powering marine safety

S270J BUKH SOLAS MARINE DIESEL ENGINE 270 HP (199 KW)

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 an 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 stiffnee and approximately double the fatique strength of iron and aluminum.



TECHNICAL DESCRIPTION:

BUKA

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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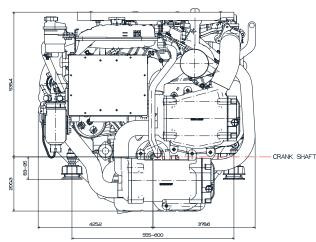


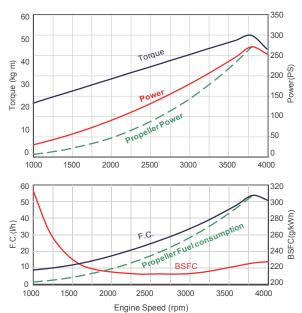
S270J Specifications

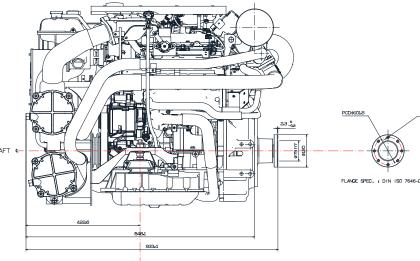
| Engine type | S270 |
|------------------------------|-------------------------------------|
| Engine duty rating | C13 - High Speed Craft Commercial_2 |
| Crankshaft power [hp(kW)] | 270 (199) |
| Rpm@full load | 3800 |
| Cylinders | V6 |
| Displacement [L] | 3.0 |
| Bore [mm] | 85 |
| Stroke [mm] | 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 |

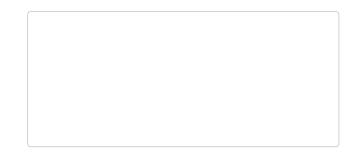
As BUKH is always endeavouring to improve the er to alterations without previous notice.

S270J Dimensions Not for installation









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