

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000086G

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

That the Launching appliances using fall (davits)

with type designation(s)
SAFE Davit AF-3000

Issued to

Kverneland Aqua AS
SANDNES, Norway

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2023/1667**,

item No. MED/1.21. SOLAS 74 as amended, Regulation III/4, III/23, III/33, III/34 & X/3, LSA Code, 2000 HSC Code 8 and IMO MSC.1/Circ.1632

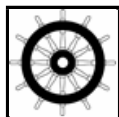
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-11-21**.

Issued at **Høvik** on **2023-11-22**

DNV local unit:
West Norway CMC

Approval Engineer:
Mats Asvald Innstø



Notified Body
No.: **0575**

for **DNV AS**

Sverre Olav Bergli
Head of Notified Body



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

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.



Product description

Rescue boat davit

- Maximum Working Load, MWL = 3000 kg

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with makers product certificates (3.1).
- The various components transferring the load like wires, shackles, hooks, etc. are to comply with international standard or code and are to be delivered with manufacturer's certificate, confirming a safety factor minimum 6 compared to the sustained load.
- Falls to be used with the launching appliance shall be of rotation-resistant and corrosion-resistant steel wire rope.
- Installation, onboard testing (MSC.81(70) part.2), support to the deck structure, and connection to power supply are not included in this examination and shall be accepted by attending surveyor in each case.

Type Examination documentation

<u>Drw No</u>	<u>Rev</u>	<u>Title</u>
KVAQ-4037-E-XT-201		Starter Cabinet HPU 35k
KVAQ-4037-N-XD-101	01	Detail Davit Structure
KVAQ-4037-N-XD-501	02	Pivot Point Hinge
KVAQ-4037-N-XD-502	02	Pivot Point Hinge
KVAQ-4037-R-XD-001	04	General Arrangement
KVAQ-4037-R-XD-301	1	General Arr - HPU
KVAQ-4037-R-XQ-001		CONTROL STATION TYP 2
KVAQ-4037-R-XQ-002		DAVIT TYP 3
KVAQ-4037-R-XQ-003		MANIFOLD
KVAQ-4037-R-XQ-004		HPU
KVAQ-4037-R-XS-501		Davit Pivot Pin
KVAQ-4037-R-XS-502		Cylinder pin bolt
KVAQ-4037-R-XS-515		Flange bushing
KVAQ-4037-R-XS-516		Davit Pivot Pin bushing
KVAQ-4037-R-XS-517		Wire Sheave Housing pin Bolt
KVAQ-4037-R-XW-001	02	Deck Reaction Forces
KVAQ-4037-R-XZ-001		Main dimensions
KVAQ-4037-R-XZ-301	1	Mech Assy - HPU
KVAQ-4037-R-XZ-501		Davit Pivot Hinge assy
KVAQ-4037-R-XZ-502		Cylinder Hinge assy
KVAQ-4037-Z-LA-001		Drawing list
KVAQ-4037-Z-MB-001	01	System description - Overview
KVAQ-4037-Z-MB-003		Operation Manual
KVAQ-4037-Z-MB-004		Maintenance Manual

Tests carried out

Prototype tested in accordance with IMO Resolution MSC.81(70) Part 1.

<u>Description</u>	<u>Report</u>	<u>Date(s)</u>	<u>Witnessed by</u>
Initial PTT	Circ. 1632	2023-10-20	DNV Kristiansand, Norway

Marking of product

Marking shall be implemented in accordance with the LSA Code, item 1.2.2.9 and the Directive:

- Type designation, manufacturer name and serial number
- Maximum Working Load, MWL

END OF CERTIFICATE