

New Standard for Marine Diesel Engines

U-Series

125hp [92kW] acc. to ISO 8665

NEW

New High-Performance, Low Emission Diesel

The new U-engine family brings the boating additional benefits of diesel power for boats which, in the past, were limited to use gasoline. It features a compact package which combines sophisticated common rail electronic fuel injection with the latest generation computer controlled engine management system.

A variable geometry turbocharger coupled with the intercooler provides superb acceleration as well as optimal boost at cruise-all while keeping fuel consumption under tight control. Being available for inboard, sterndrive and jet applications, whether the need is for new builds or for repower, we are ready to serve.



Technical Descriptions

Engine

- Cast iron engine cylinder block
- Aluminum head
- Oil cooled pistons
- In-line4, 4-valve DOHC
- Hydraulic lash adjusters
- Integrated water jacket
- Hydraulic timing chain auto tensioner
- Single serpentine belt system
- Drive belt auto tensioner

Engine Mounting

- Adjustable engine mounts

Lubrication System

- Easily exchangeable oil filter cartridge
- Electric oil extraction pump

Fuel System

- Common Rail Direct Injection (CRDi)-Solenoid injector
- Fuel filter with sensor detecting water in fuel
- Electric fuel pump
- Dual pressure control valve

Electrical System

- 12 volt system and 120A alternator
- Auxiliary engine stop button
- Ceramic glow plugs for a trouble-free cold start

Cooling System

- V-ribbed belt driven seawater pump
- Seawater cooled intercooler, heat exchanger
- Corrosion resistant material for the seawater circuit

Engine Operating Indicator (Standard)



- Engine self protection and diagnosis
- Display CAN information
- Display engine diagnostic error codes
- Audible alarm and control lamps

Air Inlet system

- Reusable air filter
- Crankcase gases vented into the air inlet

Exhaust System

- Engine coolant cooled exhaust manifold
- Seawater cooled exhaust elbow

Turbocharger

- Variable Geometry Turbine (VGT)

Engine Coupler

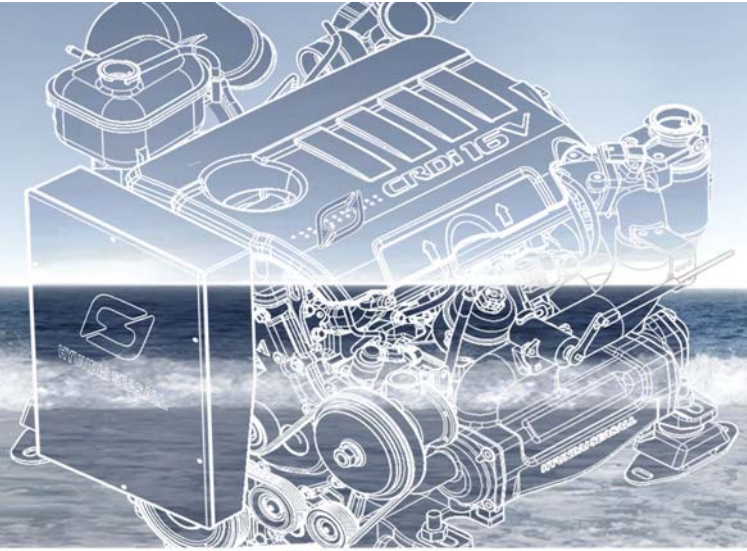
- Life-long and rattle free rubber roller coupler

Emissions

- US EPA Tier 3 and RCD compliant

U125

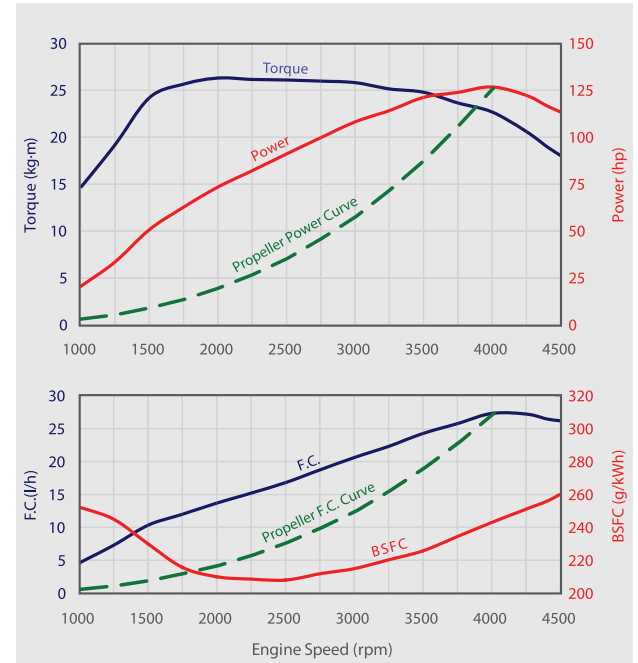
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U16 Series Specifications

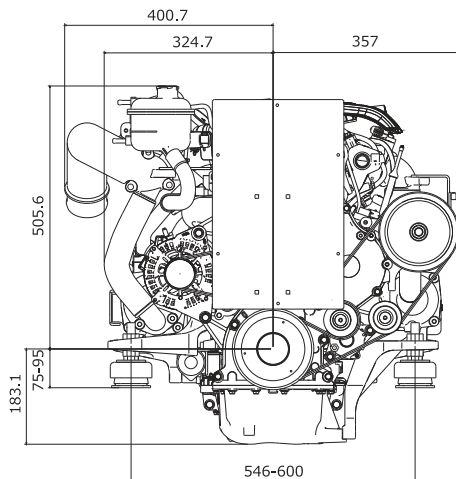
Engine type	U125
Engine Duty Rating	S5 (Pleasure Duty) 4-Stroke, 16-Valve, VGT with Intercooler, Fresh Water Cooling
Output [hp (kW)]	125 (93)
RPM @ full load	4,000
Cylinders	4 in-line
Displacement [cc]	1,582
Bore X Stroke [mm]	77.2 X 84.5
Compression Ratio	17.3 : 1
Max. Torque @ RPM	26.5kg·m @ 1,900rpm
Injection System	Common Rail Direct injection (CRDi) - Solenoid Injectors
Alternator [A]	12V-120A
Electronic Engine Diagnostic	YES
MAX. Fuel Consumption [l/h]	27
Dry Weight [kg]	220
Propulsion system	Sterndrive, Shaftdrive, Waterjet

Performance Curves

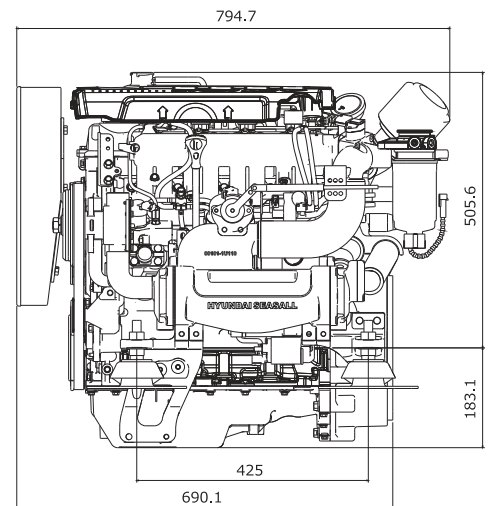


Dimensions

■U125 B/W connection integrated with flywheel housing



Front View



Side View

※ Product development or information materials herein are subject to change without prior notice.