Certificate No: LR2001488TA
Issue Date: 30/01/2020
Expiry Date: 12/02/2023

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	**FELM S.R.L.**
Address	Via Varese, 17, Inveruno (MI), 20010, Italy
Place of Production	WUXI ORIGINAL MECHANICAL & ELECTRICAL CO., LTD No. 8 Ludai Road, Yangshan Town, Huishan District, Wuxi, Jiangsu Province, China
Type	Electric Motors (Environmentally Tested)
Trade Name	AC Electric Motors
Application	Marine, Offshore and Industrial applications.
Specified Standard	IEC 60034-1:2017 IEC 60034-2-1:2014 IEC 60034-30-1:2014 Lloyd's Register Rules and Regulation for the Classification of Ships - Part 6, Chapter 2, Section 9
Ratings	Rated Power [kW]:0.12 ÷ 355 Rated Voltage [V]: ≤690 Rated Frequency [Hz]:50 / 60 or Frequency Converter Fed Efficiency Classes: IE2 and IE3 Shaft Height [mm]: 80÷ 400 Poles Number: 2 – 4 –6

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Maurizio Crucil

TTSO Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Insulation Class: F
Degree of Protection IP55 or IP 56
Duty Type: S1

Other Conditions

Temperature Rise for Lloyd's Register application have to be within insulation class F limits as per Lloyd's Register Rules and Regulation for the Classification of Ships, Part 6, Chapter 2, Section 9.

The present Certificate is intended as the amendment of Type Approval Certificate 18/00014

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.

The Design Appraisal Document No. LR2001488DA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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