Certificate No: LR25398941TA
Issue Date: 17/12/2025
Expiry Date: 16/12/2030

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	**BEVI ELECTRIC (SHANGHAI) CO., LTD.**
Address	Rm 801, 201 Xinjinqiao Rd, China Free Trade Pilot Zone, Shanghai, 201206, China
Place of Production	Jiangsu Dazhong Electric Motor Co ., Ltd NO.66-68 Dazhong Road, Jishi Town, Jingjiang City, Taizhou City, Jiangsu, 214500, China
Type	Electric Motors
Description	3D 80-355 Series, Low Voltage Three-Phase Induction Motor
Trade Name	3D 80-355 Series
Application	Marine and Offshore use
Specified Standard	IEC 60034-1:2022 with all relevant parts IEC 60092-301:1980/AMD2:1995 IACS UR E13 (Rev. 3 Dec 2020 & Corr.1 May 2022)
Ratings	Rated Output: 0.55 kW up to 378 kW Rated Voltage: 220V up to 690V Rated Frequency: 50Hz, 60Hz Number of poles: 2, 4, 6 & 8 Insulation class: F

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Thorsten Wolff

Electrical & Control - Senior Specialist to
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Ambient air temp: 45°C (Maximum 60°C by derating)
Type of Enclosure: IP55 & IP56
Frame Size: 80 to 355
Duty type: S1

Other Conditions

The motors are designed for an ambient temperature. When the motors are intended for use in areas where the ambient temperature is greater than ratings, de-rating factors should be applied for motors according to the manufacturer's recommendation.

For installation in non hazardous area. Not used for driving propellers.

All motors of 100 kW and over, intended for essential services, are to be surveyed by the surveyor during manufacture and testing acc. to the applicable Rules and currently as follows:-
- LR Ship Rules, Part 6, Chapter 2, Clause 9.1.4 and
- LR Special Service Craft Rules , Part 16, Chapter 2, Clause 9.1.4

Where the motors are intended for essential services the shaft materials are to comply with the applicable Rules and currently as follows:
- LR Rules for the Manufacture, Testing and Certification of Materials (Rules for Materials);
- LR Ship Rules, Part 6, Chapter 2, Clause 9.1.5 and
- LR Special Service Craft Rules, Part 16, Chapter 2, Clause 9.1.5

S2-S9 duties are also available. Duty cycle tests according to IEC 60034-1 are to be carried out based on contract specification

Type Approval does not eliminate the need (as required by LR Rules) the requirements for further review or for the product to be further inspected and/ or surveyed to be installed in ships classed or intended to be classed with LR. If the specified standards are amended during the validity of this certificate, the product is to be reapproved prior to it being supplied to vessels to which the amended standards apply.

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Type Approval Certificate

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 TSO/25-038883/CW/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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