Certificate No: LR26112151TA
Issue Date: 17/03/2026
Expiry Date: 30/08/2030

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 **Rotor B.V.**

Address Mors 2, Eibergen, 7151 MX, Netherlands

Place of Production Rotor B.V.

Mors 2, Eibergen, 7151 MX, Netherlands

Type Electric Motors

Description

RN	FRAME & SIZES	56-90
RNV	FRAME & SIZES	56-90
RNA	FRAME & SIZES	100-160
RNAV	FRAME & SIZES	100-160

Trade Name Asynchronous low-voltage motors with aluminium enclosure

Application Marine, Offshore and Industrial use

Specified Standard IEC 60034-1:2022 with all relevant parts
IEC 60092-301:1980/ AMD2:1995

Ratings Output: 0,1 - 18,5 kW
Voltage/Freq.:

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CHETAN WAGH

Senior Specialist Electrical & Control to Lloyd's Register Marine and Offshore India LLP

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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3 x 230V/50Hz – 60 Hz
3 x 400V/50Hz –60 Hz
3 x 440V/50Hz –60 Hz
3 x 460V/60Hz
Other voltage on request
Ambient air temperature: 45°C
Insulation Class.: F
Type Enclosure IP55 and IP56
Number of poles: 2, 4, 6, 8, 10 and 12

Other Conditions

The motors have to be surveyed at the manufacturer's works, where the results of class witnessed type tests of temperature rise taken on a machine identical in rating and in all other essential details may be accepted in conjunction with abbreviated tests.

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.

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 Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2023232TA

The Design Appraisal Document TSO/25-047802-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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