

"KIT" No. DV24/29/32: 022D6613/6614 DV36/48: 023D6609	 powering marine safety Aabenraavej 13 - 17 DK-6340 Krusaa - Denmark Telephone: +45 74 62 20 88 Telefax: +45 74 62 74 07	009V0090
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COOLING WATER HEATER

All BUKH DV SOLAS approved lifeboat engines can be equipped with a cooling water heater for ships sailing in arctic zones.

The engines are in conformity with the latest EU Marine Equipment Directive and SOLAS regulations, but the cooling water heater is not part of the directive/regulations and it is not covered by the engine Type Examination Certificate.

The heater is only offered as an optional extra as per owner's requirement for operation in arctic zones.

TEMPERATURE

The cooling water heater is equipped with a thermostat regulating the temperature around 60°C. However, the operating temperature of the cooling water system may never reach this level because of the ambient temperature. The temperature in the cooling water system, warmed by the heater, will only be 10-20°C higher than the ambient temperature.

So if the ambient temperature is 5°C, the temperature of the engine (when not started and operated) will be between 5°C and 15°C, and this will be sufficient to help the engine start within the 2 minutes required by the SOLAS rules.

The switch on/off thermostat is just a safety protection for the engine, to prevent overheating of the engine when the ambient temperatures are high (during summer or when sailing in tropic areas).

POWER SUPPLY

The engine can be equipped with a cooling water heater for a ship voltage of 42/48 Volt. Fitting of the cooling water heater can be done after delivery of the lifeboat and engine, but normally the cooling water heater is fitted on the engine by BUKH before delivery. The cooling water heater is electrically connected by a power plug to the ship's power supply and the cooling water heater is connected all the time during standstill and while in the davits.

CAUTION!

The heater should not be switched on without water on the system.

INSTALLATION

1. For fitting after delivery of the engine, mount the bracket (included in kit) on the engine and place the cooling water heater on this bracket.
2. Connect the cooling water circuit between the water drain plugs on the exhaust manifold and the engine block by rubber hoses and clamping bands.

DV24-29-32 RME

Mounting of cooling water heater 022D6613



DV24-29-32 RME

Mounting of cooling water heater 022D6613
and 022D6614 for springstart



DV36-48 RME

Mounting of cooling water heater 023D6609

