick start. You also need to be able to call on the engine's full power immediately, especially during manoeuvres in harbour and all models in the NANNI range respond instantaneously as needed.

You are ahead of your time

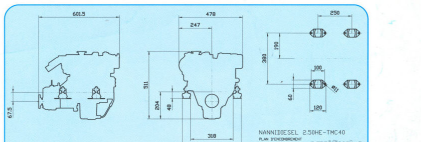
If you are as concerned about pollution issues as you are about your own comfort, you will be glad to know that, thanks to many years of research carried out by KUBOTA, NANNI DIESEL engines are now leaders in the fight against pollution. Their low noise and vibration levels and minimal exhaust smoke, designed to meet the RSD STAGE II standard, make NANNI DIESEL engines unlike any other diesel you have ever known.

You know you can count on us

Wherever you go, we will be there. As official marine adapters of KUBOTA technology, we are at your service, worldwide. Our 450 Service Centres in 49 countries guarantee maintenance, parts supply, and documentation wherever you go around the world.

nanni diesel
MARINE PROPULSION

leading through innovation



Technical specifications

Engine type	2.50 HE
Basis	Kubota
Fuel	Diesel
Aspiration	Atmospheric
Injection	Indirect (New TVCS)
Principle	Vertical 4 stroke
Cooling	Heat Exhangeur
Displacement	479 CC
Bore/stroke	67 x 68
Compression ratio	23/1
Number of cylinders	2 in line
Weight (incl. gearbox)	92 Kg
Max power	10.3 KW (14 hp)
RPM at max output	3 600
Gearbox efficiency	Approx 95%
Alternator	60 A 14 V
Starter motor	0.8 KW 12 V
Reduction gearbox	2R or 3R
Diameter nominal	
Exhaust	40 mm (1.57")
Fuel pipe	8 mm (0.31")
Seawater intake	20 mm (0.79")
Installation angle	15°
Helling angle	
Continuous	20°
Intermittent	30°

Specifications subject to change without notice. These specifications are for pleasure application only, for other uses please consult us.

Standard equipment

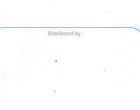
- Heat exchangeur
- Fresh water pump
- Thermostat
- Sea water pump
- Fresh water cooled exhaust manifold
- Exhaust elbow with water injection
- In line injection pump
- Fuel feed pump
- Fuel filter
- Oil filter
- Oil drain pump
- Electric system 12 V
- Electric stop
- REMOTE INSTRUMENT PANEL A2 : oil pressure pilot light and acoustical alarm water temperature pilot light and acoustical alarm alternator pilot light glow plug pilot light start key stop push botton tachometer hour counter
- 4 int intermediate wiring
- Gearbox
- Control cables mounting points
- Flex mount
- Set of tools
- Operator's manual
- Warranty certificate

For yard type, contact us.

Accessories

- Two-pole electric system
- PTO pulley
- Coupling
- Sterngear
- Propeller
- Exhaust system
- Remote contrat
- Remote cables
- Sea water hoses
- Fuel hoses
- Sea water filter
- B2 panel

The standard instrument panel can be replaced by the instrument panel B2, same functions as A2 with : Water temperature gauge



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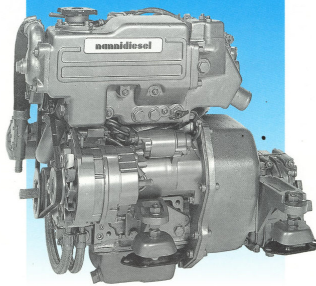
MARINE PROPULSION

MARINE DIESEL ENGINES

2.60 HE

11 KW (15 HP)

ZH 600-B



NANNI DIESEL 2.60 HE, is a 2 cylinder in line 570 cc based on KUBOTA. It can be installed in pleasure, sport and fishing-boats and auxiliary for sail boats.
This engine can also be used for professional applications.
Read the following characteristics: you will notice the differences!

NANNI DIESEL "MAKES EASY INSTALLATION"
The engine is supplied complete, ready to be installed in any type of boat.
All service points are accessible from the front of the engine making checks and maintenance simple.

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All our engines are equipped with a heat exchanger which guarantees optimal working temperature, good combustion and long life.
The heat exchanger can also supply heat to a calorifer and heating system.

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The pre-combustion chamber, and the glow plugs, guarantee quick starts. Compared with other small engines, ours deliver the power quickly which greatly helps in manoeuvring.

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Keeping all benefits from top research and development by KUBOTA, our engines are leaders of the antipollution field. Low noise level, low vibrations, low exhaust emission, quiet and smooth we know how to make them quiet and unobtrusive.

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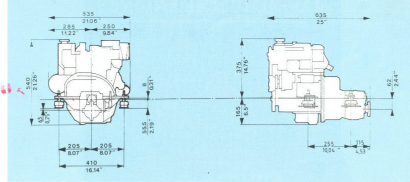
MARINE PROPULSION



TECHNICAL SPECIFICATIONS

ENGINE TYPE	2.60 HE
BASIS	KUBOTA
FUEL	DIESEL
INJECTION	INDIRECT
PRINCIPLE	VERTICAL - 4 STROKE
COOLING	HEAT EXCHANGER
DISPLACEMENT	570 CC (34,8 CU.INCH)
BORE / STROKE	72 X 70
COMPRESSION RATIO	22/1
NUMBER OF CYLINDERS	2 IN LINE
WEIGHT (INCL. GEARBOX)	115 KG
MAX POWER	11 KW (15 HP)
RPM AT MAX OUTPUT	3.600
GEARBOX EFFICIENCY	APPROX 95 %
ALTERNATOR	35 A 14 V
STARTER MOTOR	0,8 KW 12 V
REDUCTION GEARBOX	HBW 50
DIAMETER NOMINAL	
EXHAUST	40 MM (1,57")
FUEL PIPE	6 MM (0,24")
SEAWATER INTAKE	15 MM (0,59")
INSTALLATION ANGLE	15°
HEELING ANGLE	
CONTINUOUS	20°
INTERMITTENT	30°

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

STANDARD EQUIPMENT

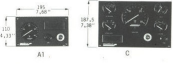
- Heat exchanger
- Fresh water pump
- Thermostat
- Sea water pump
- Fresh water cooled exhaust manifold
- Exhaust elbow with water injection
- In line injection pump
- Fuel feed pump
- Fuel filter
- Oil filter
- Oil drain pump
- Electric system 12 V
- Electric stop
- REMOTE INSTRUMENT PANEL A1:
  - oil pressure pilot light and acoustical alarm
  - water temperature pilot light and acoustical alarm
  - alternator pilot light
  - glow plug pilot light
  - start key
  - stop push button
  - tachometer
- 4 mt intermediate wiring
- Gearbox
- Control cables mounting points
- Flex mount
- Set of tools
- Operator's manual
- Warranty certificate

ACCESSORIES

- Bilge pump
- Two pole electric system
- PTO pulley
- Coupling
- Sterngear
- Propeller
- Exhaust system
- Remote control
- Remote cables
- Sea water hoses
- Fuel hoses
- Sea water filter

The standard instrument panel can be replaced by the instrument panel C, same functions as A1 with:

- voltmeter
- water temperature gauge
- Oil pression gauge
- Hour counter



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