



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	Van Houcke N.V.
Address	Vlamingveld 32, Jabbeke, 8490, Belgium
Type	Electric Motors
Description	Low voltage Asynchronous Motors with Aluminium or Cast Iron Enclosure
Trade Name	ITZ9..., ITZ5..., IPC1...
Application	Marine and Offshore
Specified Standard	IEC/EN 60334-1:2010 with all relevant parts IEC60092-301:1980,including Amd 1:1994 and Amd 2:1995
Ratings	Refer to Appendix for full details
Other Conditions	All motors of 100Kw and over, intended foressential services are to be surveyed by the surveyor attending, to applicableRules and Currently as follows: - Ships Rules July 2023, Part 6 Chaters 1 &2 - Special Service Craft Rules July 2023, Part 16Chaters 2,9.1.4

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

Matt Higgins

Electrical & Control - Senior Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



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.

Previous Version: LR2470635TA

The Design Appraisal Document LR2470635TA-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.





ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2470635TA-01

Appendix LR2470635TA-01

Rated Output	0.18kW up to 580kW
Synchronous Speed	750 to 3600rpm
Rated Voltage	200 to 690V
Rated Frequency	50Hz, 60Hz, converter operation \leq 690V
Number of Poles	2,4,6,8 and pole changing types
Insulation Class	155(F), 180(H)
Ambient Temperature	-20°C...+45°C/+50°C
Type Enclosure	IP55,IP56,IP65 or IP66
Frame Size	63M up to 355L