Certificate No: LR2095442TA
Issue Date: 18/12/2020
Expiry Date: 25/06/2025

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	**HS-Cooler GmbH Wittenburg**
Address	Suedring 2, Wittenburg, 19243, Germany
Type	Heat Exchangers
Description	Heat Exchanger TYPES: KS 12, KS 20, KS 25
Trade Name	KS 12, KS 20, KS 25
Application	As Heat Exchangers for oil, seawater, freshwater and refrigerants in ships, offshore installations or industrial services classed or intended for Classification with Lloyd's Register.
Specified Standard	Lloyd's Register Rules and Regulations for the Classification of Ships, July 2020; AD-2000 Merkblatt

Ratings

Pressure Stage	x	y	z
Shell Side	130°C/16 bar	100°C/30bar	100°C/25bar
Tube Side	130°C/10 bar	100°C/10bar	80°C/25bar

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A member of the Lloyd's Register group

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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: 00/20008(E3)

The Design Appraisal Document HMD 2233-00, Issue No. 5 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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