



TYPE APPROVAL CERTIFICATE

형식 승인증서

Certificate No. : HEL04300-EL010 **Date of Approval** : 1st October, 2002.

Product : Electric Motors

Manufacturer : ABB Oy, Motors
Strombergin Puistotie 5 A, 65100 Vaasa Finland

Product Description : Kind : Squirrel Cage Low Voltage Induction Motors

Type : M3BP/ M3GP/ M3HP/ M3KP/ M3JP

" See Appendix 1 "

Approval Condition : " See Appendix 1 "

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. 9 of the Rules for Classification, Steel Ships, IEC 60072-1/ 60034-5~7/ 60034-9/ 60034-14 and EN 50014/50018~9/50021/50281-1-1.

This Certificate is valid until 30th September, 2012.

Issued at Daejeon, Korea on 23rd August, 2007.

한국선급
KOREAN REGISTER OF SHIPPING



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.

Appendix 1

Product Description and/or Approval Condition

Certificate No : HEL04300-EL010

Date of Approval : 1st October, 2002.

1. Product Descriptions :

- Type : M3BP/ M3GP/ M3HP/ M3KP/ M3JP
- Motor Generation : M3000
- Frame Size : 160 ~ 315
- Rated Voltage : AC 220 V up to 690 V
- Rated Power : S1 2.2 kW up to 335 kW
- Rated Frequency : 50 Hz, 60 Hz
- Duty type : S1, S2, S9 acc. to IEC Standard
- Number of Poles : 2 ~ 12
- Stands for : M3BP (TEFC, Cast iron stator housing)
M3GP (EEx nA II T1 to T3, DIP, Cast iron housing)
M3HP (EEx e II T2 to T3, Cast iron housing)
M3JP (EEx d II B/II C T1 to T6, Cast iron stator housing)
M3KP (EEx de II B/II C T1 to T6, Cast iron stator housing)

2. Approval Conditions :

1) This approval is granted on the basis of the approved drawings, and test reports listed below.

- Test Reports :

LCIE 00 ATEX 6023/6027~30/6032, LCIE 01 ATEX 6015/6021~24/6078~9,
LCIE 02 ATEX 6028/6071~6072 LCIE Ex 00.016 by LCIE

- Drawings :

3GZF183016-609, 3GZF183018-311, 3GZF183020-16, 3GZF183022-14~5,
3GZF183025-13~14, 3GZF183028-1~4, 3GZF183031-1~5/7~10/12,
3GZF500716-40~3/65~8, 3GZF500720-36~42, 3GZF500728-27/29~30/32/37~8,
3GZF500731-17/24~5

2) Product Certification is required.

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