

## 4.390TDI engine

147.2 kW (200 hp) at 3600 rpm

### Toyota engine base

The 4.390TDI is based on the 3 litres Toyota diesel engine which is used and tested on the Land Cruiser 4x4 and marinized for pleasure boats. Our prestigious partner Toyota is synonym with quality, reliability and technology leadership.

### Performance

Handling your boat equipped with this engine is a breeze. High torque at low rpm ensures a faster hole-shot and stunning acceleration. The low rated speed of 3600 enables you to cruise at comfortably low rpm's, reducing sound levels and fuel consumption. With this engine you can count on the most dynamic motorization with plenty of power reserve for all situations.

### Renowned quality

With thousands of the 4.390TDI already in the field this engine has gained the

confidence of the largest boat builders who rely on the robustness and dynamics of this engine.

With 3 litres engine capacity and 2 balancing shafts this 4 cylinder engine is powerful yet smooth and quiet. Pleasure boaters all over the world have come to appreciate this sensational propulsion comfort.

### Fishermen's choice

Equipped with a hydraulic gearbox, the engine handles smooth and quiet while manoeuvring. This transmission can optionally be equipped with a Trolling Valve, which will allow you to adapt the boat speed to your fishing needs.

### Protecting the environment

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

### Main characteristics

- Toyota base engine
- Big displacement
- High torque
- Turbo compressor & Intercooler

### Available transmissions

- ZF45A (hydraulic) 8° angle
- ZF45-1 (hydraulic)
- ZF63IV (hydraulic)
- ZF63A (hydraulic) 8° angle
- TTM40A (hydraulic) 8° angle

### Applications

- Semi planning hulls
- Planning hulls

### Technical specifications

Engine base	Toyota
Rated power (kW/hp)*	147.2 / 200
Rated rpm (rpm)*	3600
Displacement (cm <sup>3</sup> /in <sup>3</sup> )	2982 / 181.97
Number of cylinders	4 in line
Bore and stroke (mm/in)	96 x 103 / 3.77 x 4.05
Compression ratio	19.7:1
Combustion system	Indirect
Intake	Turbo compressor & Intercooler
Cooling	Closed cooling with heat exchanger
El. equipment / Alternator	12V / 80A
Instrument panel	C4-T
Transmission	Hydraulic gearbox
Engine Max Install. Angle	7° (dynamic)
Certifications	US EPA, BSO, EU-RCD
Dry weight with ZF45A (kg/lb)	347 / 765

### 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

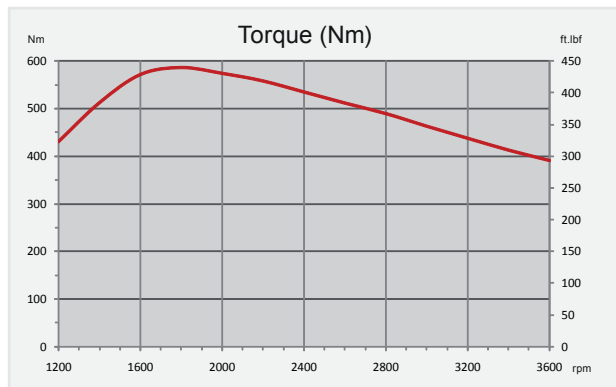
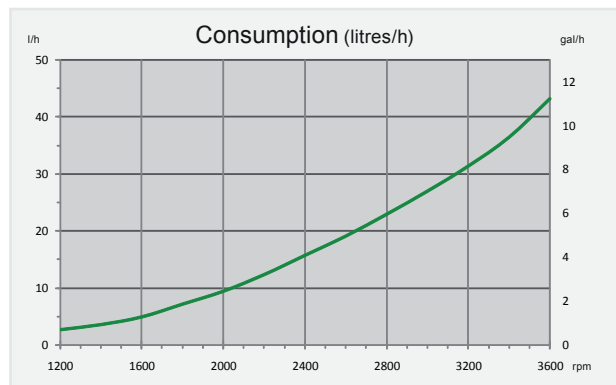
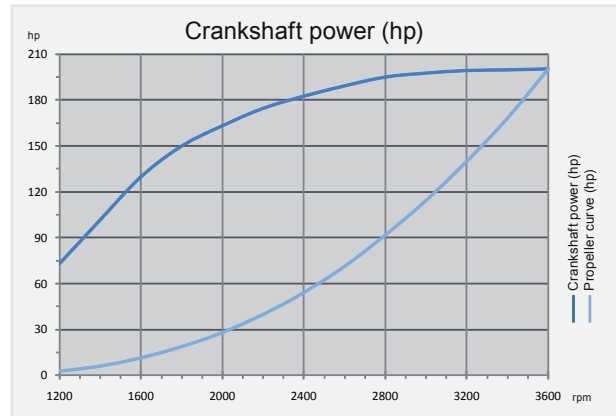
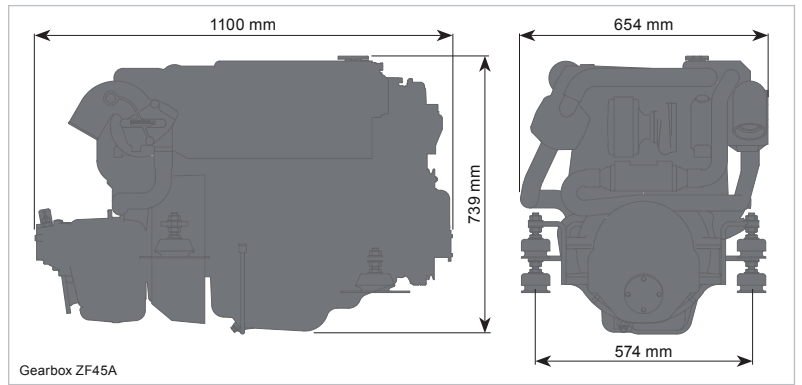
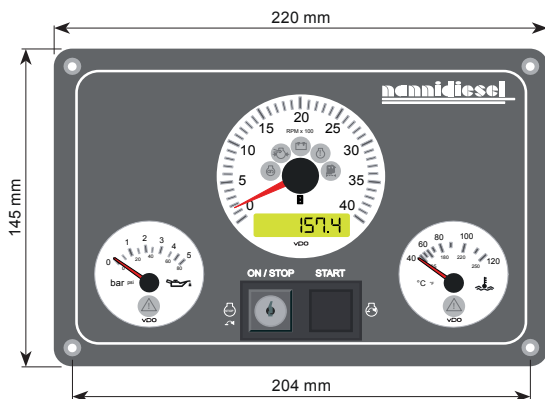
- Warranty certificate
- Exhaust manifold With water injection
- Closed cooling with heat exchanger
- 6 meters electrical harness
- Fuel filter
- Oil filter
- Owner's Manual
- Oil extraction pump
- Sea water pump
- Coolant circulating pump
- In line injection pump
- Fuel feed pump
- Prearrangement for control cables
- Electrical stop
- Engine flexible mounts
- Electrical system 12V
- Thermostat
- Turbo Compressor

## Optional equipment

- Additional alternators
- Trolling valve
- Two pole electrical system
- Flying bridge instrument panel
- V drive transmission
- Exhaust system
- Sea water hoses
- Fuel hoses
- Sea water filter
- Flexible coupling

## C4-T panel

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



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