

IBExU Institut für Sicherheitstechnik GmbH

An-Institut der TU Bergakademie Freiberg

Continuation Sheet 71

to the EC-TYPE EXAMINATION CERTIFICATE IBExU99ATEX1137 (Translation)

Three-phase Asynchronous Motor with Squirrel-Cage Rotor type IE2-K11R 315 S4

Rated values and technical data

On the basis of the test report IB-11-3-179 of 22 September 2011 the following specifications result:

The details are valid under the prerequisite that the Three-phase Motors of this type differ only insignificantly from the tested sample concerning the electrical and thermal design.

Nominal power:		100		kW
Nominal voltage:	220	400	690	V
Nominal current:	330	181	105	A
Power factor:		0.85		
Nominal frequency:		50		Hz
Nominal speed:		1482		min ⁻¹
Operation mode:		S1		
Ratio I_A/I_N :		6.1		
Thermal class:		F		
Cooling medium temperature:		40		°C

Besides the voltages mentioned above also intermediary values are permissible.

The related currents have to be converted in the reciprocal relation of the voltages.

In comparison with the rated values the mains voltage may fluctuate up to $\pm 5\%$ and the mains frequency up to $\pm 2\%$ appropriate to range A according to IEC 60034-1.

Temperature control

For the current-dependent delayed protective device the following t_E -times are valid:

Temperature class:	T1	T2
Time t_E :	18 s	18 s

Safety instruction

The service temperature on the branching point is 81 °C. This has to be noticed at the selection of the cable.

This Continuation Sheet is only valid in combination with the EC-Type Examination Certificate IBExU99ATEX1137.

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Fuchsmühlenweg 7 - 09599 Freiberg, GERMANY

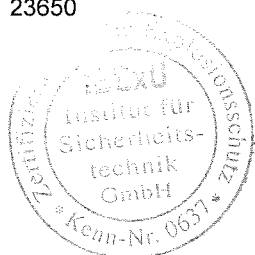
☎ +49 (0) 3731 3805-0 - 📠 +49 (0) 3731 23650

Authorised for certifications
-Explosion protection-

By order



(Dr. H. Wagner)



Seal
(ID no. 0637)

Freiberg, 22 September 2011

Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

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