



TYPE APPROVAL CERTIFICATE
No. ELE010212XG/002

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	THREE-PHASE INDUCTION MOTORS
<i>Type</i>	M3BP 160 - M3BP 250
<i>Applicant</i>	ABB AB - LV MOTORS ORJANSGRAND 31 SE-72170 VASTERÅS SWEDEN
<i>Manufacturer</i>	ABB AB - LV MOTORS
<i>Place of manufacture</i>	ORJANSGRAND 31 SE-72170 VASTERÅS SWEDEN
<i>Reference standards</i>	IEC 60034-1; RINA Rules Part C, Chapter 2, Section 4.

Issued in **HAMBURG** on **January 27, 2012**. This Certificate is valid until **January 26, 2017**

RINA
Daniele Chirulli

This certificate consists of this page and 1 enclosure



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M3BP 160 - M3BP 250

Product description: **Three-phase cast iron cage induction motors
Type M3BP 160 ... up to M3BP 250 ...**

Technical data:

Sizes: MLA, MLB, MLC, MLD, MLE, SMA, SMB, SMC, SMD
Number of poles: 2; 4; 6; 8 for single speed motors
2/4; 4/6; 4/8 for two speed motors & two speed motors for fan
Rated voltage: 220 V up to 690 V
Rated frequency: 50 Hz; 60 Hz
Duty type: S1, S2-30 min; S6-25%; S6-40%; S6-60%
Rated power: S1 4 kW up to 99 kW
S2-30 min up to 137 kW
S6-25% up to 143 kW
S6-40% up to 143 kW
S6-60% up to 120 kW
Degree of protection: IP 55
Ambient temperature: 50° C
Insulation class: F (155° C)

Documents:

- Bureau Veritas Certification for ISO 9001; Cert no.: 11000428; 11000429; 11000427
- LV Process performance motors EN 05-2011 / ABB Motors and Generators

Test Reports:

- ABB Test Reports, Folder M3BP_G_gener_New_IEC.zip

HAMBURG January 27, 2012



A handwritten signature in blue ink, appearing to read 'M. Chelli'.