



Germanischer Lloyd

Type Approval Certificate

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. **40 805 - 01 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 **2011-11-14**

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Type Approval Symbol



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

Hamburg, 2007-07-19

Wolfgang Voß

Heinz-Dieter Hesse

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This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, 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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