DNV·GL

Certificate No:
TAM00000Z4

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Air Compressor

with type designation(s)
ESD, FSD

Issued to
Kaeser Kompressoren SE
Coburg, Germany

is found to comply with
DNV GL rules for classification – Ships Pt.4 Ch.5 Rotating machinery – driven units

Application :

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

Type	Max. working press.:	Operating media:
ESD	14 bar	Air, Nitrogen, Inert Gas
FSD	14 bar	Air, Nitrogen, Inert Gas

Issued at **Hamburg** on **2018-09-28**
This Certificate is valid until **2020-01-19**.
DNV GL local station: **Augsburg**

Approval Engineer: **Christian Kaemmer**

for **DNV GL**

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.

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Job Id: **262.1-029373-1**
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Product description

Oil injected screw compressor; water cooled

Type:	**ESD**	**FSD**
Capacity F.A.D. [m3/min]	23.3 – 56.5	22.9 – 57.0
Max. working pressure [bar]	14	14
Revolutions [1/min]	1800	1500
Power supply [kW]	200 - 390	200 – 335

Application/Limitation

Production of compressed air, nitrogen, inert gases up to 14 bar (g) for nitrogen generation, for cleaning application, instrument air, control air, working air for pneumatic tools or other pneumatic equipment.

All parts subject ot pressure of the compressors shall be hydraulically pressure tested to 1.5-times the design pressure. Function testing shall be carried out on each compressor in the presence of a surveyor. Electric motors shall be delivered with DNVGL product-certificates as required by the Rules Pt.4, Ch.8, Sec.1 Table 3.

Type Approval documentation

Marking of product

The compressor to be marked with manufacturer's name or trademark and type number identification.

Periodical Assessment

For retention of the type approval certificate periodical assessments shall be carried out at production places by DNVGL surveyor.
The objective of the periodical assessment is to verify that the design and production conditions for the type approval have not been altered.

Main scope of the assessment:
- verification of the production and quality control system
- review of quality control documentation of recent deliveries
- review of drawings in production to verify any design changes which may have an impact on data specified in the type approval certificate, performance and range of application
- verification of the product marking

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.