Certificate No:
TAE00004GN

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Motor

with type designation(s)
OMT(X)-80 .. OMT(X)-355, OMD(X)-250 .. OMD(X)-355

Issued to
Wuxi Original Mechanical & Electrical Co., Ltd.
Wuxi, **China**

is found to comply with
DNV rules for classification – Ships, offshore units, and high speed and light craft
DNV class programme DNV-CP-0393 – Type approval – Rotating electrical machines

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Type	Degree of protection	Insulation class	Temp. class (°C)	Voltage (V)	Power (kW)	Frequency (Hz)	Speed (RPM)
OMT(X)-80 .. OMT(X)-355	IP55 / IP56	F / H	155 / 180	220...690	0.75...500	50 / 60	450...3600
OMD(X)-250 .. OMD(X)-355	IP 23	F / H	155 / 180	220...690	37...710	50 / 60	750...3600

Issued at **Hamburg** on **2022-04-20**
This Certificate is valid until **2027-04-19**.
DNV local station: **Jiangyin NB & CMC**

Approval Engineer: **Andreas Andrecht**

for **DNV**

Arne Schaarmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

Three-phase asynchronous motor

Type:	OMT(X)-80 to OMT(X)-355
Insulation class:	F(155°C) / H(180°C)
Frame size range:	H80 to H355
Power range:	0.75kW to 500kW
Voltage:	220V to 690V
Frequency:	50 / 60Hz
Pole:	2 / 4 / 6 / 8P
Duty:	S1
Speed range:	750r/min to 3600r/min
Protection class:	IP55 / 56

Three-phase asynchronous motor

Type:	OMD(X)-250 to OMD(X)-355
Insulation class:	F(155°C) / H(180°C)
Frame size range:	H250 to H355
Power range:	37kW to 710kW
Voltage:	220V to 690V
Frequency:	50 / 60Hz
Pole:	2 / 4 / 6 / 8P
Duty:	S1
Speed range:	750r/min to 3600r/min
Protection class:	IP23

Application/Limitation

This Type Approval Certificate does not replace the project-based product certificate as required by DNV.

Type Approval documentation

Tests carried out

Tests carried out in accordance with DNV type approval class program for rotating electrical machines DNV-CP-0393 Edition January 2022.

Marking of product

According with IEC 60034-1, clause 10.2

Place of manufacturing

Wuxi Original Mechanical & Electrical Co., Ltd.
Wuxi; China

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection of factory samples, selected at random from production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of Type Approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability of the manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years.
A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE