



powering **marine** safety

# BUKH L500

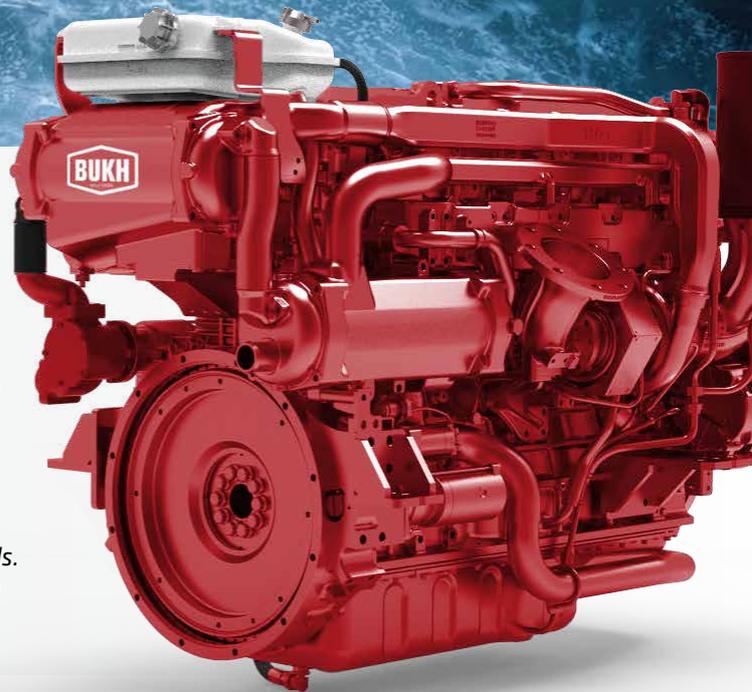
**BUKH SOLAS MARINE DIESEL ENGINE  
L13 SERIES - 500 HP (368 KW)**

## 12.7 Liter Heavy Duty Commercial Engine

*The Electronic Unit Injection system delivers 500 PS and 232 kg·m of torque from the 12.7 liter in-line 6 cylinder engine.*

*The robustly-designed unit was specifically conceived as a heavy duty engine with the ability to serve the professional and commercial markets. It has stable performance at high load and responds well to sudden load changes.*

*Excellent power and torque in a wide rpm range proves world-class diesel development and beats the performance of competition models. Economy is assured by the state-of-the-art fuel management system featuring electronic unit injectors (EUI).*



### TECHNICAL DESCRIPTION:

#### ENGINE

- 6 cylinder in-line, 24 valve OHC
- Cast iron cylinder block and cylinder head
- Gallery oil-cooled long lasting mono steel pistons
- Integrated water jacket
- Single serpentine belt system
- Drive belt auto-tensioner

#### ENGINE MOUNTING

- Adjustable engine mounts (Optional)

#### LUBRICATION SYSTEM

- Gear-driven engine oil pump
- Closed system with forced feeding
- Integrated oil-cooler in cylinder block
- Easily exchangeable oil filter cartridge
- Eco type oil filter
- Electric oil extraction pump

#### FUEL SYSTEM

- Electronic Unit Injector (EUI)
- Gear-driven fuel pump
- Electronically controlled injection timing
- Fine fuel filter and water separator
- High pressure six-hole injector nozzles

#### ELECTRICAL SYSTEM

- 24 volt - 90A alternator
- Auxiliary engine stop button
- Air heating system for a trouble-free cold start
- NMEA2000 converter (Optional)
- 2 pole system (Optional)

#### AIR INLET SYSTEM

- Reusable air filter
- Intake extension kit (Optional)

#### COOLING SYSTEM

- Gear-driven seawater pump
- Seawater-cooled intercooler, heat exchanger
- Auxiliary connector for cabin heating
- Corrosion resistant material for seawater circuit
- Easily accessible rear mounted seawater pump

#### EXHAUST SYSTEM

- Coolant cooled exhaust manifold
- Cast iron exhaust pipe
- WGT (Waste Gate Turbocharger)

#### INSTRUMENT BOX ASSEMBLY

- Engine self-protection and diagnosis
- Displays CAN information
- Displays engine diagnostic error codes
- Audible alarm and control lamps
- Idle & PTO rpm adjustable switch

#### EMISSIONS

- EPA Tier III
- IMO Tier II
- RCD II

#### TYPE APPROVAL OPTIONS

- EIAPP
- RINA

As BUKH is always endeavouring to improve the engines, specifications mentioned are subject to alterations without previous notice.

