

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Accommodation Heater**with type designation(s)
T2RIB

Issued to

TELCO FABRIKKER A/S
SELBU, Norway

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft**Application :****Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.****Rated power** 250 - 2000W
Rated voltage 115 V/230 V/400 V/440 V
Enclosure IP44Issued at **Høvik** on **2020-12-16**for **DNV GL**This Certificate is valid until **2025-12-30**.DNV GL local station: **Trondheim**Approval Engineer: **Nicolay Horn**

Marta Alonso Pontes
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Job Id: **262.1-005566-6**
Certificate No: **TAE0000105**
Revision No: **1**

Product description

Convection heater for accommodation use.

Type designation	Power rating (W)	Voltage rating (V)
T2RIB 025-1	250	115
T2RIB 03-1	300	115
T2RIB 04-1	400	115
T2RIB 05-1	500	115
T2RIB 08-1	800	115
T2RIB 10-1	1000	115
T2RIB 12-1	1200	115
T2RIB 16-1	1600	115
T2RIB 20-1	2000	115
T2RIB 025-2	250	230
T2RIB 03-2	300	230
T2RIB 04-2	400	230
T2RIB 05-2	500	230
T2RIB 06-2	600	230
T2RIB 08-2	800	230
T2RIB 10-2	1000	230
T2RIB 12-2	1200	230
T2RIB 16-2	1600	230
T2RIB 20-2	2000	230

Type designation	Power rating (W)	Voltage rating (V)
T2RIB 025-4	250	400
T2RIB 03-4	300	400
T2RIB 04-4	400	400
T2RIB 05-4	500	400
T2RIB 08-4	800	400
T2RIB 10-4	1000	400
T2RIB 12-4	1200	400
T2RIB 16-4	1600	400
T2RIB 20-4	2000	400
T2RIB 025-44	250	440
T2RIB 03-44	300	440
T2RIB 04-44	400	440
T2RIB 05-44	500	440
T2RIB 08-44	800	440
T2RIB 10-44	1000	440
T2RIB 12-44	1200	440
T2RIB 16-44	1600	440
T2RIB 20-44	2000	440

Application/Limitation

For dry and wet accommodation spaces. Only for fixed installation. Is designed with a top plate in accordance with our Rule Pt.4, Ch.8, Sec. 10, 2.1.6 d).

Type Approval documentation

Technical info:

Drawing no. T3201, Component list, Manufacturer's specifications
Manual Marine Heater – TELCO T2RIB, Rev. 000 Dated 12-02-2016

Test reports:

Nemko test reports nos. E12141.00 dated 2012-08-01, E09742.00 dated 2009-09-22 and 134715 dated 2009-11-03.

Tests carried out


Type tests in according to IEC 60335-2-30, Vibration test
Nemko test report – Vibration, issued 2012-08-01

Marking of product

TELCO FABRIKKER A/S – Voltage rating – Power rating – IP 44

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval is complied with and that no alterations are made to the product design or choice of materials.



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The main elements of the periodical assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routines (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment to be performed at 2 and 3.5 year and at renewal.

END OF CERTIFICATE