The BUKH V8 6.6L is a powerful and compact lightweight diesel engine that are designed to suit all commercial and leisure applications. With the strong Duramax base engine and Marinization done by BUKH in Denmark, the BUKH V8 is the right choice when reliability, performance, compact and quality is the key words for your project.

TECHNICAL DESCRIPTION:

ENGINE BLOCK AND HEAD
- Cast iron cylinder block - Induction hardened for increased durability
- Nitride hardened steel crankshaft
- One piece hot forged steel connection rods
- Aluminum cylinder heads
- 4 valves per cylinder
- Frontend gear train

ENGINE MOUNTING
- Flexible engine mounting

LUBRICATION SYSTEM
- Crankcase ventilation system
- Oil filter relocator / remote filter bracket

FUEL SYSTEM
- External fuel filter for remote or on engine install
- Fuel cooler installed on engine
- Bosch CP3 common rail system
- Pilot injections to reduce combustion noise

AIR INLET AND EXHAUST SYSTEM
- Exhaust manifolds made of high quality cast aluminium
- Wet exhaust elbow
- Intake assembly with integrated stainless steel intercooler
- Variable geometry turbo (VGT)

COOLING SYSTEM
- Freshwater-cooled charge air cooler
- Seawater cooled heat exchanger
- Coolant system prepared for hot water outlet
- Easily accessible seawater pump front of engine
- Steering oil cooler prepared on engine

ELECTRICAL SYSTEM
- 12V alternator
- 24 V alternator (optional)
- Dual alternator (optional)
- Dual electric starter (Optional)
- Glowplugs (Optional)
- Extra alternator (Optional)

INSTRUMENTS/CONTROLS
- Engine date on 3.5" display
- Laptop based diagnostics tool
- J1939 and NMEA2000 can communication
- Display IP 66 protection (front)
**BUKH V8-500 Specifications**

- **Engine type**: V8
- **Engine duty rating**: C10 - HSC - High speed craft
- **Crankshaft power [hp(kW)]**: 500 (368)
- **RPM at full load**: 3600
- **Cylinders**: V8
- **Displacement [L]**: 6.6
- **Bore [mm]**: 103
- **Stroke [mm]**: 98
- **Compression ratio**: 16.8:1
- **Injection system**: Bosch common rail
- **Firing order**: 1-2-7-8-4-5-6-3
- **Electronic engine diagnostic**: YES
- **Max. torque, NM @ 2100 rpm**: 750
- **Dry Weight Bobtail [kg]**: 510
- **Propulsion system**: Waterjet, Shaft-, Stern- & Surface drive

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

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**V8-500 Dimensions**

*Not for installation*

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**Power / Torque Curve for BUKH VGT 350**

![Power / Torque Curve for BUKH VGT 350](image-url)

**VGT 350 Dimensions**

![VGT 350 Dimensions](image-url)