

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Aerzener Maschinenfabrik GmbH
Address	Reherweg 28, Aerzen, 31855, Germany
Type	Air Compressor
Description	<p>Delta Blower unit consists of the main components Rotary Piston Blower stage, base frame, inlet and discharge silencer, safety valve, E-motor, V-belt-drive and control panel.</p> <p>Delta Screw unit consists of the main components Screw Compressor stage, base frame, inlet and discharge silencer, safety valve, E-motor, coupling and control panel.</p> <p>Delta Hybrid unit consists of main components Rotary Piston Compressor stage, base frame, inlet and discharge silencer, safety valve, E-motor, V-belt-drive and control panel.</p>
Trade Name	Delta Blower, Delta Screw, Delta Hybrid
Application	Supply of low pressure, oil free air for non-essential systems in ships classed or intended for Classification with Lloyd's Register.
Specified Standard	Lloyd's Register Rules and Regulations for the Classification of Ships, July 2021

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This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 16/20081

The Design Appraisal Document HTS/ENS 34907-16, Issue 1 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Appendix

TYPES

Delta Blower:

GM 3 S, GM 4 S, GM 7 L, GM 10 S, GM 15 L, GM 25 S, GM 30 L, GM 35 S, GM 50 L, GM 60 S, GM 80 L, GM 90 S, GM 130 L, GM 150 S,

Delta Screw:

VM 30, VML 35, VM 45, VML 60, VM 75, VM 85, VML 95, VM 100, VM 140, VML 150, VML 250,

Delta Hybrid:

D 12 H, D 12 S, D13S, D 17 L, D17S, D 24 H, D 24 S, D 25 S, D 28 L, D 30 S, D 36 H, D 36 S, D 46 L, D 52 S, D 62 H, D 62 S, D 75 L, D 76 H, D 76 S, D 98 H, D 98 S, D 152 H, D152 S

RATINGS

Type	Capacity	E-Motor	Difference pressure
Delta Blower	30 – 15000 cbm/h	1,5 to 355 kW	up to 1,0 bar
Delta Screw	350 - 15000 cbm/h	30 to 800 kW	up to 3,5 bar
Delta Hybrid	100 – 9000 cbm/h	7,5 to 315 kW	up to 1,5 bar