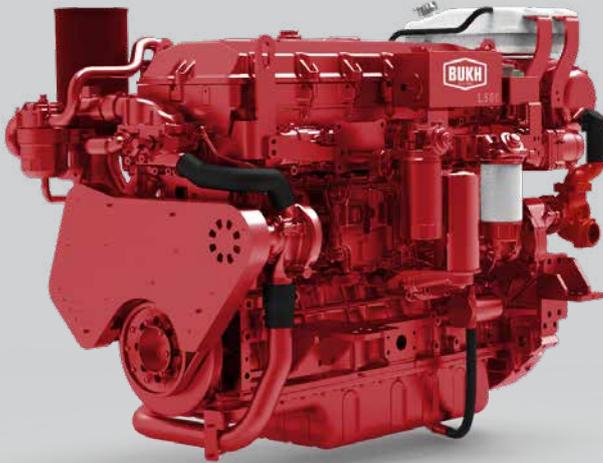
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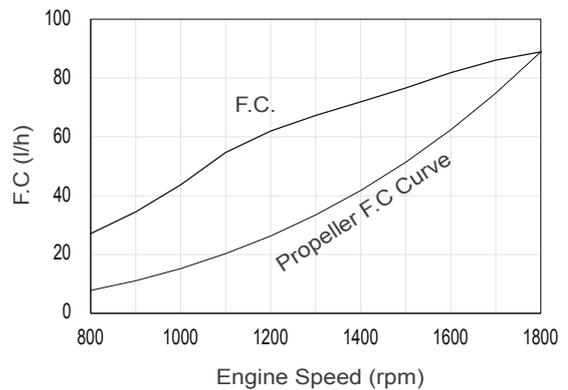
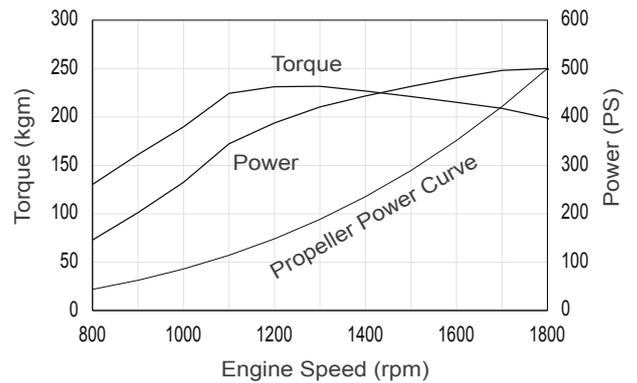
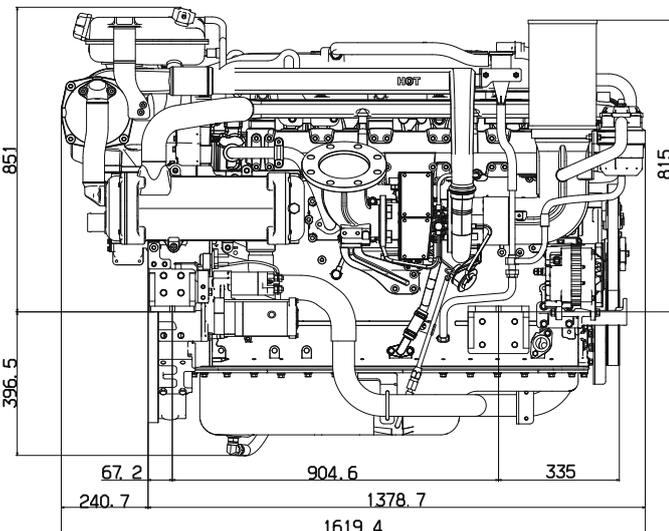
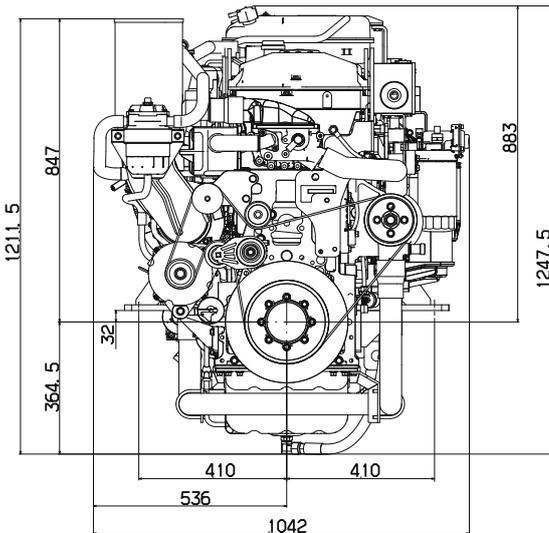


### Specifications L500

Propulsion System	Shaftdrive & Waterjet
Engine Duty Rating	Heavy Duty (S1)
Configuration	4-stroke, 24-valve OHC, WGT with intercooler, water cooling
Output [PS (kW)]	500 (368)
Rated RPM	1,800
Cylinders	In-line 6
Displacement [cc]	12,742
Bore X Stroke [mm]	130 X 160
Compression Ratio	16.0 : 1
Max. Torque	232.0 kg·m @ 1,200 rpm
Injection System	Electronic Unit Injector (EUI)
Alternator	24V-90A
Engine Diagnosis	YES
Max Fuel Consumption [l/h]	89.2
Dry Weight [kg]	1,310
Flywheel	SAE 14
Flywheel Housing	SAE 1



### Dimensions L500 (Not for installation)



SOLAS approved by Det Norske Veritas  
Notified Body: No. 0575