DNV·GL

Certificate No:
TAM000014Y

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Air Compressor Unit

with type designation(s)
SC 15 and SC 22

Issued to
Renner GmbH
Güglingen, Germany

is found to comply with
DNV GL rules for classification – Ships
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.

Issued at **Hamburg** on **2019-12-20**
This Certificate is valid until **2024-12-19**.
DNV GL local station: **Augsburg**

for **DNV GL**

Approval Engineer: **Ana Cristina Do Carmo Insfran**

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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Product description

Air compressor unit, screw type, frame mounted. The air compressor unit consists of the following main components:

- Intake filter
- Intake valve
- Control unit
- Electric motor
- Air end
- Temperature sensor
- Oil separator
- Safety valve
- Oil thermo valve
- Oil/Air cooler
- Oil filter
- Pressure sensor 0-15bar/ 0-20 bar

Materials:

Product	**Materials**	**Standard**
Male/Female Rotor	EN-GJS-700-2	EN 1563
Rotor Casing	EN-GJL-250	EN 1561

Application/Limitation

The air compressor unit is type approved for class III-piping systems for compressed-air applications.

	bar	**SC 15 400V – 50 Hz**	**SC 15 440V – 60 Hz**	**SC 22 400V – 50 Hz**	**SC 22 440V – 60 Hz**
Operating pressure/capacity (F.A.D.) @gauged pressure [m³/h]	8	80	95	106	117
	10	70	85	100	115
	12	67	76	93	98
	13	63	71	90	93
Nominal Power [kW]		11	11	15	15
Speed [rpm]		2970	3560	2970	3560
Design Pressure [bar]		13	13	13	13

Type Approval documentation

Tests carried out

Performance Test, Burst pressure Test Air Cooler.

Marking of product

Type; Manufacturing No.; Manufacturing year; Motor power; Max. working pressure; Capacity FAD

Periodical assessment

A condition for retention of the type approval certificate in its validity period is that periodical assessments are successfully carried out. The objective of the periodical assessment is to verify that the conditions for the type approval have not been altered. Regulations for the periodical assessment of the type approval certificate are to be find in the DNVGL Class Programme CP-0338.

It is further to be noted that the Society shall be informed of any:
Modifications to the product which are liable to affect its characteristics and functions, as originally specified and tested;
Shifting of the production site and additional production site.

If such notifications are not made, the validity of the type approval certificate terminates.