

# TYPE APPROVAL CERTIFICATE

## 형식승인증서

**Certificate No.** : SHI18324-EL001      **Initial Approval** : 10th May, 2005.

**Product** : Electric Motor

**Manufacturer** : ABB Shanghai Motors Co., Ltd.  
 Tian Ning Rd. 88, Min Hang Economic & Technical Development Zone,  
 Shanghai, China

**Product Description** : 3-phase cast iron induction motor (Type : M2QA)

- Frame Size : 80 up to 355
- Rated Voltage : AC 380 V, 50 Hz, 0.37 kW up to 315 kW  
 AC 440 V, 60 Hz, 0.43 kW up to 362.5 kW
- Speed : 750 ~ 3600 rpm (poles : 2 up to 8)
- Duty type : S1
- Reports : WY01-541, -547, WY02-006, -260, -327, -282, -333, -736,  
 WY03-115, -124, -136, -143, -148, -157'8, -161, -274 & WY2000-52  
 of CEMOS. OAD127-206/02-1 of ABB, A01-088-WT, -060-WT, A02-011-WT  
 of SIPAI, 9902502~3 OF National Coal.
- Drawings : 8AD.200.551, 8AD.200.552

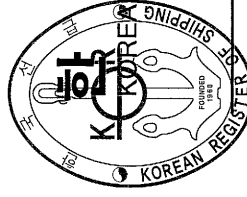
**Approval Condition** : Individual Product Certification is required.

**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, Art. 109 of the Rules for Classification, Steel Ships.

This Certificate is valid until 9th May, 2015.

Issued at Daejeon, Korea on 10th June, 2010.



국선급  
 KOREAN REGISTER OF SHIPPING

*(Signature)*  
 Lee Woon-ho

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 the renewal of the Certificate is not underway.*

*2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.*