

## Engine H4.170

125.1 kW (170 hp) at 4000 rpm

### Comfort through innovation

The Nanni Diesel 4-cylinder engine H4.170 has been developed taking advantage of the latest improvements in terms of modern diesel engines.

Endowed with an electronically controlled Common Rail direct injection system, 4 valves per cylinder, a turbo compressor and two balance shafts, this engine ensures upscale performance and complies with the most stringent emission regulations in the world, while maintaining low values of fuel consumption.

### Saving space and weight

Installation and maintenance into small machine rooms are made easy thanks to a well-integrated marinisation together with the compact design of the lubrication, cooling and air systems.

Further to its size advantage, this 170 horsepower engine benefits from a remarkable power to weight ratio.

### Dynamic and responsive

The high rotation speed of the H4.170 is particularly adapted to planning and fast hulls, both in shaft line than Stern Drive versions.

A 700 rpm idle speed will be highly appreciated for fishing-trawling, and for manoeuvres in the harbour, as well.

### Protecting the environment

The common rail injection associated to an efficient cooling system enable this engine to comply with EPA Tier 2 and EU-RCD emissions regulations.

### Main characteristics

- Common Rail injection system
- Turbo & Intercooler
- Two balance shafts
- High Rpm speed

### Available transmissions

- ZF25A (hydraulic) 1.9R
- ZF45A (hydraulic) 2.4R
- TTM40A (hydraulic)
- Stern Drive\*

### Applications

- Semi-planning hulls
- Planning hulls

### Technical specifications

Engine base	VM Motori
Rated power (kW/hp)*	125.1 / 170
Rated rpm (rpm)*	4000
Displacement (cm <sup>3</sup> /in <sup>3</sup> )	1991 / 121.5
Number of cylinders	4 in line
Bore and stroke (mm/in)	83 x 92 / 3.26 x 3.62
Compression ratio	17.5 : 1
Combustion system	Common Rail (Direct)
Intake	Turbo compressor & Intercooler
Cooling	Closed cooling with heat exchanger
El. equipment / Alternator	12V / 110A
Instrument panel	C4 Common Rail
Transmission	Hydraulic gearbox or Stern Drive
Engine Max Install. Angle	15°
Certifications	US EPA Tier 2, EU-RCD
Dry weight without gearbox (kg/lb)	250 / 551

### Connections diameter

Exhaust (mm/in)	90 / 3.54
Fuel (mm/in)	10 / 0.39
Sea Water (mm/in)	38 / 1.49

\* At engine flywheel, according to ISO 8665-1

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## Standard equipment

- C4 instrument panel
- Exhaust elbow
- Closed cooling with heat exchanger
- 4 meters electrical harness
- Fuel filter with water detector
- Oil filter
- Sea water pump
- Coolant circulating pump
- Fuel feed pump
- Control cables mounting points
- Integrated oil and fuel cooler
- Engine flexible mounts
- Electrical system 12 V
- Thermostat
- Warranty certificate
- Owner's Manual

## Optional accessories

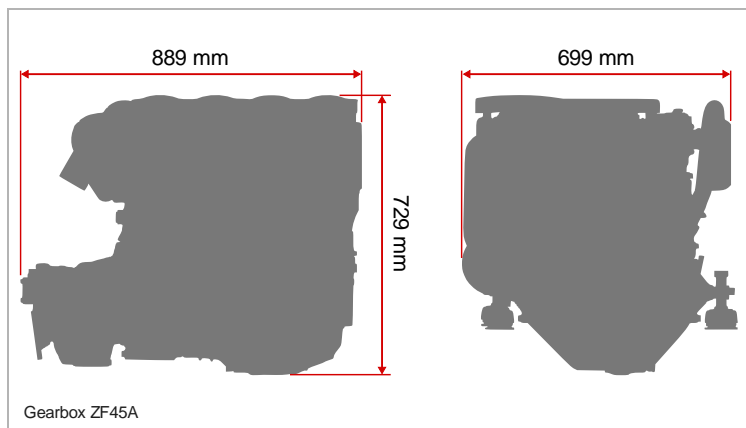
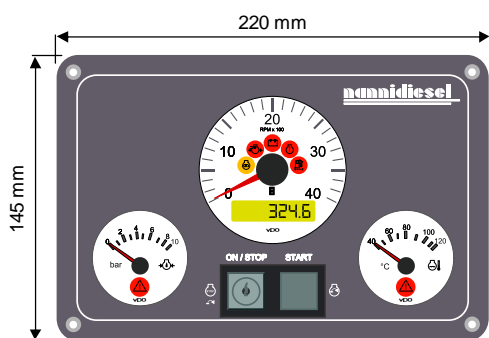
- Trolling valve
- Separated instruments
- Stuffing box connection
- Boiler connection
- Fly bridge panel

## Optional equipment

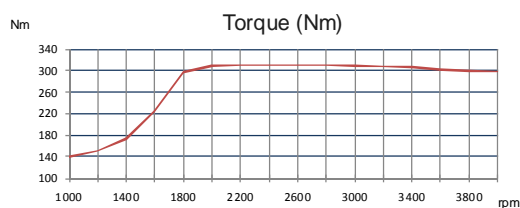
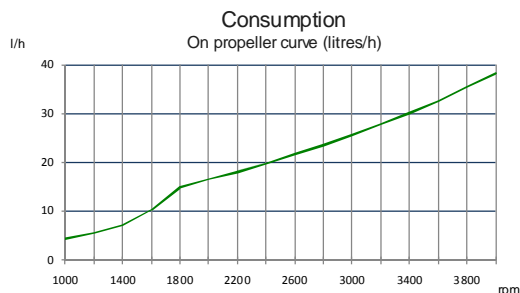
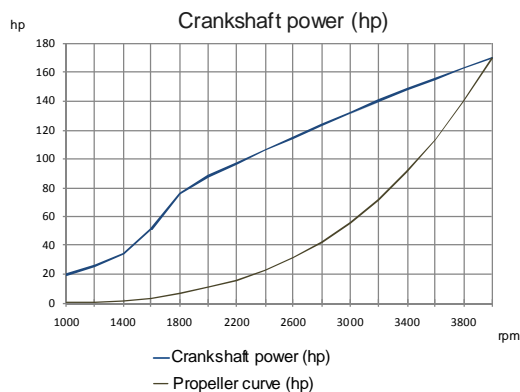
- Sea water hoses
- Fuel hoses
- Sea water filter
- Flexible coupling
- Exhaust system

## C4 instrument panel

- Tachometer and hour meter
- Engine oil pressure indicator
- Coolant temperature indicator
- Ignition start key
- Coolant temperature warning light
- Water in fuel filter warning light
- Engine oil pressure warning light
- Battery charge warning light
- Engine control warning light



The shown models are not necessarily identical to current production



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