



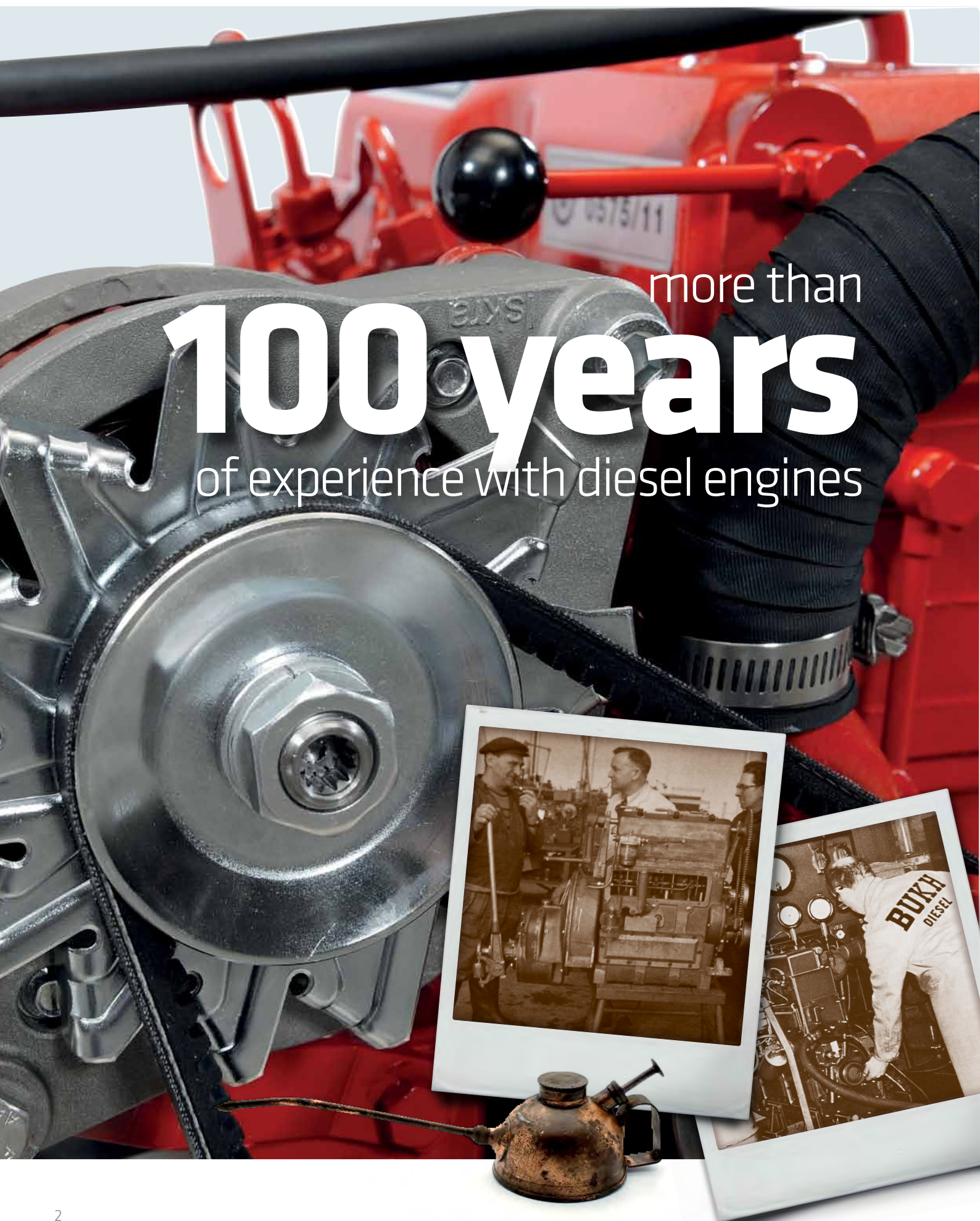
SOLAS AND OTHER COMMERCIAL APPLICATIONS

MARINE DIESEL ENGINES

BUKH 24-75HP / 75-500HP / 500-800HP



www.bukh.dk



more than
100 years
of experience with diesel engines



“Our goal is not short-term profit
but long-term success”

Søren Christiansen, CEO/Owner of BUKH A/S



BUKH – the most reliable marine engines in the world.

