



TYPE APPROVAL CERTIFICATE

형식 승인증서

Certificate No. : SWE04937-EL001 **Date of Approval** : 18th September, 2001.
Product : Electric Motors
Manufacturer : ABB AB, LV Motors
SE-721 70 Vasteras, Sweden

Product Description : Type : M3AA 112 ~ M3AA 280
M2AA 112 ~ M2AA 250
Voltage(V) : 200 ~ 690
Frequency : 50 / 60 Hz
Insulation : F
Speed : Single, Two
No. of poles : 2, 4, 6, 8, 2/4, 4/6, 4/8
Rated power : S1 (Up to 99kW),
S2-30 min (Up to 137kW)
S6-25% (Up to 143kW)
S6-40% (Up to 143kW)
S6-60% (Up to 120kW)

Approval Condition : 1. This approval is granted on the basis of the approval test report performed in the presence of the surveyor on 16th April, 2002.
2. Product Certification is required.

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 and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 1, Sec. 2 of the Rules for Classification, Steel Ships.

This Certificate is valid until 17th September, 2011.
Issued at Daejeon, Korea on 7th August, 2007.



한국선급
KOREAN REGISTER OF SHIPPING

Park Moon-kyu

Park Moon-kyu)
General Manager of
Materials and Equipment Team

Note : 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or is not under attendance for completion of the renewal survey.
2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.