



# Certificate of Compliance

**Certificate:** 1236155 **Master Contract:** 212423 (212423)  
**Project:** 70078447 **Date Issued:** 2016-10-13  
**Issued to:** Elektro Motoren Werk Brienz  
Mattenweg 1  
Brienz, 3855  
SWITZERLAND  
Attention: Markus Thoeni

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



Issued by: Dennis Schulz  
*Dennis Schulz*

## **PRODUCTS**

CLASS - C421101 - MOTORS AND GENERATORS  
CLASS - C421181 - MOTORS AND GENERATORS-Certified to US Standards

### Part A

Squirrel-Cage Induction Motors, Types R, F, AF, BF, RF, RAF, RBF, horizontal and vertical, foot and flange mounting, Sizes 56, 63, 71, 80, 90, 100, 112, 132, 160, 180, 200, 225, 250 and 280 Class F or H, max 600 V, 3 ph, 50/60 Hz, max output 105 kW.

### Part B

Squirrel-Cage Induction Motors, Type AK, horizontal and vertical, foot and flange mounting. Housing is octagonal shaped and provided with water cooling., Sizes 71, 80, 90, 100, 112, 132, 160, 180, 200, 225, Class F or H, max 600 V, 3 ph, 50/60 Hz, max output 80 kW.

### Part C

Squirrel-Cage Induction Motors, Type G, horizontal and vertical, foot and flange mounting. Housing round shaped and provided with water cooling., Sizes 80, 90, 100, 112, 132, 160, 180, 200, 225, 250, Class F or H, max 600 V, 3 ph, 50/60 Hz, max output 80 kW.



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**APPLICABLE REQUIREMENTS**

- CSA C22.2 No. 100 - 14 - Motors and Generators
- UL1004-1 2nd Edition - Rotating Electrical Machines – General Requirements

**MARKINGS**

The following information appears on a CSA Accepted metal nameplate:

- Submitter's name or CSA Master Contract Number 212423 (near the CSA or CSA c/us Monogram)
- Type designation
- Production date or date code traceable to the month and year of manufacture
- Electrical ratings in volts and amperes
- Speed in rpm
- Isolation Class F or H
- Voltage and torque of the brake
- The marking TEFC
- CSA or CSA c/us Monogram
- Max. water pressure 2,5 bar only on types AK and G.
- Water flow in l/min as mentioned at table below.

Type	Flow l/min	Type	Flow l/min	Type	Flow l/min
G 71	1,6	G 112	4,5	G 200	15
G 80	2,1	G 132	6,6	G 225	19
G 90	2,7	G 160	9,6	G 250	23
G 100	3,5	G 180	12		

Type	Flow l/min	Type	Flow l/min	Type	Flow l/min	Type	Flow l/min
AK 71	2,1	AK 100	4,5	AK 160	12	AK 225	23
AK 80	2,7	AK 112	6,6	AK 180	15		
AK 90	3,5	AK 132	9,6	AK 200	19		

The complete Type Designation for Part A consists of the following information:

Mounting method: R, F, AF, BF, RF, RAF, RBF, AK or G followed by

- Motor size in mm, followed by
- Motor length indication: S, M or L, followed by
- Number of poles: 2, 4, 6, 8, 10, 12, 4/2, 6/4 or 8/4 followed by
- Any code for internal use.

The grounding terminal is marked with the proper symbol.

Each motor or motor batch is provided with information for proper connection, installation, maintenance etc.