With more than **100 years of experience** BUKH A/S is one of the world's leading OEM manufacturers of Marine Diesel Engines for lifeboats, fast rescue boats and work boats.

Dedication to life and safety at sea is our number one priority

In **1995** we decided to merge our two companies **Motorfabriken Bukh A/S** and **Aabenraa Motorfabrik Heinrich Callesen A/S**. At first into the name of Aabenraa Motorfabrik – a name we changed to **BUKH A/S** in **2010**.

Lifeboat engines are our main product range. But the selection of engines has been extended to cover other power ranges and segments through close co-operation with acknowledged global partners who all share our vision of commitment and quality. The quality of our products is ensured by type approval of the engines and ISO certification of BUKH A/S.

From tractors and generators to lifeboat engines

Founded in 1899, Aabenraa Motorfabrik launched their **first marine engine in 1904**, the same year as Motorfabriken Bukh was founded. While Aabenraa Motorfabrik focused entirely on supplying fishing boats and freighters worldwide with heavy-duty Callesen engines, Motorfabriken Bukh engaged successfully in the tractor and emergency power generating segments and developed engines for small work boats and pleasure boats.

This kind of engine turned out to be very suitable for lifeboats, so Motorfabriken Bukh phased out the production of tractors and generators to focus on lifeboat engines.

Today we continue to improve our engines and extend our range to meet the markets' demands.

BUKH LIFEBOAT ENGINES

and Other Commercial Applications

24-75HP

- Lifeboats/Work Boats/Small Fishing Vessels and Other commercial applications
- Up to 6 different starting systems
- Hand start
- Cold Start certified down to minus 40° C
- 24-48HP
- SOLAS approved
- Heavy Duty Continuous rating
- 100,000+ manufactured



DV24



DV29



DV32



DV36



DV48

BUKH DV24 / DV29 / DV32 / DV36 / DV48

2 or 3 cylinders - 24/29/32/48 HP at 3600 rpm

The classic SOLAS approved BUKH DV is a genuine marine engine designed for a rough life at sea. It is a robust heavy-duty engine that meets the authorities' – and users' – uncompromising demands for operational reliability. The engine withstands idle life in the lifeboat under extreme weather conditions. All these features establish the BUKH DV engines as the first choice of many lifeboat builders.

SOLAS approved starting systems

The traditional electric start can be combined with

- Hand start
- Hydraulic start
- Spring start

For working in polar environments, we can install DNV certified cold starting system that operates down to -40°Celsius/-40°Fahrenheit.

More than 100,000 BUKH DV engines have been manufactured since the model was introduced.

A solid proof of durability and simplicity for any work environment!



EPA 28



EPA 36



EPA 48

BUKH EPA LIFEBOAT ENGINES

BUKH EPA 28 / EPA 36 / EPA 48

3 or 4 cylinders - 28/36/48 HP at 2800-3600 rpm

The BUKH EPA engine sets new standards for low exhaust emissions. It features pre-combustion chamber injection with glow plugs, which eliminates the need for vulnerable electronic devices for control of fuel volumes. The design meets the Tier 3 standards and all models have obtained US Coast Guard approval for use in lifeboats.

SOLAS approved starting systems

The traditional electric start can be combined with

- Hydraulic start
- Spring start

Standard and optional equipment for DV and EPA engines

There is a wide range of standard and optional equipment for DV and EPA engines. Reverse-reduction gear, wet sump lubrication system, operating remote panel and other kinds of features are standard on both types.

You can choose among different optional equipment such as spray pump, instrument panel, remote control, propeller or waterjet system and other accessories. For more details, see the leaflet on each model or www.bukh.dk.



