



Certificate no.:
TACC000001S

TYPE APPROVAL CERTIFICATE

This is to certify:
that the Commercial Craft

with type designation(s)
Candela P12

issued to
Candela Technology AB
STOCKHOLM, Sweden

is found to comply with
DNV Standard DNV-ST-0342 - Craft, 2022

Application:
See next page.

Issued at **Høvik** on **2024-10-24**

This Certificate is valid until **2024-11-29**.

DNV local unit: **Sweden NB**

for **DNV**

Approval Engineer: **Per Annar Sandaune**

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 281

Revision: 2023-09

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Conditions

Type certification means that the boat builder has engaged himself to build boats in series identical to the prototype which the Society has inspected and found to be in accordance with the abovementioned standard. The production of the type certified boat is subject to surveillance by the Society, by inspection. Boats of the certified type are to be equipped with an individual certificate to be issued upon product survey.

The certification is based on the assumption that the boats will be handled in a seamanlike manner as stipulated in the standard.

Boat type

Boat type identification number:	663.01
Application of standard:	Requirements for decked craft Hull scantlings approved according to DNV RU-HSLC Class notation: 1A HSLC R3 Service
Additional certification standards:	Standard for certification No. 2.21 - Craft, 2010: Chapter 7 Craft with notation passenger IMO 2000 HSC Code Ch. 2.11 and Annex 7

Particulars

Length, Loa:	11.96 m
Beam incl. fenders, B max:	4.50 m
Draught incl. keel, max:	1.120 m (1.33 m harbour mode with retracted foils)
Height above waterline, incl. mast, max:	4.50 m
Weight of boat, incl. engine, equipment, net:	11682 kg ($\pm 4\%$ for subsequent builds)
Hull material:	Carbon fibre reinforced plastics
Propulsion:	Twin Candela C-Pod

Restrictions

Engine power, max/continuous:	2x 160/110 kW
Maximum load (persons, add. weight):	2395 kg
Number of persons, max:	26 persons (1 crew + 25 passengers incl. 1 wheelchair)

Special restrictions and additional comments:

Design vertical acceleration

Design vertical acceleration at center of gravity $a_{cg} = 1.0g$.

The operation of the craft has to be carefully adjusted to the wave pattern in terms of heading and reduced speed, to prevent excessive loads on the hull.

Technology Qualification (TQ)

DNV Maritime Advisory has together with Candela Technology AB been involved in the technology qualification (TQ) process intended to provide assurance that major risks for the use of the Candela P12, focusing on the mechanical and control system for the hydrofoil functionality, are identified and mitigated. Reference documents:

- Statement No. 2024-8988: Statement of qualified technology: Candela P12, issued 2024-10-21
- DNV-RP-A203 Technology qualification

List of pending items:

List of pending items to be rectified within the expiry date of this short term certificate:

1. Final stability booklet: The current approved final stability booklet shows that the stability of the Candela P12 is adequate with regards to the applicable standards. A number of approval comments are given to the content of the booklet (ref. approval letter M-SA-SP/PASAN/P40892-J-343). A revised booklet needs to be submitted for approval, taking into the account the given comments.
2. Anchor guide foundation: Drawing showing details of the anchor guide support structure in way of the aft and longitudinal bulkheads shown on drawing no. 2347-MP-001 Mooring equipment plan

Periodical assessment

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>