



NIPPON KAIJI KYOKAI

Certificate

Certificate No. :1084

OF APPROVAL FOR BATCH AND MASS PRODUCED ELECTRICAL EQUIPMENT

THIS IS TO CERTIFY that

ARTICLE: Three Phase Squirrel Cage Induction Motor

TYPE: M3AA

Manufacturer: ABB Automation Technology Products AB,
Motors & Machines, LV Motors, Sweden

has been accepted by NIPPON KAIJI KYOKAI with the

Approval number of: **02 B 567 E**

for inclusion in the Society's Approval List of Batch and Mass Produced Electrical Equipment.

The approval is conditional upon the equipment being produced in accordance with the relevant requirements of the Society's Rules and the manufacturer's standards in force at their works covering production methods, testing and inspection, quality control and workmanship.

Issued at Tokyo on the 17th day of April, 2002.



T. Okayama
General Manager
Machinery Department

Note: Particulars are as per attached sheet.

Attached sheet to Cert. No.1084

Particulars of Motors

Type:	M3AA
Protective enclosure:	Totally-enclosed type
Voltage:	200V up to 690V
Frequency:	50 & 60Hz
Class of insulation:	F
Nos. of poles:	2-8P, 2/4P, 4/6P, 4/8P
Rated power:	Duty S1 : 0.4kW up to 99kW
	Duty S2 - 30min. : Up to 137kW
	Duty S6 - 25% : Up to 143kW
	Duty S6 - 40% : Up to 143kW
	Duty S6 - 60% : Up to 120kW
Frame No.:	112M, 112MB, 132SA, 132SB, 132SC, 132S, 132M, 132MA 132MB, 132MC, 160MA, 160M, 160L, 160LB, 180M, 180LB, 180L, 200MLA, 200MLB, 200MLC, 200MLD, 225SMA, 225SMB, 225SMC, 225SMD, 250SMA, 250SMB, 250SMC, 280SMA, 280SMB

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