



Certificate No:
TAS00003GR

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Portable Offshore Units

with type designation(s)
Hydraulic Winch Unit

Issued to

Machinefabriek Emce B.V.
Voorhout, Zuid-Holland, Netherlands

is found to comply with

DNV standard DNV-ST-E273 – 2.7-3 Portable offshore units, April 2016 (Amended October 2021)

Application :

Max. gross mass (kg) 40000
Max. payload (kg) 10000
Max. sling leg angle 30

Issued at **Aberdeen** on **2022-09-30**

This Certificate is valid until **2027-09-29** .

DNV local unit: **Rotterdam**

Approval Engineer: **Yann Emeriau**

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.



Form code: TA 281

Revision: 2021-10

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Job Id: 262.1-037674-1
Certificate No: TAS00003GR

Manufactured by

DNV CIM number: 109302

DNV local office: Rotterdam

Responsibility

Machinefabriek Emce B.V. takes responsibility that both design and production are in compliance with the Rules, Standards and/or Regulations listed on page 1 of this Type Approval Certificate.

Product description

Maximum external dimensions (LxWxH)	: 6600 x 4000 x 4000 mm
Tare mass*	: 30000 kg
Type	: A
Operational Class	: R30

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

Application/Limitation

Shackle size	: 25 t
Resultant sling force (RSF)	: 460 kN
Minimum design temperature	: -20 °C

DNV surveyor to witness important production and test events and issue Form no. MOP 201 "Certificate for Portable Offshore Unit" for each unit.

Type Approval documentation



Job Id: **262.1-037674-1**
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Tests carried out

Prototype tested in accordance with DNV-ST-E273.

Marking of product

Marking is to be carried out in accordance with to DNV-ST-E273 section 6.

Periodical assessment

In order to maintain the validity of the type approval certificate, periodical assessments should be carried out according to DNV-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