



Type Approval Certificate

[Electric Motor]

Initial Approval 2 September 2022
Manufacturer Wuxi Original Mechanical & Electrical Co., Ltd.
No.8. Ludai Road, Yangshan Town, Wuxi city, Jiangsu Province China

Product Description Three-phase induction motor
- Type : OMD (X) -250 ~ OMD (X) -355
OMT (Y) -80 ~ OMT (Y) -355

“ See Appendix 1 ”

Approval Condition “ See Appendix 1 ”



THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 6, Ch. 1, Sec. 3 of the Rules for Classification, Steel Ships

This Certificate is valid until 1 September 2027
Issued at Shanghai, China on 2 September 2022



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME22026239585) and certificate No.(SHI46042-EL001).



KOREAN REGISTER

*General Manager of
Technical Support Team
CHINA KR Co., Ltd.*

- Note :**
1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
 2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
 3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
 4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Product Description and/or Approval Condition

Date of Issue : 2 September 2022

A. Product Description

1. Product Specification

- 1) Product Description
Three phase induction motor for marine use with cast iron frame

a) OMD(X)-250 ~ OMD(X)-355

- Frame sizes : H250 ~ H355
- Rated voltage : AC 220 ~ 690 V
- Frequency : 50/60 Hz
- Rated power : 37 ~ 710 kW
- Speed : 750 ~ 3600 rpm
- Number of poles : 2, 4, 6, 8
- Duty type : S1
- Insulation class : F
- Degree of protection : IP23
- Amb. Temp. : -15 ~ +50°C

b) OMT(Y)-80 ~ OMT(Y)-355

- Frame sizes : H80 ~ H355
- Rated voltage : AC 220 ~ 690 V
- Frequency : 50/60 Hz
- Rated power : 0.75 ~ 500 kW
- Speed : 750 ~ 3600 rpm
- Number of poles : 2, 4, 6, 8
- Duty type : S1
- Insulation class : F
- Degree of protection : IP55, IP56
- Amb. Temp. : -15 ~ +50°C

2. Approved Drawings and Documents

- 1) Drawings and Specifications
- Approved drawing package dated 6th Apr, 2022

3. Test Reports, etc.

- 1) Performance test report no. 20220725004, 20220725006, 20220720007,
20220211002, 20220721007, 20220702001
- 2) Environmental test report no. 221AP08D32-00013.1, 221AP08D32-00013.02,
22TAS01P08D32-00261.1, 22TAS01P08D32-00261.2

B. Approval Condition

1. Application & Limitation

- 1) This approval is granted on the basis of the test reports and the approved documents.
- 2) Degree of protection shall be complied with Rule Pt. 6 Ch. 1 Sec. 2 201.2. (5).
- 3) The manufacturer should inform this Society of all kinds of revisions of the equipment. If the changes are recognized to affect functionality of the approved equipment, type test to confirm the reliability of the revised equipment may be performed in the presence of our surveyor.
- 4) The shaft materials for Electric Motors of 100 kW and above are to be of certified by this Society.

2. Individual Product Cert. and Drawing Approval Requirement

- 1) As long as the motors are covered by Type Approval, drawing approval for individual vessel will not be required.
- 2) Individual Product Certification is required.

3. Marking

- 1) The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.

4. Others

N/A

< End of Certificate >