



# Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **4080501 HH**

Company **ABB Oy  
Motors  
Strömbergin Puistotie 5 A  
65320 Vaasa, FINLAND**

Product Description **Induction motors  
cast iron motors, Ex-protected**

Type **M3JP 160 up to M3JP 400, EEx d  
M3KP 160 up to M3KP 400, EEx de**

Environmental Category **H**

Technical Data /  
Range of Application **Rated voltage : 220 V up to 690 V  
Rated power : S1 4 kW up to 780 kW  
Synchronous speed : 500 1/min up to 3600 1/min  
Rated frequency : 50 Hz, 60 Hz  
Ambient temperature : 45° C  
Duty type : S1, S2 .... S9 acc. to IEC standard  
Insulation class : F  
Degree of protection : IP 55  
Degree of Ex-protec.: M3JP: EEx d  
M3KP: EEx de  
No. of poles : 2, 4, 6, 8, 10, 12, multiple poles  
Spec. model : For marine applications / environments**

Test Standard **EN 60034-1, Sept. 2000  
GL Regulations for the Performance of Type Tests, part 4, edition 1999**

Documents **Drawings, descriptions and technical data  
Catalogues: BA/Marine GB 08-2001 / BU/Ex-motors GB00-12 and GB03-2004  
Test reports KTXC7 dated 17.09.2001 / 18.09.2001 and 19.09.2002**

Remarks **Conditions of the certificates issued by LCIE must be observed**

Valid until **2012-09-30**

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Type Approval Symbol



File No. **I.G.03**

**Hamburg, 2012-06-07**

**Germanischer Lloyd**

Wolfgang Voß

Heinz-Dieter Hespe

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".



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Certificates of Conformity issued by Laboratoire Central des Industries Electriques LCIE:

Type of motor	LCIE - Certificate - No.	
M3JP 160 ... / M3KP 160 ...	LCIE 00 ATEX 6023	EEx d/de IIB/IIC T1 to T 6
M3JP 180 ... / M3KP 180 ...	LCIE 00 ATEX 6028	EEx d/de IIB/IIC T1 to T 6
M3JP 200 ... / M3KP 200 ...	LCIE 00 ATEX 6027	EEx d/de IIB/IIC T1 to T 6
M3JP 225 ... / M3KP 225 ...	LCIE 00 ATEX 6029	EEx d/de IIB/IIC T1 to T 6
M3JP 250 ... / M3KP 250 ...	LCIE 00 ATEX 6030	EEx d/de IIB/IIC T1 to T 6
M3JP 280 ... / M3KP 280 ...	LCIE 01 ATEX 6078	EEx d/de IIB/IIC T1 to T 6
M3JP 315 ... / M3KP 315 ...	LCIE 01 ATEX 6079	EEx d/de IIB/IIC T1 to T 6
M3JP 355 ... / M3KP 355 ...	LCIE 03 ATEX 6060	EEx d/de IIB/IIC T1 to T 6
M3JP 400 ... / M3KP 400 ...	LCIE 04 ATEX 6087	EEx d/de IIB/IIC T1 to T 6

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