



TYPE APPROVAL CERTIFICATE

Certificate No:
TAM0000072
Revision No:
1

This is to certify:

That the **Air Compressor**

with type designation(s)
Series: Delta Hybrid

Issued to
Aerzener Maschinenfabrik GmbH
Aerzen, Niedersachsen, Germany

is found to comply with
DNV rules for classification – Ships

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV.

Max. working press.: 2,5 bar
Operating media: Air, Nitrogen

Issued at **Hamburg** on **2021-10-28**

This Certificate is valid until **2026-10-27**.

DNV local station: **Magdeburg**

Approval Engineer: **Christian Kaemmer**

for **DNV**

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Olaf Drews
Head of Section

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.



Product description

Compressor unit DELTA HYBRID: Twin-shaft rotary piston machine, belt driven
Principle of positive displacement combined with internal compression.

The compressor unit consists of the main components compressor stage, base frame, inlet- and discharge silencer, safety valve, e-motor, v-belt drive and control panel.

Motor Power:	7,5 –400 kW
Flow Rate:	180 – 8.900 m3/h
Differential pressure:	1,5 bar max.

Materials

Housing:	EN-GJL-250
Main- and Auxiliary Rotor:	C45+N

Application/Limitation

Compressor units may be applied for general purposes on board DNV classified vessels except for functions as stipulated in DNV Rules 4 – 5 -4, item 1.1.

Type Approval documentation

Tests / Audits carried out

Marking of product

The product shall be marked with manufacturer's name, year of construction, effective volume flow rate [m3/h], discharge pressure [bar], speed [rpm], shaft power [kW], serial number.

Periodical assessment

For retention of the Type Approval, a DNV Surveyor shall perform periodical assessment to verify that the conditions for the Type Approval are complied with. Refer to the Class Programme DNVGL-CP-0338, Sec.4.

To check the validity of this certificate, please look it up in <https://approvalfinder.dnvgl.com>