FAST RESCUE BOAT ENGINES

and Other Commercial Applications



75-500 HP

- Wide power range to suit all customer demands
- Light, quiet and fuel efficient
- Compliant with strictest exhaust emission standards
- Cold start available down to minus 30°C
- SOLAS approved/other commercial applications



BUKH D6



BUKH M0



BUKH SE



BUKH D4

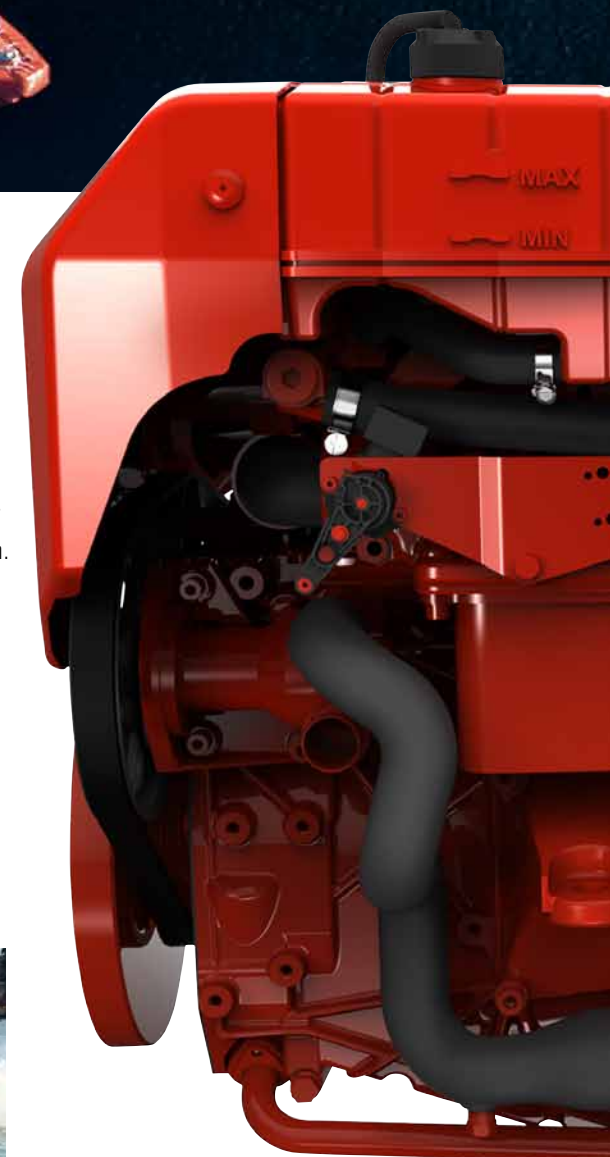
Emissions / Ratings

All models are with the newest injection and optimized combustion system ensuring that the engines satisfy the world's strictest exhaust emission standards.

The power range offers ratings from High Speed Craft rating to Medium Continuous Commercial rating, giving you a choice of engines suitable for <300 hours/year up to <3000 hours/year. See chart for more information.

For more details, see the leaflet for each model or www.bukh.dk.

The best choice for your fast rescue boat application!



BUKH POWER RANGE 75-500 HP

BUKH is your number one marine diesel engine supplier

BUKH offers an extensive range of tailor-made engines for fast rescue craft and a wide range of engines for other commercial applications, giving you the benefit of the experience that comes from being a high quality engine supplier since 1899.

