

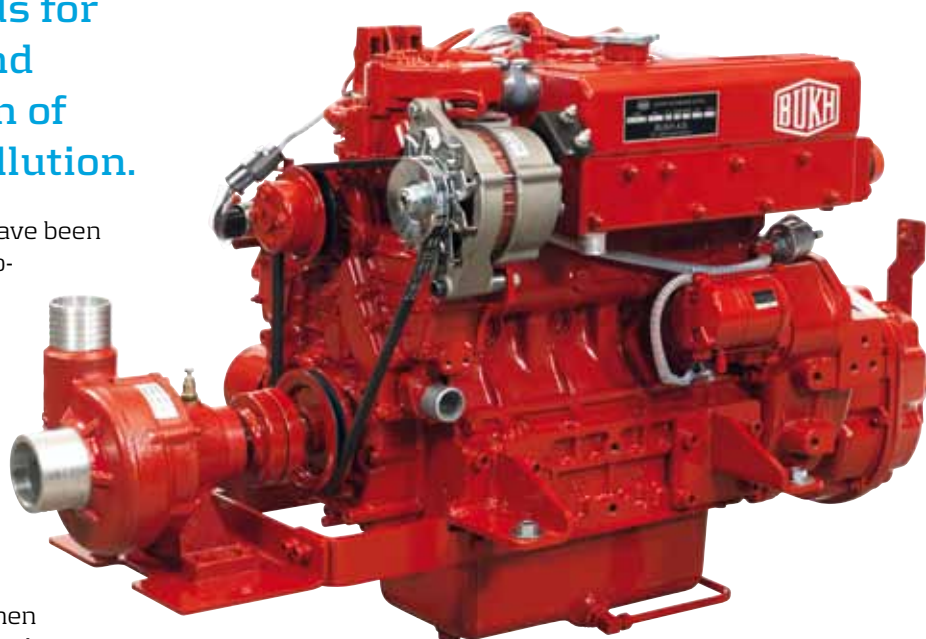
# EPA 48

## BUKH BETA LIFEBOAT DIESEL ENGINES

The BUKH BETA Lifeboat Diesel Engines set new standards for low exhaust emissions and contribute to the reduction of marine environmental pollution.

They comply with the Tier standards which have been made technically possible through the incorporation of pre-combustions chamber injection instead of common rail / unit injection. This eliminates the need for vulnerable electronic devices for control of fuel volumes and improves the operational reliability. This design allowed the engines to pass and obtain the US Coast Guard approval for use as lifeboat engines.

Further to these features, the BUKH BETA series demonstrates outstanding qualities when it comes to the relationship between weight and power.



### Standard Equipment:

- Reverse-reduction gear
- Wet sump lubrication system
- Pre and main (full flow) filter
- Keel-cooling with thermostat
- Air inlet filter
- Fuel lift pump
- Electric start
- Charging alternator with double diode
- Operating remote panel with
  - Charging light
  - Luboil pressure warning light
  - Cooling water temperature warning light
  - Push button for start and stop
  - Audible warning

- Fittings for remote control
- Drain pump for luboil
- Dry exhaust fitting
- Up-side-down valve
- Standard set of tools
- Operating manual
- Watercooled exhaust manifold
- Fittings for keel cooling
- Centrifugal governor

### Options:

- Instrument panel with gauges
  - Tachometer
  - Temperature
  - Oil pressure

- Spraypump for fireprotected lifeboats that can stand dry-running.
- Battery switch
- Remote control
- 3 blade propeller
- Propeller shaft
- Sterntube
- Front sealing arrangement for sterntube
- Rear sterntube bearing
- Propeller shaft coupling



### EPA 48 Specifications

Max. continuous rating (ISO3046)	48 HP (35.3 kW)
at RPM	2800
Reverse-reduction gear ratio (standard)	2.82:1
Reverse-reduction gear ratio (optional)	2.09:1 or 1.53 :1
Engine rotation (looking forward)	Anti-clockwise
Propeller rotation (looking forward)	Clockwise
Number of cylinders	4
Bore and stroke	87.0 x 92.4 mm (3.43 x 3.64 in)
Swept volume	2197 cm <sup>3</sup> (134.07 cu in)

Cycle	4-stroke
Cooling system (standard)	Keel-cooling
Inclination, max. fore	30 °
Heel, max. continuous	25 °
Fuel consumption, full load	8.6 l/h (1.90 galls/h)
Air consumption	2676 l/min
Exhaust temperature	520 °C
Electric starter motor	12V (1.4 kW)
Charging alternator	14V, 50 Amp, 700W
Net weight, incl. gearbox	250 kg (551 lbs)
Installation drawing No.	009M8501

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

### EPA 48 Dimensions

