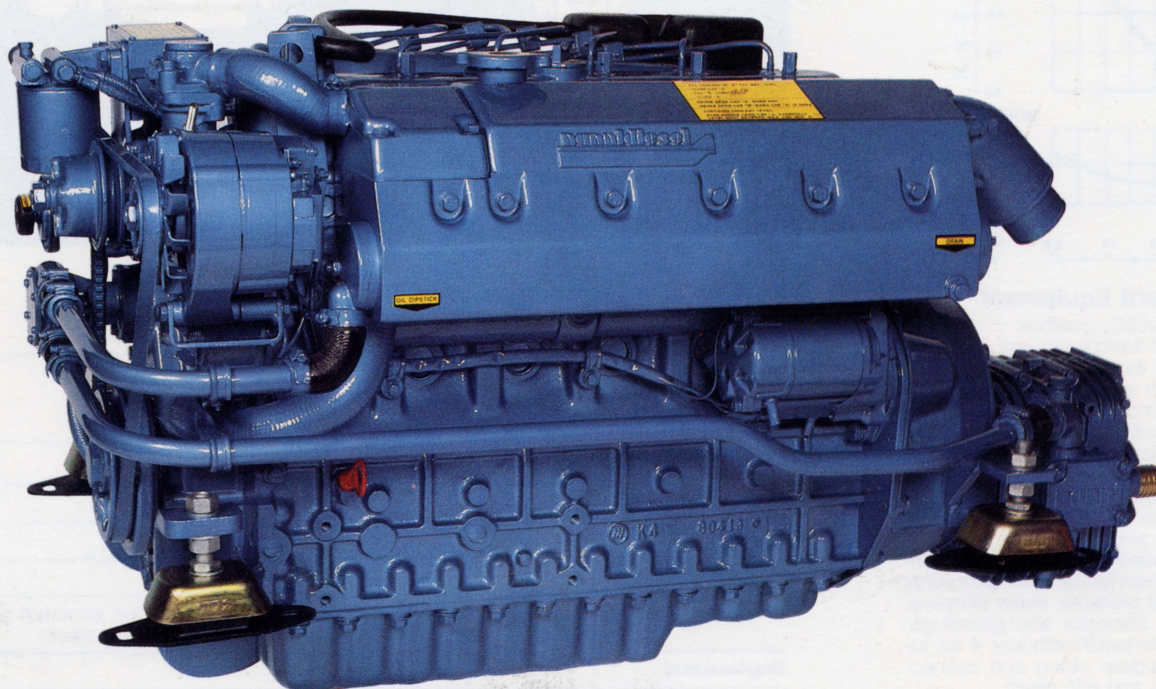


## 6.280 HE Marine Diesel Engine

Basis Kubota

44 KW (60 HP) at 2600 rpm



The 6.280 HE is a 6-cylinder, 2.8 liters diesel engine based on Kubota, which excels in its compactness, power and low fuel consumption.

### Installation dimensions

This engine, due to its compact, robust and well designed concept, gives many possibilities of installation, respecting the lay-out of the boat.

### Low vibration level

The low engine speed and the large capacity maintain the quietness and the engine's vibration to the lowest level, without the help of complicated counterweights. The engine is mounted on vibration-damping rubber mounts.

### Heat exchanger

All our engines are equipped with an inter-cooling system which guarantees an even engine temperature at the right level and therefore longer duration and complete combustion. On top of this, the inter-cooling enables you to connect a boiler heating system.

### Indirect injection

The swirl chamber gives an even and clear combustion, therefore a low noise level and a clean exhaust emission, so the boat will keep a clean transom! The glow plugs provide immediate starting which does not make much demand on the starter or battery. Contrary to small direct injection engines, our engines give immediate power when it is needed. It is not necessary to count to ten before you obtain power or can reverse!

### Electric System

The alternator has an integrated voltage regulator for superior reliability. The capacity leaves nothing to be desired, but P.T.O. pulleys could be fitted to the front of the crankshaft to drive auxiliaries. The engine is equipped with a small mainbox incorporating all electric functions and protections including circuit breaker and glow timing relay. All connections for remote control are fitted at the engine. The engine is equipped with electric stop.

### Reverse gearbox

The robust mechanical gearbox, with disc clutch and torque limiter, enables you to make emergency shifts from full ahead to full astern in only one second.

Ground and treated angle gear wheels take care of high efficiency and quiet transmission of power.

The remote control is made by a push-pull cable and a single lever remote control box.

