



powering **marine** safety

BUKH G300

BUKH SOLAS MARINE DIESEL ENGINE G7 SERIES - 300 HP (221 KW)

6.8 LITER COMMERCIAL ENGINE

Solenoid controlled common rail injection system delivers 300PS and 120.3 kg·m of torque from the 6.8 liter in-line 6 cylinder engine.

The broad flat torque curve proves world-class diesel development and beats performance of competition models.

Economy is assured by the state-of-the-art fuel management system featuring Common Rail Direct Injection (CRDI). The electronic engine control system makes the engine lighter, quieter and more fuel efficient with excellent compact dimensions.



TECHNICAL DESCRIPTION:

ENGINE

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

AIR INLET SYSTEM

- Reusable air filter

FUEL SYSTEM

- Common Rail Direct Injection (CRDI)
- Solenoid injector with 2,000 bar
- Gear-driven fuel pump
- Electronically controlled injection timing
- Fine fuel filter and water separator

ENGINE MOUNTING

- Adjustable engine mounts (Optional)

ELECTRICAL SYSTEM

- 24 volt - 70A alternator
- Auxiliary engine stop button
- Air heating system for a trouble-free cold start
- NMEA2000 converter (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 seawater impeller pump

LUBRICATION SYSTEM

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

ENGINE OPERATING INDICATOR (EOI)

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

EXHAUST SYSTEM

- Aluminium exhaust pipe
- E-WGT (Electric Waste Gate Turbocharger)

EMISSIONS

- IMO Tier II
- RCD II
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TYPE APPROVAL OPTIONS

