



Certificate No:
TAS00003NJ

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Weathertight Door

with type designation(s)
HB 6000

Issued to

Baggerød AS
HORTEN, Norway

is found to comply with

DNV-OS-C301 – Stability and watertight integrity, Edition July 2020 (Amended August 2021)
DNV rules for classification – Ships
DNV rules for classification – High speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2023-05-30**

This Certificate is valid until **2028-05-29**.

for **DNV**

DNV local unit: **East & South Norway CMC**

Approval Engineer: **Grzegorz Wolski**

Thomas Revheim
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 AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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.



Form code: TA 251

Revision: 2022-09

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Product description

Weathertight doors covered by this type approval are made of steel and are of the hinged type. Door leaf is made from outside from 3.0 stainless steel plate and closed with 1.5 mm stainless steel plate. Space between the plates is filled with insulation. Main plate is reinforced by profiles.

Door leaf is supported by four hinges and locked by three toggles.

For details, please see drawings stated under type approval documentation.

Application/Limitation

The doors have been Type Approved with respect to weathertightness only.

Maximum size: 1100 mm x 2100 mm (w x h)
Maximum window: 200 mm x 500 mm (w x h)
Maximum pressure: 35 kPa

These doors may be fitted in watertight bulkheads where the use of weathertight doors is accepted. The weathertight doors are found to comply with DNV-RU-SHIP Pt.3 Ch.12 Sec.3 (July 2021) and DNV-OS-C301 Ch.2 Sec.2 par.3 (July 2021) for maximum design pressures as specified above.

Dimensions of the weathertight doors can be smaller than shown on the drawings, as long as the distance between the cleats and the spacing of the stiffeners is equal to or less than values shown on listed drawings.

The Type Approval does not cover the supporting structure of the doors, which is subject to approval. Interface showing door frame and bulkhead shall be submitted for case-by-case approval by yard/end user.

Due consideration to installation shall be given if door is to be located in highly stressed areas or in areas critical to fatigue.

Type Approval documentation

Drawing No. NB-D-10-002-01 dated 29 August 2017 from manufacturer.
Drawing No. NB-D-10-092-01 from manufacturer.

Calculations No. CAP297001 dated 15 November 2017 from manufacturer.

Tests carried out

Test report N141M3EH Rev.0 dated 2018-08-27, witnessed by DNV Surveyor.

The complete installation is to be tested onboard. The tests are to be witnessed by a DNV surveyor.

Marking of product

The product is to be marked with:

- Manufacturer's name or brand
- DNV Type Approval Certificate No. TAS00003NJ
- Type designation
- Design pressure

Periodical assessment

DNV surveyor has the permission to perform Certification Retention Survey at any time during the validity period of this certificate. Periodical assessment will be required after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNV-CP-0338.