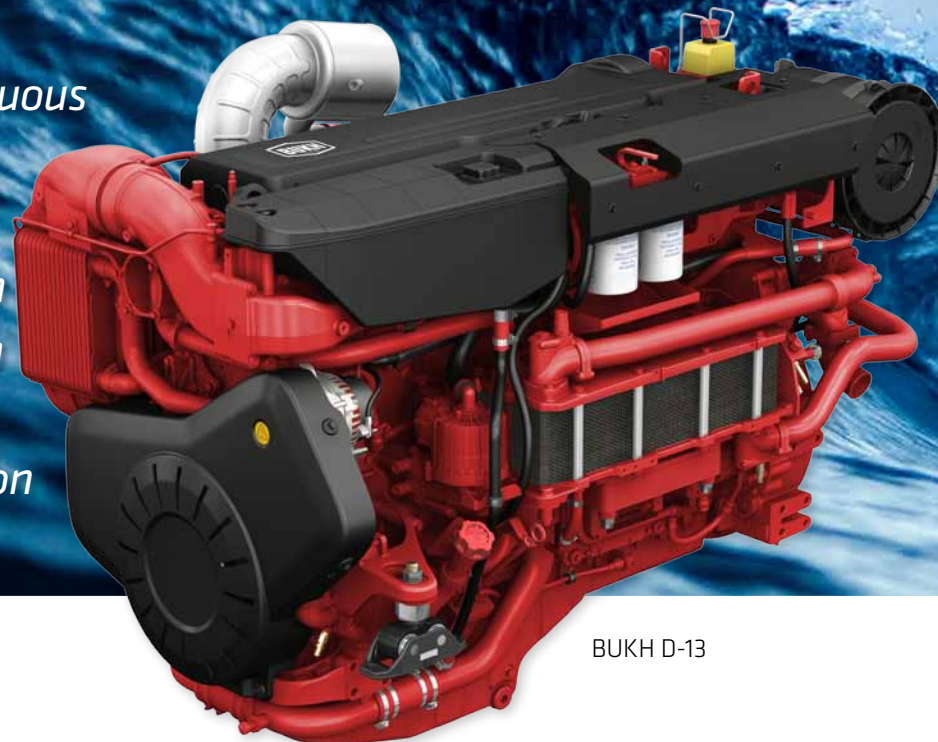
With our range of modern marine diesel engines and our focus on high power, fuel efficiency and compliant with strictest exhaust emission standards. We give our clients the perfect platform to make the right decision for the right engine from one supplier.

BUKH NEXT GENERATION

500-800HP Heavy Duty SOLAS Engines

500-800HP

- Compliant with strictest exhaust emission standards
- In-line 6 cylinder
- Light Duty to Continuous Duty ratings
- Unit injectors for efficient combustion
- Designed for a rough life at sea
- Low fuel consumption



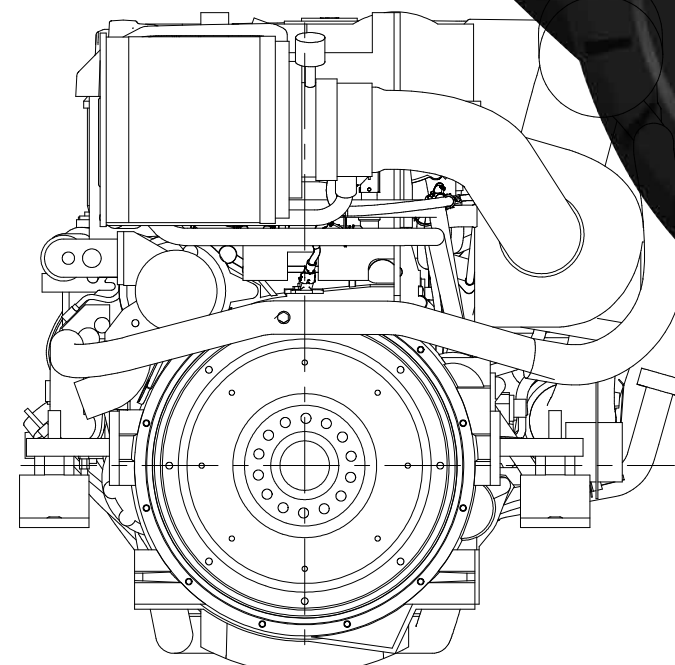
BUKH D-13

NEXT GENERATION
SOLAS ENGINES

BUKH D13 (Available 2017)

With the next generation BUKH SOLAS engines, BUKH meets the rising demand for more HP within the SOLAS segment with the brand new series from 500 to 800 HP. The engines are specially designed for commercial use and adapted to marine applications. The engine is solid built, with one full cast cylinder head, replaceable wet cylinder liners, lower stiffening frame to reduce vibrations/noise and the long life timing gears that ensure the commercial endurance of these engines.

For more details, see the leaflet for each model or www.bukh.dk.



