

Recognition Certificate



No.: **GL-APC 20319-11 HH**

Test Module II according to GL-Guideline VI-6-2

This is to certify that

**ABB AB
LV Motors**

located at

**Örjansgränd 31
721 70 Västerås, SWEDEN**

has been recognized by GL to be involved in testing, inspection and certification of its products according to GL-Rule VI-6-2 "Guidelines for the Inspection of mechanical and electrotechnical Products".

Scope of recognition
(summary)

**Induction motors
for marine applications/environments**

The following GL-Rules for classification and construction are applicable:

- I-I-3, section 20 "Electrical Installations" especially table 20.1**
- VI-6-2 "Guidelines for the Inspection of Mechanical and Electrotechnical Products"**
- VI-7-6 "Test Requirements for Electrical Machinery"**

This certificate is supplemental to Framework Agreement no. **RV-MC-TE-11-0035**

Further applicable documents:


- **Audit report AR-MC-TE-11-0035/2011-10-05 - List of nominated persons no. LOP APC-MC-TE-11-0035**
- **Quality assurance manual and quality assurance procedures**
- **Test instruction (GL) 3GZV 100 004-26 / ATMM/AT 96-39**


This recognition is valid until **2014-10-05**

File no. **XXVI.G.01**

Germanischer Lloyd

Hamburg, 2011-11-30


Thomas Minks


Martin Zeller

Certificate no. **GL-APC 20319-11 HH**

Scope of recognition **This manufacturer recognition is valid for the final inspection of induction motors with valid GL-type approval certificate intended for vessels with GL classification.**

Only induction motors that are produced at the manufacturer's premises stated on page 1 shall be inspected and certified by the manufacturer by application of this recognition.

**1. Type: M2AA 160 ... up to M2AA 250 ... (Aluminium frame)
M2BA 160 ... up to M2BA 250 ... (Cast iron frame)**

Sizes: MLA, MLB, MLC, MLD, MLE, SMA, SMB, SMC

Power: S1 7,5 - 63 kW

2. Type: M3BP 160 ... up to M3BP 250 ... (Cast iron frame)

Size: MLA, MLB, MLC, MLD, MLE, SMA, SMB, SMC, SMD

Power: S1 4 - 99 kW

3. Type: M3AA 160 ... up to M3AA 280 ... (Aluminium frame)

Size: MLA, MLB, MLC, MLD, MLE, SMA, SMB, SMC, SMD

Power: S1 4 - 99 kW

Scope of tests and inspections **Tests and final inspection according to the GL rules for classification and construction I-1-3 section 20.**

Testing and certification shall be performed only by the persons nominated in document no. LOP APC-MC-TE-11-0035.

Scope of certification **The manufacturer issues GL test certificates which obtain validity after endorsement and registration by GL.**

The manufacturer shall maintain, perform and comply with the approval conditions for his recognition for the entire period of the validity of this recognition certificate.

Applicable approvals **89800-94 HH
97940-96 HH
99121-96 HH**

Test certificate template **T196AE_ABB_SE-VST**



Certificate no. **GL-APC 20319-11 HH**

Annual follow-up audit

Date:

Date:

Stamp and signature

Stamp and signature

