Certificate No:
TAS000033H

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
Air conditioning unit transport frame

Issued to
Nucore Group Ltd
Aberdeen, **United Kingdom**

is found to comply with
DNV GL standard DNVGL-ST-E271 – 2.7-1 Offshore containers, January 2021
ISO 10855:2018 Offshore containers and associated liftings sets – Design, manufacture, testing, inspection and marking
IMO/MSC Circular 860

Application :

Max. gross mass (kg)	**1772**
Max. payload (kg)	**340**
Max. sling leg angle	**45**
Enhancement factor	**N/A**

Issued at **Aberdeen** on **2021-06-30**
This Certificate is valid until **2026-06-29** .
DNV local unit: **Aberdeen**

Approval Engineer: **Jack Moffatt**

for **DNV**

Elisabeth Legg
Principal Engineer

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.

Manufactured by

DNV CIM No.: 1214486

Local DNV Office: Aberdeen

Responsibility

Nucore Group Ltd takes full responsibility that both the design and production are in compliance with the Rules, Standards and / or Regulations listed on page 1 of this type approval certificate.

Product description

Type	Maximum external dimensions (LxWxH)	Tare mass*
DNV Lifting Frame - 25kW A/C Unit	2150 x 1050 x 2430 mm	1432 kg

*) Tare mass is to be confirmed by weighing. The sum of payload and tare shall never exceed the maximum gross mass stated on the front page of this certificate.

Application/Limitation

Type	Design temperature	Minimum shackle bolt diameter
DNV Lifting Frame - 25kW A/C Unit	-20 °C	22.0 mm

The DNV surveyor shall witness all important production and testing events and issue a certificate for each container. The certificate is only valid when the container is fitted with a DNVGL-ST-E271 certified lifting set.

Type Approval documentation

Tests carried out

Prototype No. NUC-ACFR-001 / JBS 026 tested in accordance with DNVGL-ST-E271.

Marking of product

Each container to be marked in accordance with DNV / ISO requirements, including:

- Data and inspection plates
- DNV emblem for offshore containers
- VL mark to be hard stamped on the data plate
- Manufacturer's Serial Number to be welded on frame

Periodical assessment

In order to maintain the validity of the type approval certificate, periodical assessments should be carried out according to DNVGL-SE-0284 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised with other surveys and audits carried out.

END OF CERTIFICATE