

I4 U-SERIES

The innovative fuel injection technology enables a perfect balance of power and torque. The Solenoid Common Rail Direct Injection System (CRDi) delivers 125 hp and 26.5 kg·m of torque from the 1.6 litre engine.

By completely optimizing the design of the electronic engine control system, the U-series provide superb fuel efficiency and world class diesel performance with remarkably low emissions.

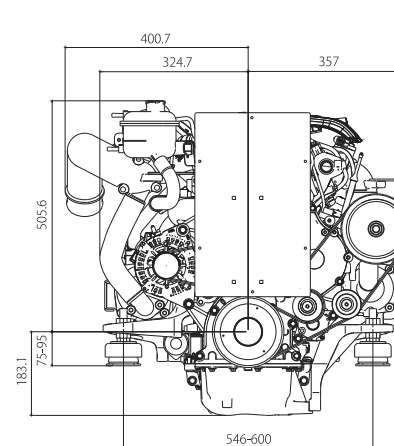


■ Specifications

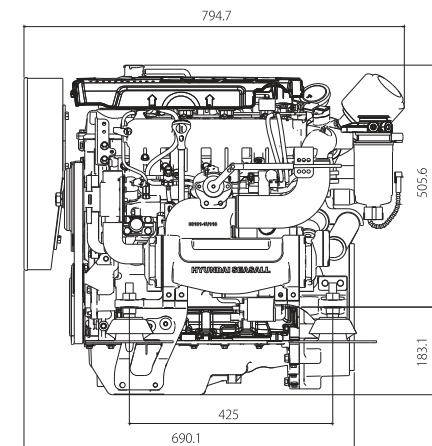
Engine type	U125
Engine Duty Rating	S5 (Pleasure Duty) 4-Stroke, 16-Valve, VGT with Intercooler, Fresh Water Cooling
Output [hp (kW)]	125 (93)
RPM @ full load	4,000
Cylinders	4 in-line
Displacement [cc]	1,582
Bore X Stroke [mm]	77.2 X 84.5
Compression Ratio	17.3 : 1
Max. Torque @ RPM	26.5kg·m @1,900rpm
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

■ Dimensions

- U125 B/W connection integrated with flywheel housing



Front view

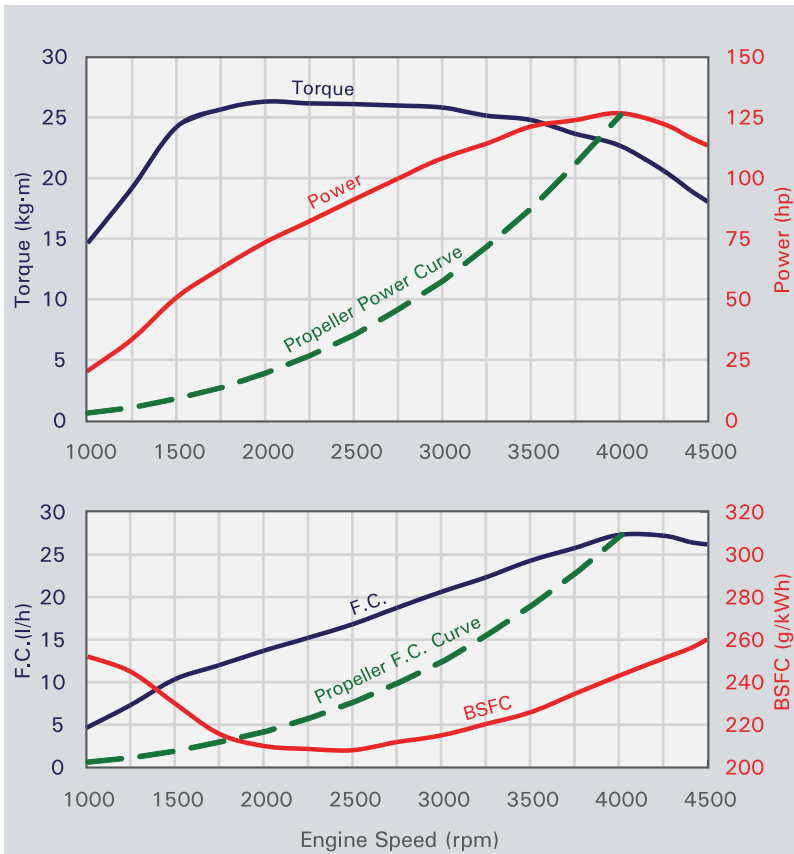


Side view

Performance



U125 Performance Curve



Technical Descriptions

Engine

- Cast iron engine cylinder block
- Aluminum head
- Oil cooled pistons
- I4 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



- 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

- EPA Tier 3 and RCD compliant