- EIAPP
- RINA

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

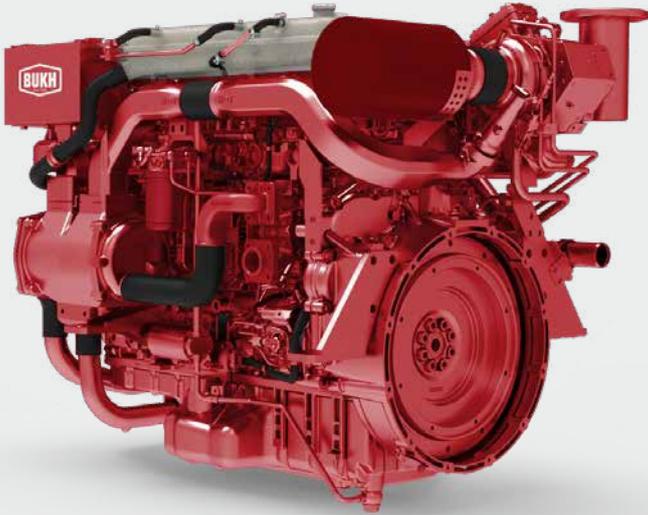
BUKH G300

BUKH SOLAS MARINE DIESEL ENGINE



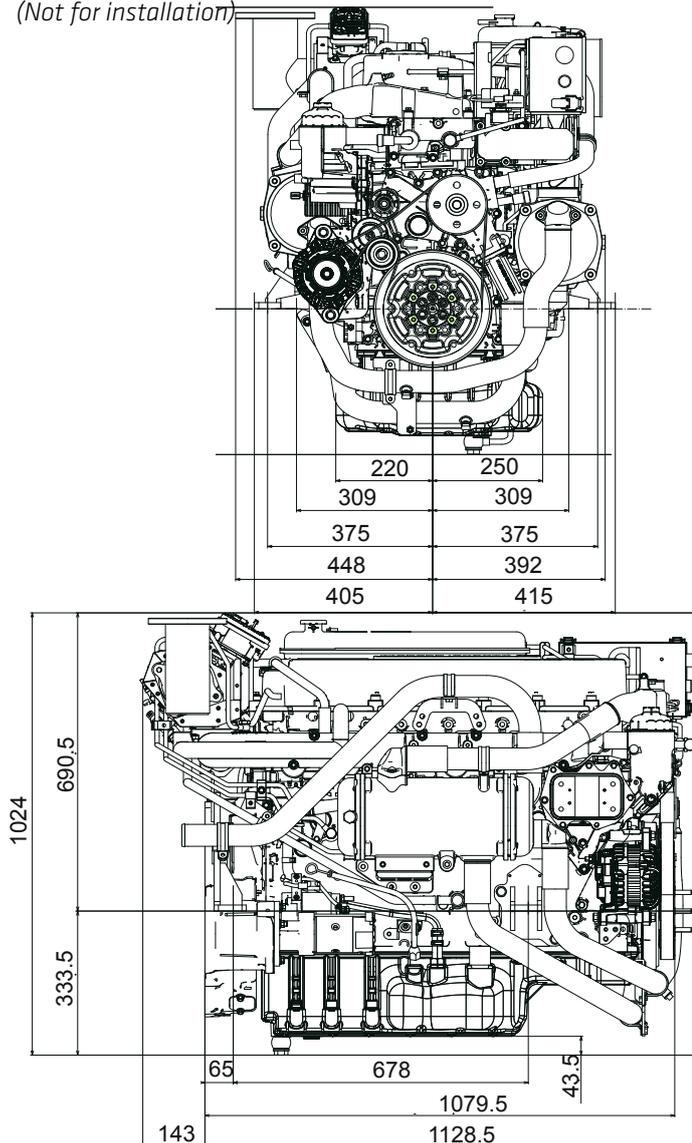
Specifications G300

| | |
|----------------------------|--|
| Propulsion System | Shaftdrive, Waterjet, Surfacedrive |
| Engine Duty Rating | Heavy Duty (S1) |
| Configuration | 4-Stroke, 24-Valve DOHC, E-VGT with intercooler, water cooling |
| Output [PS (kW)] | 300 (221) |
| Rated RPM | 2,500 |
| Cylinders | In-line 6 |
| Displacement [cc] | 6,798 |
| Bore X Stroke [mm] | 107 X 126 |
| Compression Ratio | 17.5 : 1 |
| Max. Torque | 120.3 kg·m @ 1,600 rpm |
| Injection System | Common Rail Direct injection (CRDi) Solenoid Injector |
| Alternator | 24V-90A |
| Engine Diagnosis | YES |
| Max Fuel Consumption [l/h] | 69.2 |
| Dry Weight [kg] | 686 |
| Flywheel | SAE 11-1/2 |
| Flywheel Housing | SAE 2 |

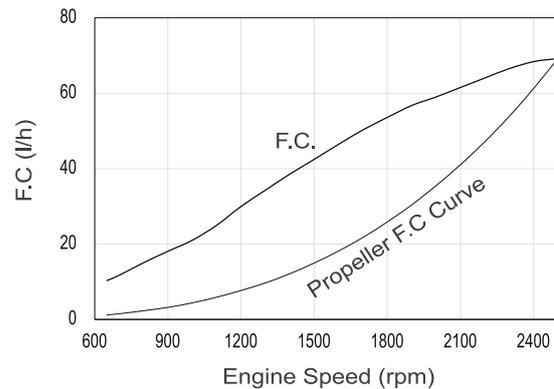
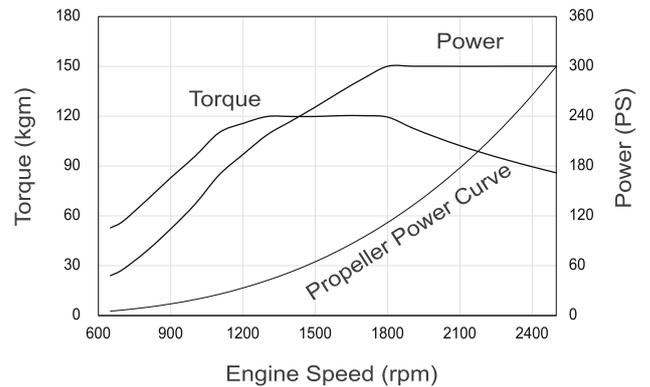


Dimensions G300

(Not for installation)



Performance Curves



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