



STATEMENT Nr. 2018/XF/812

On the basis of the examination of the documentation submitted, and following the satisfactory outcome of the inspection carried out, it is hereby stated that:


Name of the Manufacturer **ABB OY, MOTORS AND GENERATORS**

Address **Strömbergin Puistotie 5A, FIN-65101 Vaasa, Finland**

is admitted to the **Alternative Testing Scheme**, according to the "RINA Rules for Testing and Certification of Marine Materials and Equipment" for

Product **LOW VOLTAGE ASYNCHRONOUS ELECTRIC MOTORS**

at the following conditions:

- The products are to be manufactured in accordance with drawings approved by RINA.
- Inspections and tests during production and on finished products are to be performed in compliance with the production Quality Control Plan doc. no. N/A approved by RINA.
- The Manufacturer is to perform the inspections and tests required by the RINA Rules, to issue the certificate of conformity and mark the products with the stamp 
- The following inspections and tests are to be carried out in the presence of the RINA Surveyor:
All types of motors which not included in Annex 1 to this Statement

Periodical audits at Manufacturer premises, according to the schedule included in the attachment to this statement, are satisfactorily carried out by RINA.

Issued at Helsinki (FIN) on 10/12/2018

This certificate is valid until

10/12/2023

This certificate consists of this sheet plus an attachment

RINA



RINA

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ATTACHMENT TO STATEMENT Nr. 2018/XF/812

General conditions for the statement validity

1. The application is to be forwarded to RINA Helsinki Office using RINA form for any single Purchaser's Order, indicating "Firm provided with RINA Alternative Testing Scheme (statement reference number)". RINA will send the relevant File Number to the Manufacturer.
2. The products are to be produced, inspected and tested in compliance with the Quality Control Plans / Inspection and Test Plans (Q.C.P. / I.T.P.) approved by RINA. The names of the personnel appointed by the Manufacturer as responsible for any phase of the production and control process is to be clearly stated on relevant Q.C.P. / I.T.P.
3. Remarks on approved drawings are to be dealt with as follow:
 - 3.1 Type A remarks: written answer is to be submitted to RINA Plan Approval Centre. RINA Helsinki Office is to be provided with copy of the correspondence and acceptance by RINA Plan Approval Centre.
 - 3.2 All other remarks are to be dealt with by the Manufacturer. RINA Helsinki Office is to be provided with relevant documented evidence.
4. The Manufacturer is to agree with RINA the dates of execution of inspections and tests to be witnessed by RINA Surveyor, as required by the relevant Q.C.P. / I.T.P.
5. On completion of the inspection and tests required by the relevant Q.C.P. / I.T.P., the Manufacturer is duly authorized to issue the following documents:
 - 5.1 Certificate of Conformity (RINA Form "COLALT"), duly endorsed and marked on Manufacturer's field.
 - 5.2 Manufacturer's relevant inspection and test reports signed by the appointed personnel.
 - 5.3 Evidence that the remarks on the approved drawings have been dealt with, as applicable.
6. One set of the above documents are to be sent to RINA Helsinki Office before the delivery of the products. Upon satisfactory review of the above documentation, RINA Helsinki Office will send back (by mail) COLALT certificates duly endorsed, stamped and the relevant invoice.
7. Upon receipt of the certificates, the Manufacturer is authorized by RINA to mark the products with the RINA stamp and the RINA file number.
8. Products are to be delivered once provided with the RINA Stamp and the relevant RINA "Certificate of Conformity" COLALT duly endorsed by RINA.
9. Any "non conformity notice" or "client / shipyard claim" is to be forwarded to RINA Helsinki Office with relevant "corrective actions" taken as soon as possible.





ATTACHMENT TO STATEMENT Nr. 2018/XF/812

10. The validity of the present Statement is subjected to the satisfactory result of the intermediate audits and the Manufacturer premises, carried out according to the table included in this attachment. RINA reserves all the rights to perform unscheduled audits.
11. Any modification to the initial conditions (e.g. relevant to design characteristics of the product, production and control procedures, suppliers of main components) are to be promptly communicated to RINA which reserves the right to require additional assessments.
12. In any case, RINA Surveyors are to be allowed to witness during the performance of production and control activities, upon their request.
13. RINA may suspend or withdraw the admission to the Alternative Inspection Scheme in the case of modifications to requirements or conditions for initial admission.

Intermediate scheduled and unscheduled audits

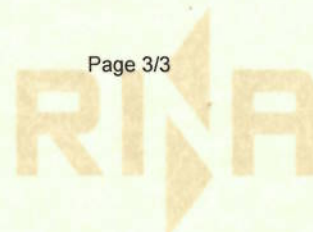
Due date	Carried out on	Surveyor's signature	Surveyor's stamp
10/12/2021			

Issued at: Helsinki (FIN)

On: 10/12/2018

RINA Alexander Yakovishin
RINA Services S.p.A.

RINA



**ANNEX No.1 to Statement on Admission to Alternative Inspection Scheme
No. 2018/XF/812**

Motor type	M3BP	M3LP	M3AA
Description	Std, Cast Iron frame	Liquid cooled motors	Std, Aluminium frame
Frame size	71-450	280-500	90-280
Rated Power (kW)	0,09-1100	55-2000	0,37-99
Rated Voltage (V)	220-690	220-1000**	220-690
Rated Frequency (Hz)	50-60*	50-60*	50-60*
Number of poles	2-12 and multipole	2-12 and multipole	2-12 and multipole
IP Protection	IP55, IP56, IP65, IP66	IP55, IP56, IP65, IP66	IP55, IP56, IP65, IP66

Motor type	M3JP / KP Flameproof	M3GP Increased safety
Description	Motors for Hazardous Area, Ex d / Ex de	Motors for Hazardous Area, Ex ec / Ex tc
Frame size	80-450	71-450
Rated Power (kW)	0,18-1050	0,12-1100
Rated Voltage (V)	220-690	220-690
Rated Frequency (Hz)	50-60*	50-60*
Number of poles	2-12 and multipole	2-12 and multipole
IP Protection	IP55, IP56, IP65, IP66	IP55, IP56, IP65, IP66
Safety Characteristic	Ex d / Ex de / Ex t	Ex ec / Ex tc

Motors for VSD

* applications have variable frequency.

** Motor design voltage is above 1000V.

Helsinki 10/12/2018


RINA Alexander Yakovishin
 RINA Services S.p.A.