ACCESSORIES AVAILABLE

Advanced Technology Equipment



NEXT GENERATION SOLAS ENGINES



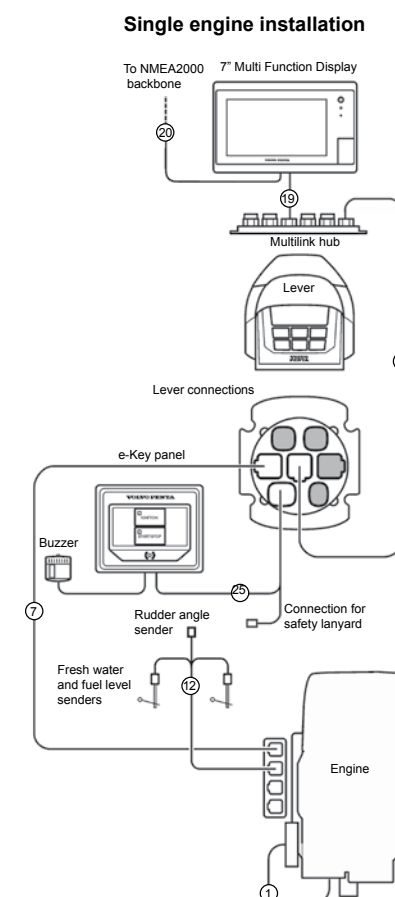
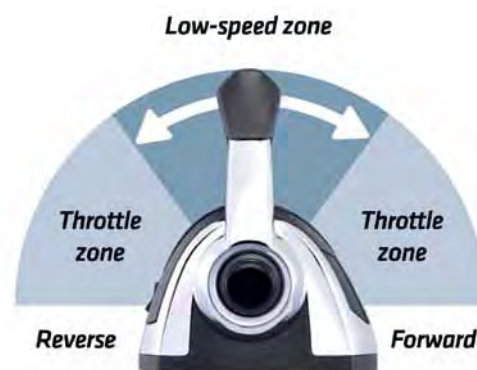
EVC - ELECTRONIC VESSEL CONTROL

- Single Lever Mode
- Cruise Control
- Trip Computer
- 7" Color Display
- E-key

LOW-SPEED MODE

Reduces boat speed at idling by 50%, ideal while performing person recovery/rescue operation or maneuvering in narrow spaces.

With this function the operator controls the boat speed with the throttle/gear lever. In the first 12 degrees of the lever movement after engaging the gear, the engine will remain at idle and the boat speed is reduced by a slip in the transmission.



CRUISE CONTROL

- Fingertip control
- Fine tune the speed
- Optimize fuel-efficiency
- Deactivates on throttle movement
- Perfect match with EVC Low Speed



Why choose a BUKH engine?

- *High quality*
- *Robust and reliable*
- *SOLAS approved*
- *World wide service network*
- *Compliant with strictest exhaust emission standards*
- *Marine engines - designed for a rough life at sea*
- *More than 100 years of experience with diesel engines*

Certificates and approvals

Det Norske Veritas Management System Certificate DS/EN ISO 9001:2008

Det Norske Veritas EC Type-Examination Certificate

Det Norske Veritas QS Certificate of Assessment - EC

Det Norske Veritas Cold Start Test at Minus 40°C Certificate

Det Norske Veritas Double Start Application

United States Coast Guard Accepted Lifeboat/Rescue Boat Engines meeting US EPA emission requirements

Russian Maritime Register of Shipping Type Approval Certificate



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

www.bukh.dk

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“Building on more than a century
of experience and dedication to
life and safety at sea.”



24-75 HP

LIFEBOATS
Other Commercial Applications



75-500 HP

FAST RESCUE BOATS
Other Commercial Applications



500-800 HP

HEAVY DUTY SOLAS
Commercial Applications



BUKH PRODUCT RANGE

MARINE DIESEL ENGINES

SOLAS AND OTHER COMMERCIAL APPLICATIONS

MARINE DIESEL ENGINES

BUKH 24-75HP / 75-500HP / 500-800HP

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Please find your local distributor on our website.

BUKH 009Å5020 - R01



powering **marine** safety

www.bukh.dk