

IBExU Institut für Sicherheitstechnik GmbH

An-Institut der TU Bergakademie Freiberg

Continuation Sheet 69

to the EC-TYPE EXAMINATION CERTIFICATE IBExU99ATEX1105 (Translation)

Three-phase Asynchronous Motor with Squirrel-Cage Rotor type IE2-K11R 160 M2

Rated values and technical data

On the basis of the test report IB-11-3-091 of 22 June 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:		7.5		kW
Nominal voltage:	220	373	690	V
Nominal current:	23.5	14	7.6	A
Power factor:		0.92		
Nominal frequency:		50		Hz
Nominal speed:		2949		min ⁻¹
Operation mode:		S1		
Ratio I_A/I_N :		7.4		
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 type of protection increased safety "e"

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

Temperature class:	T1	T2	T3
Time t_E :	40 s	40 s	21 s

Marking for type of protection protection by enclosure "tD"

The maximum surface temperature is **T 120 °C**.

This Continuation Sheet is only valid in combination with the EC-Type Examination Certificate IBExU99ATEX1105.

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Authorised for certifications
-Explosion protection-

By order

(Dipl.-Ing. Willamowski)



Freiberg, 22 June 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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