



powering **marine** safety

# S270J

## BUKH SOLAS MARINE DIESEL ENGINE 270 HP (199 KW)



Photo: Norsafe Magnum 750 / rescue boat

*The BUKH S-Series Piezo controlled common rail injections system delivers 270 HP and 57,6 kg·m torque from the 3.0 liter V6 CRDI engine. The advanced design also makes it ultralight, quiet and fuel efficient with extremely compact dimensions. The CGI block is lighter and quieter than conventional gray cast iron and demonstrates at least 85 percent higher tensile strength, 45 percent higher stiffness and approximately double the fatigue strength of iron and aluminum.*



### TECHNICAL DESCRIPTION:

#### ENGINE

- Compacted Graphite Iron (CGI) cylinder block
- Aluminum head
- Nine balance weight crankshaft
- Oil cooled pistons
- V6, 24-valve DOHC
- Hydraulic lash adjusters
- Integrated water jacket
- Low noise duplex timing chain
- Hydraulic timing chain 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
- Seawater cooled oil cooler
- Chain drive engine oil pump

#### FUEL SYSTEM

- Common rail direct injection (CRDi)-Piezo injectors
- Fuel filter with sensor detecting water in fuel
- Electric low pressure pump
- Dual pressure control valve
- Low and high pressure fuel pumps

#### EXHAUST SYSTEM

- Engine coolant cooled exhaust manifold
- Seawater cooled exhaust elbow
- Seawater cooled Hi-Riser (Optional)

#### COOLING SYSTEM

- Seawater pump driven directly from the camshaft
- Seawater cooled intercooler, heat exchanger
- Auxiliary connector for cabin heating
- Corrosion resistant material for seawater circuit

#### ELECTRICAL SYSTEM

- 12V/150A alternator
- 2 pole system - Optional

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## BUKH SOLAS MARINE DIESEL ENGINE



### S270J Specifications

Engine type	S270
Engine duty rating	C11 - High Speed Craft Commercial_2
Crankshaft power [hp(kW)]	270 (199)
Rpm@full load	3800
Cylinders	V6
Displacement [L]	3.0
Bore [mm]	85
Stroke [mm]	89
Compression ratio	17,5:1
Injection system	Common rail direct injection (CRDi)
Alternator [V -A]	12V – 150A
Electronic engine diagnostic	YES
Max. torque @ rpm	51 kg-m @ 3800
Dry Weight Bobtail [kg]	334
Propulsion system	Shaft drive - Water jet

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

### S270J Dimensions

Not for installation

