Certificate no.:
TAS00004HF

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Winch - General Application

with type designation(s)
Hoist winch EPH-15000-G

issued to
Dromec B.V.
Rhenen, Utrecht, **Netherlands**

is found to comply with

DNV standard DNV-ST-0378 – Offshore and platform lifting appliances

Application:

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

Issued at **Høvik** on **2024-11-27**
This Certificate is valid until **2029-11-26**.
DNV local unit: **Netherlands CMC**

for **DNV**

Approval Engineer: **Thomas Henrik Tranesen**

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
Offshore hoist winch intended for gangway support and height adjustment. Personnel handling.

Application/Limitation

Min design temperature	-20°C
FEM classification	L4/T3/M5
Max nominal line pull	100kN
Max dynamic line pull	150kN
Dynamic factor	1.50
Wire diameter	ø30mm
Wire MBL	830kN
Number of rope layers	3
Spooling capacity	135m
Min safety windings	3
Braking torque	800/880Nm (static/dynamic)

Type Approval documentation

General comments
- Motors, gears and brakes are not covered by this type approval. The components shall be delivered with separate certificates.
- Control system is not a scope of this type approval.
- Materials with 3.1 certificates shall be used for manufacturing of load carrying parts. Traceability shall be ensured by the manufacturer's quality system.

Tests carried out
- Charpy impact testing of the materials shall be carried out at or below minimum design temperature in accordance with DNV-ST-0378 Sec.3.2.2.
- Non-destructive evaluation shall be carried out in accordance with DNV-ST-0378 Sec.3.11.
- Functional and overload testing shall be carried out in accordance with DNV-ST-0378 Sec.14.

Marking of product
Each winch shall be marked in accordance with DNV-ST-0378 Sec.14.5.

Periodical assessment
For retention of the Type Approval, DNV surveyor shall perform periodical assessment 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.