

# IBExU Institut für Sicherheitstechnik GmbH

An-Institut der TU Bergakademie Freiberg

## Continuation Sheet 72

to the EC-TYPE EXAMINATION CERTIFICATE IBExU99ATEX1142  
(Translation)

Three-phase Asynchronous Motor with Squirrel-Cage Rotor type IE2-K11R 132 SX2 G

### Rated values and technical data

On the basis of the test report IB-12-3-089 of 08 October 2012 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:		5.5		kW
Nominal voltage:	220	500	690	V
Nominal current:	18.6	8.2	5.9	A
Power factor:		0.90		
Nominal frequency:		50		Hz
Nominal speed:		2932		min <sup>-1</sup>
Operation mode:		S1		
Ratio $I_A/I_N$ :		7.6		
Thermal class:		F		
Cooling medium temperature:		55		°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  $\pm 10\%$  appropriate to range B and the mains frequency may fluctuate up to  $\pm 2\%$  appropriate to range A acc. to IEC 60034-1.

### Temperature control

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

Temperature class:	T1	T2	T3
Time $t_E$ :	25 s	25 s	10 s

This Continuation Sheet is only valid in combination with the EC-Type Examination Certificate IBExU99ATEX1142.

IBExU Institut für Sicherheitstechnik GmbH  
Fuchsmühlenweg 7 - 09599 Freiberg, GERMANY  
☎ +49 (0) 3731 3805-0 - ☎ +49 (0) 3731 23650

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-Explosion protection-

By order



(Dr. Wagner)



Seal  
(ID no. 0637)

Freiberg, 08 October 2012

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