



Certificate no.:
TAM00001EJ

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Thruster Components

with type designation(s)
Azipod XO2100, Azipod XO2300

issued to

ABB Oy, Marine and Ports
Helsinki, Finland

is found to comply with

DNV rules for classification – Ships Pt.4 Ch.5 Rotating machinery – driven units

Application:

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

Issued at **Høvik** on **2025-05-14**

This Certificate is valid until **2030-05-13**.

DNV local unit: **Finland CMC**

for **DNV**

Approval Engineer: **Vidar Johansen**

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 USD 300 000.

Product description

Structural components to be used in azimuth propulsion pods of types Azipod XO2100 and XO2300.

Application/Limitation

The components have been assessed for main propulsion duty with the following pod ratings:

XO2100

Power (max): 20 500 kW

Ship speed (max): 26 knots

Thrust (max): 1250 kN

Tilt moment (max): 24 250 kNm

XO2300

Power (max): 22 000 kW

Ship speed (max): 26 knots

Thrust (max): 1260 kN

Tilt moment (max): 25 850 kNm

Type Approval documentation

Marking of product

The product shall be marked with type designation and manufacturer's name or trademark.

Periodical assessment

For retention of the Type Approval, a DNV surveyor shall perform an assessment after 2 years and after 3.5 years after the issue date of the Type Approval Certificate to verify that the conditions of the type approval are complied with. A renewal assessment will be performed at renewal of the certificate.

In cases where the Type Approved product is manufactured at other companies, the Periodical Assessment shall verify that the Type Approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore, periodical Assessment shall be carried out randomly at these companies.

END OF CERTIFICATE