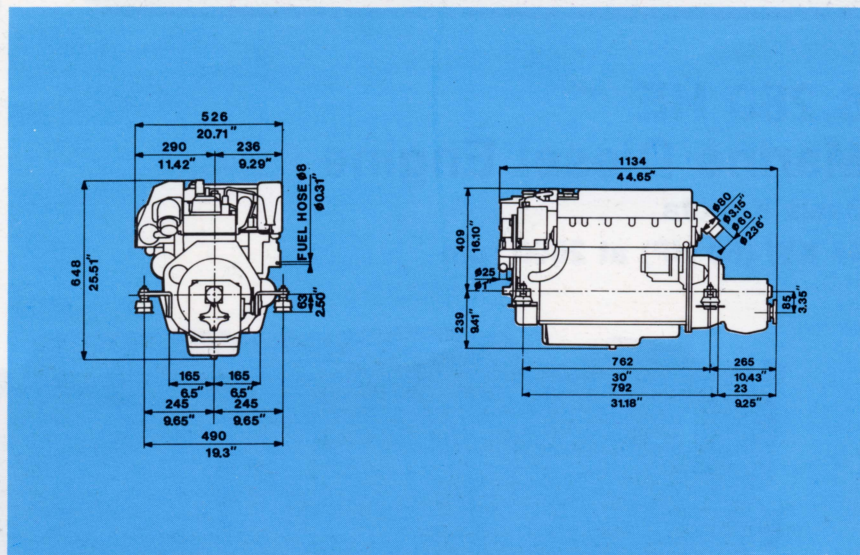
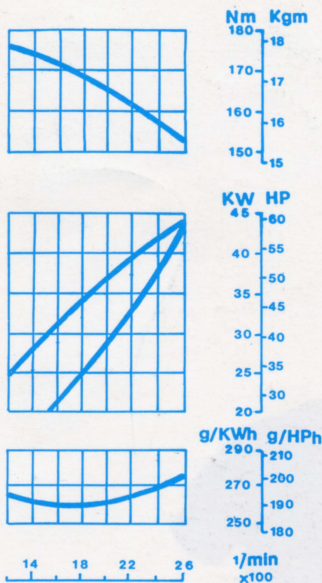
The flexible mounts are equipped with a sea-worthy limitation which makes it impossible for the engine to come off its bed, should the rubber fail.

The specially designed mounts are capable of taking the full thrust.

### World-Wide Service

Through our twenty-one importers and three group companies we can supply full backing of our spare parts supplies and documentation.

Over 450 dealers throughout the world will be happy to show you what they can do for you.



### Standard Equipment

- Reduction gearbox
- Set of flexible mounts
- Heat exchanger
- Fresh water pump
- Thermostat
- Seawater self-priming pump
- Freshwater cooled exhaust manifold
- Exhaust elbow with water injection
- Stop solenoid
- Remote instrument panel, one instrument tachometer, pilot lights for oil pressure, water temperature, alternator and glowplugs, starterswitch with key, 4 mt. intermediate wiring and connections, acoustic alarm
- Fuel feed pump
- Fuel filter
- Oil filter
- Brackets for remote control cables
- Set of tools
- Operator's manual
- Warranty certificate

### Accessories

- Propellers
- Remote controls
- Exhaust systems
- Flexible couplings
- Shafts and sterntubes

### Instrument panel C

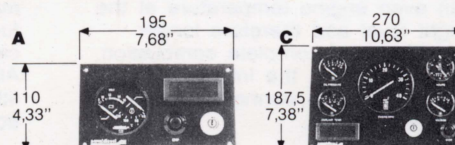
- Tachometer
- Voltmeter
- Thermometer
- Oil pressure
- Hour counter
- Pilot lights
- Acoustic alarm
- Electric stop
- Starter switch

**TAPIMER OY**  
Peltomäenkatu 10 C  
04200 KERAVA  
Puh. 90-245 417

### Technical Specification

<b>Engine Type</b>	6.280HE 6 cylinders, 280 cylinder displacement HE (heat exchanger)
<b>Basis</b>	Kubota
<b>Fuel</b>	Diesel
<b>Injection</b>	swirl chamber - indirect injection
<b>Principle</b>	Vertical, 4 stroke
<b>Cooling</b>	Heat exchanger, fresh water circulation, expansion tank. Cooled exhaust manifold with water injection elbow
<b>Displacement</b>	2791 (170 cu.inch)
<b>Bore/Stroke</b>	85 × 82 mm (3.35" × 3.23")
<b>Compression ratio</b>	22:1
<b>Number of cylinders</b>	6 in line
<b>Weight (incl. gearbox)</b>	285 kg.
<b>Max power</b>	44 KW (60 HP) at flywheel
<b>RMP at max. output</b>	2600
<b>Gearbox efficiency</b>	approx. 95%
<b>Alternator</b>	55 A - 14 Volts
<b>Startermotor</b>	12V - 1,4 KW
<b>Reduction gearbox</b>	HBW 250 - 2:1, 3:1
<b>Diameter nominal</b>	exhaust: 80 mm (3.15") fuel pipe: 8 mm (0.31") seawater intake: 25 mm (1")
<b>Installation angle</b>	Max 15° backwards
<b>Heeling angle</b>	Continuous: 20° Intermittent: 30°

Specification subject to change without notice



**nannidiesel**