

Z4.180 engine

132.5 kW (180 hp) at 3400 rpm

Common Rail injection system

Based on the new common rail engines which have proven their rugged reliability and performance in the Toyota Land Cruiser 4x4 vehicles, the Z4.180 comes with all the new and clean diesel improvements developed by Toyota.

Fuel efficient and dynamic

The performance of your boat equipped with this engine will amaze you. The Common Rail technology results in high torque while providing great fuel economy. The Common rail direct fuel injection features a high-pressure fuel rail feeding individual solenoid valves which provide accurate fuel quantity and injection timing control.

4 valves per cylinder and 2 balancing shafts result in incredible smoothness and ultra-low vibration and noise.

This new generation engine will enable you to power your boat in the most dynamic and efficient way

Stern Drive transmission

Placed outboards, the Stern Drive transmission allows for more space on board and provides the steering and trim system which enhances manoeuvrability. The optimization of the trim angle while planning results in significant fuel savings and trimmed up you can reach that shallow dream anchoring bay or your favourite beach.

Nanni and our Environment

This new technology engine complies with the most stringent emission regulations in the world.

Main characteristics

- Toyota base engine
- Common Rail injection system
- Turbo & Intercooler
- High torque and displacement
- Stern Drive
- Wide range of propellers

Available transmissions

- Bravo X One
- Bravo X Two
- Bravo X Three

Applications

- Semi-planning hulls
- Planning hulls

Technical specifications

Engine base	Toyota
Rated power (kW/hp)*	132.5 / 180
Rated rpm (rpm)*	3400
Displacement (cm ³ /in ³)	2982 / 181.97
Number of cylinders	4 in line
Bore and stroke (mm/in)	96 x 103 / 3.77 x 4.05
Compression ration	17.9:1
Combustion system	Common Rail (Direct)
Intake	Turbo compressor & Intercooler
Cooling	Closed cooling with Heat exchanger
Alternator	12V / 100A
Instrument panel	C4-T
Weight with Bravo X Three (kg/lb)	399 / 879.64

Stern Drive

Bravo X One	Depending on the application
Bravo X Two	Ratio 1,50 to 2,00
Bravo X Three	Aluminum or Stainless steel propellers

Connections diameters

Fuel (mm/in)	10
Sea Water (mm/in)	38

* At engine flywheel, according to ISO 8665-1

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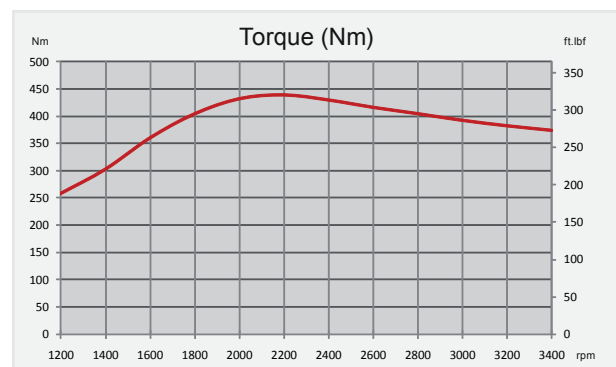
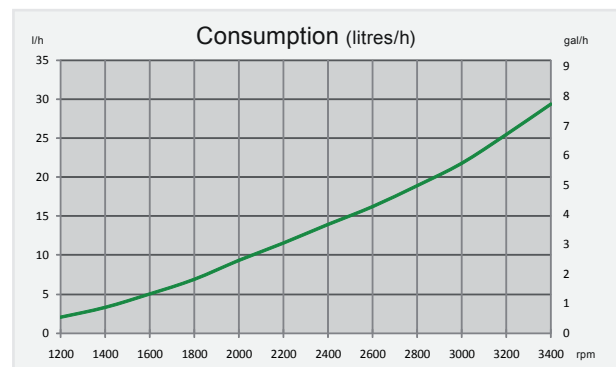
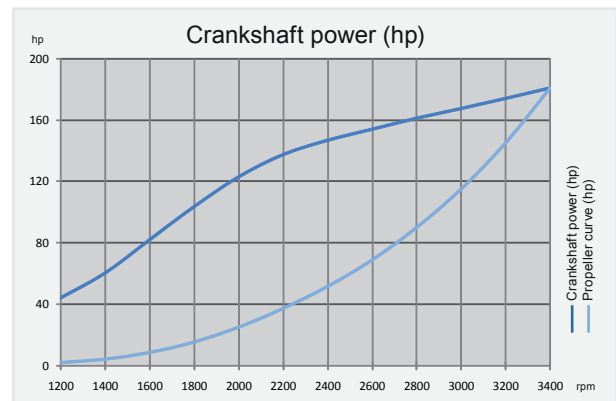
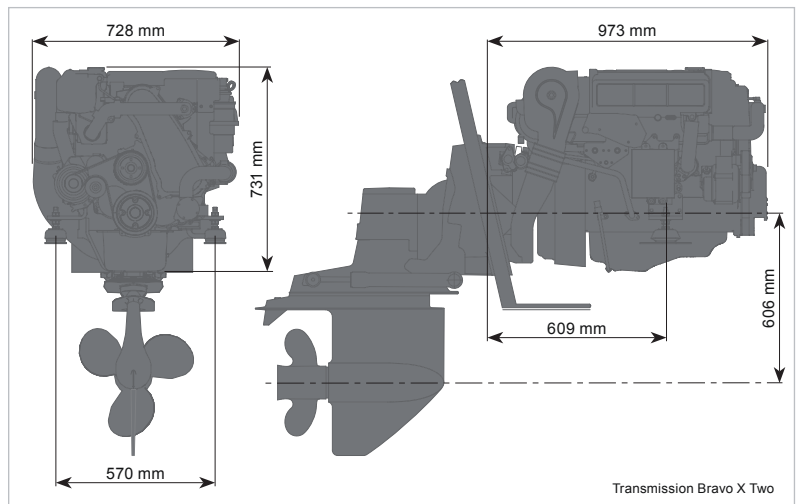
132.5 kW (180 hp)

Standard equipment

- Warranty certificate
- Fresh water cooled exhaust manifold
- Exhaust elbow
- Closed cooling with heat exchanger
- Fuel filter & water alarm
- Oil filter
- Owner's manual
- Oil extraction pump
- Sea water pump
- Coolant circulating pump
- Injection pump
- Prearrangement for control cables
- Engine oil cooler
- Electrical stop
- Flexible mounts
- Electrical Wiring 12V
- C4-T separated instruments panel
- Thermostat
- Turbo Compressor & intercooler
- Power steering kit
- Trim indicator
- Engine wiring
- Transom Mercruiser (Trim system, Bull Horn and Mercatode)

Optional equipment

- Remote control
- Control cables
- Extension harness
- Trim indicator extension harness
- Trim control extension harness
- Separated trim control
- Fuel level indicator
- Fuel level gauge
- Speedometer
- Sea water intake
- Bravo X One, Bravo X Two, Bravo X Three
- Aluminum or Stainless steel propellers
- Steering bar (twin engine installation)
- Instrument panel or separated instruments



Your dealer

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